Self Study Report (SSR)
for National Assessment and Accreditation Council (NAAC) Accreditation

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

Cheeryal (V), Keesara (M), R. R. Dt. Telangana - 501301, India
Mobile: 9391199932
Landline: 040-31001617/18
Fax: 040-24220320
E-mail: info@gcet.edu.in
Web: : http://www.geethanjaliinstitutions.com/

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

June 2015

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

Cheeryal (V), Keesara (M), RR Dt. Telangana – 501 301

Dr. Udaya Kumar Susarla., Ph.D
Principal

Declaration by the Head of the Institution

I certify that the data included in the Self-Study Report (SSR) is true to the best of my knowledge.

The Self-Study Report (SSR) is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in the SSR during the peer team visit.

Place: Hyderabad
Date: 25th June, 2015

Dr. Udaya Kumar Susarla
PRINCIPAL

Part – I

- Preface
- Executive summary
- SWOC
- Profile of the Institution

CONTENTS

S. No.	DESCRIPTION			Page No.
1	**Preface**			6
2	**List of Acronyms used**			7
3	**Executive Summary**			8
4	**Strengths – Weaknesses – Opportunities – Challenges (SWOC) Analysis of the institution**			10
5	**Profile of the Institution**			19
6	**Criterian-wise Inputs**			29
	a	**Criterion I: Curricular Aspects**		30
		1.1	Curriculum Planning and Implementation	31
		1.2	Academic Flexibility	38
		1.3	Curriculum Enrichment	52
		1.4	Feedback System	58
	b	**Criterion II: Teaching – Learning and Evaluation**		60
		2.1	Student Enrolment and Profile	61
		2.2	Catering to student Diversity	74
		2.3	Teaching -Learning Process	80
		2.4	Teacher Quality	88
		2.5	Evaluation Process and Reforms	93
		2.6	Student Performance and Learning Outcomes	99
	c	**Criterion III: Research, Consultancy and Extension**		108
		3.1	Promotion of Research	109
		3.2	Resource Mobilization for Research	121
		3.3	Research Facilities	124
		3.4	Research Publications and Awards	127
		3.5	Consultancy	141
		3.6	Extension Activities and Institutional Social Responsibility (ISR)	143
		3.7	Collaboration	149
	d	**Criterion IV: Infrastructure and Learning Resources**		157
		4.1	Physical Facilities	158
		4.2	Library as a Learning Resource	163
		4.3	IT Infrastructure	168
		4.4	Maintenance of Campus Facilities	171

	e	**Criterion V: Student Support and Progression**		173
		5.1	Student Mentoring and Support	174
		5.2	Student Progression	210
		5.3	Student Participation and Activities	212
	f	**Criterion VI: Governance, Leadership and Management**		230
		6.1	Institutional Vision and Leadership	231
		6.2	Strategy Development and Deployment	245
		6.3	Faculty Empowerment Strategies	263
		6.4	Financial Management and Resource Mobilization	266
		6.5	Internal Quality Assurance System (IQAS)	273
	g	**Criterion VII: Innovations and Best Practices**		280
		7.1	Environment Consciousness	281
		7.2	Innovations	284
		7.3	Best Practices	295
7	**Evaluative Report of the Departments**			308
	a	Computer Science & Engineering (CSE)		309
	b	Electronics & Communication Engineering (ECE)		338
	c	Electrical and Electronics Engineering (EEE)		376
	d	Mechanical Engineering (ME)		399
	e	Information Technology (IT)		415
	f	Civil Engineering (CE)		429
	g	Master of Business Administration (MBA)		435
8	**Annexure**			448
	a	UGC 2(f) & 12(B) Recognition Letter		450
	b	AICTE First Approval Letter		451
	c	AICTE – Latest Approval letter		455
	d	JNTUH Permanent Affiliation Letter		460
	e	ISO 9001-2008 certificate		462
	f	University of Bradford, UK – The Engineering Educators Award		463
	g	SIRO Certificate		464
	h	Course End Survey – format form		467
9	Certificate of Compliance			468

1. *Preface:*

PREFACE

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005, sponsored by Teja Educational Society. Geethanjali College of Engineering and Technology is recognized by AICTE and approved by State Government. GCET is permanently affiliated to Jawaharlal Nehru Technological University-Hyderabad, Hyderabad (JNTU-H).

GCET offers B.Tech (UG) Programmes in CSE, IT, ECE, EEE, Mechanical and Civil Engineering Disciplines (Civil Engineering was started in the Academic year 2014-15). It also offers PG programmes in M.Tech (CSE), M.Tech (SE), M.Tech (CS), M.Tech (ECE), M.Tech (ES), M.Tech (VLSI-SD), M.Tech (Production Engineering), M.Tech (Power Electronics) and MBA.

Geethanjali College of Engineering and Technology is recognized under section 2 (f) & 12 (B) of the UGC Act, 1956 vide letter No. F. No. 8-485/2014 (CPP-I/C) dated 13 January 2015 by University Grants Commission, New Delhi. Presently, the college is under the category "Non-Government Self Financed" colleges providing quality education in various specializations in Engineering up to Masters degree to make it eligible to receive central assistance.

GCET was established with a vision to disseminate knowledge and skills to students, who eventually contribute to well being of the people of the nation and global community. GCET inculcates the spirit of high ambitions, healthy attitudes, discipline and multi-dimensional excellence in the students and strive to mould them to scale new heights. The value-based technical education provided by the Institute in a congenial environment expands the horizons of the students.

The college was established with an initial intake of 240 students in three (4) Disciplines namely ECE, CSE, EEE and IT. Currently the student intake is 1008 with six UG programs and nine PG programs.

GCET is pleased to submit Self Study Report (SSR) of the Institution for accreditation. GCET presents itself for quality inspection to give a silver lining to the courses offered and is a curtain raiser for students' through accreditation. This will enable us to serve the stake holders better in future.

The SSR has been prepared as per the norms of National Assessment and Accreditation Council (NAAC).

Dr. Udaya kumar Susarla
Principal
Geethanjali College of Engineering and Technology
Cheeryal (V), Keesara (M), RR Dt. TS-501301

2. List of Acronyms used:

ACEE : Association of Computer Electronics and Electrical Engineers
AICTE : All India Council for Technical Education
AP : Assistant Professor
ASSOP : Associate Professor
B.Tech. : Bachelor of Technology
CACG : College Academic and Career Guidance
CACHE : Centre for Advancement of Career and Human Excellence
CSE : Computer Science and Engineering
CSI : Computer Society of India
DHE : Department of Higher Education
DST. : Department of Science and Technology
DW : Disabled Welfare
ECE : Electronics and Communication Engineering
EDC : Entrepreneur Development Cell
EEE : Electrical and Electronics Engineering
EWS : Economically Weaker Sections
F : Female
GATE / CAT : Graduate Aptitude Test in Engineering / Common Admission Test
GCET : Geethanjali College of Engineering and Technology
GPF : General Provident Fund
HODs : Heads of Departments
ICT : Information and Communication Technology
IEEE : Institute of Electrical and Electronics Engineers
IETE: The Institution of Electronics and Telecommunication Engineers
ISR : Institutional Social Responsibility
ISTE : Indian Society for Technical Education
IT : Information Technology
JNTU-H : Jawaharlal Nehru Technological University-Hyderabad
LIDAR : Light Detection and Ranging
MBA : Master of Business Administration
M : Male
Mech : Mechanical Engineering
MW : Muslim Welfare
MM : Muslim Minority
NAAC: National Assessment and Accreditation Council
NEN : National Entrepreneur Network
NSS : National Service Scheme
OBC : Other Backward Communities
OHP : Overhead Projector
OPAC: Online Public Access Catalog
P I : Part I
P II : Part II
P III : Part III
PG : Post Graduate
SC : Scheduled Castes
SIRO : Scientific and Industrial Research Organization
SSR : Self Study Report
ST : Scheduled Tribe
SWOC : Strengths, Weaknesses, Opportunities and Challenges.
TEQIP : Technical Education Quality Improvement Programme
TIME : Triumphant Institute of Management Education Pvt. Ltd.
UG : Under Graduate
UGC: University Grants Commission

3. Executive Summary

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005 and is permanently affiliated to Jawaharlal Nehru Technological University-Hyderabad (JNTU-H), Hyderabad. The Vision and Mission of the college are directed to create knowledge and to open the minds of the students to the knowledge that empowers them to utilize their quality educational opportunities to the best possible extent.

The prime objective of Geethanjali College of Engineering and Technology is to update and modernize the quality of professional education. Its aim is to employ innovative teaching methods which carry an emphasis on fast changing technological trends. This is to integrate classroom learning with actual work experience in the industry concerned or in a related professional field. The college aims to encourage students from the first year B.Tech itself, to identify suitable work areas and to execute projects of their own choice and interest. The teaching-learning process is carried-out through the use of Over Head Projectors (OHP) and LCD projectors. GCET's excellent facilities include an extensive computer centre, library, advanced lab for communication skills, internet centre and spacious seminar halls and Electronic classrooms.

GCET provides full-fledged and state of art infrastructure. It is a wholly self-contained campus with exemplary learning facilities to the satisfaction of the students. The college is housed in a total building space of 21,477 Sq. Meters, away from the hustle and bustle of the city.

GCET has adequate well qualified faculty from academia and industry. It has well established recruitment procedures and rules to draw the human resources. The college is strengthened with the approval of AICTE, permanent affiliation of JNTU (H), and approved under 2(f) and 12(B) by UGC. GCET has been consistently achieving its objectives through its dedicated teams like Governing Body, Academic Council, Deans of academics, R & D and Administration, HODs, and faculty.

The R&D center is chaired by Sri D. Ramakrishna Rao, Dean-R&D, and Dr. M Satyanarayana, Director, R&D. These senior faculty possess vast experience in Scientific and Research organizations and have good rapport with various funding agencies. One project, LIDAR was sanctioned by DST for Rs. 34.5 Lakhs and got executed during the Academic years 2010-14. Another project **""Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"** got sanctioned for Rs. 24 Lakhs by DST in May 2015. The college is also providing consultancy services on "**Design and Development of Lidar system for image processing and optimization"** to Ms/ Ananth Technologies Ltd. for Rs. 38.8 Lakhs. Many other project proposals are in pipeline and one of these projects is in the advanced stage of getting approval by the authorities concerned. Besides, GCET applied for funds from AICTE and received the same for organizing various workshops / programs.

In addition to the above mentioned achievements, the ultramodern information centre and the state of art Library are the quintessential features of the college. The institute has a spacious

central library in an independent building with an area of 950 Sq. Mtrs in two floors. It has a collection of 28,206 volumes of books and 4,997 titles. It has subscribed to major technical journals including E-Journals (IEEE), DELNET and print journals. The Digital library established with 24 systems enables students and faculty to access e-journals, e-books and facilitates e-learning. The multimedia center in the library provides opportunities to store, organize and disseminate the information at different places in different ways. Both printing and photocopying services are made available for the convenience of students and faculty. Thus, the library and Information centre, is one of the best among the Engineering college libraries in the state.

CACHE, the Career advancement section gives a silver lining to students' aspirations and is a curtain raiser for students' career development. We are committed towards providing students with all the skills that help them build strong career. As part of this, special coaching from M/s TIME is imparted to students from the 2nd year onwards with aptitude and soft skills development.

Management Committee of GCET, being a fine blend of educationists and entrepreneurs maintains superior relations with corporate houses and other prestigious institutions. Our placement team works round the year to ensure successful and respectable placements and internships with esteemed organizations like Tech-Mahindra, Cognizant, TCS, Virtusa, Accenture, Mphasis etc.

Geethanjali College of Engineering and Technology is tied with various Professional bodies namely IEEE Students' Branch, IETE students' forum and ISTE students' Chapter for imparting quality education through various co-curricular activities such as Guest lectures, Seminars and workshops on different subjects by Professionals and Experts. These activities facilitate students with exposure and awareness to learn and understand advanced research arenas. Apart from these, some extracurricular activities are also organized. The main perspective of IEEE students' branch at GCET is to create consciousness among the students regarding various facilities and student development programs provided by IEEE. Industry-Institute Interaction is encouraged to facilitate exposure to students to perform better in all their future endeavors. Once a year, ISTE Chapter of GCET conducts various events such as expert lectures, workshops, seminars, Industrial visits, etc. to assist faculty and students for updating their technical knowledge.

GCET provides other infrastructure facilities such as cafeteria, computer centre, Transport and ATM. The college has an amphitheatre which is aesthetically and pleasingly designed. The five Air conditioned seminar halls have seating capacity of 250,250,100,100 and 50. GCET offers excellent transport facility to faculty, staff and students. They can comfortably commute from nook and corners of the twin cities. The canteen in the college is maintained with good hygiene. The canteen addresses the needs of the students, staff and faculty to the maximum extent. It provides good and tasty food at affordable prices.

The central computer center with 30 systems supports the learning needs of students, staff and faculty and is an important domain in the library. These systems have 12 Mbps internet connectivity. With this high speed internet facility, the exploratory abilities and needs of the students are enhanced and fulfilled to a large extent. The Central Computer centre is open from 9.30 AM to 6.00 PM on all working days. The overall ratio of the computers to students is more than the recommended number, thus allowing the students, staff and faculty to get

connected with the knowledgeable world.

To summarize, GCET stands tall and elevated with all the above mentioned ultra modern facilities. The college leaves no stone unturned to provide technical education of exceptional quality. The college also develops entrepreneurial abilities among students. They are also trained to enhance their employability skills. The primary aim of the institution is to provide quality education to students with all the required skills to successfully compete for entry level positions in Industry / R&D organizations or pursue graduate studies and be a lifelong learner with the aim of serving the community. Both faculty and students are equally encouraged to update their knowledge and skills to meet the concept of creating engineers for economic and industrial growth of the country.

4. SWOC ANALYSIS

Introduction

The external environment has a profound impact on educational institutions. During the last few decades, significant changes took place in almost every aspect of life including the economy, social structures and even in individual preferences. Existing educational programs and those planned for the future irrespective of the type of college, should be based on a careful consideration of future trends in society. Strategies must be developed to ensure that institutions will be responsible to the needs of the people at present and beyond. This requires among other things an examination of not only the individual college environment but also the external environment. The Strengths, Weaknesses, Opportunities, and Challenges (SWOC) analysis provides a framework for educational administrators to focus better on serving the needs of their Institutions.

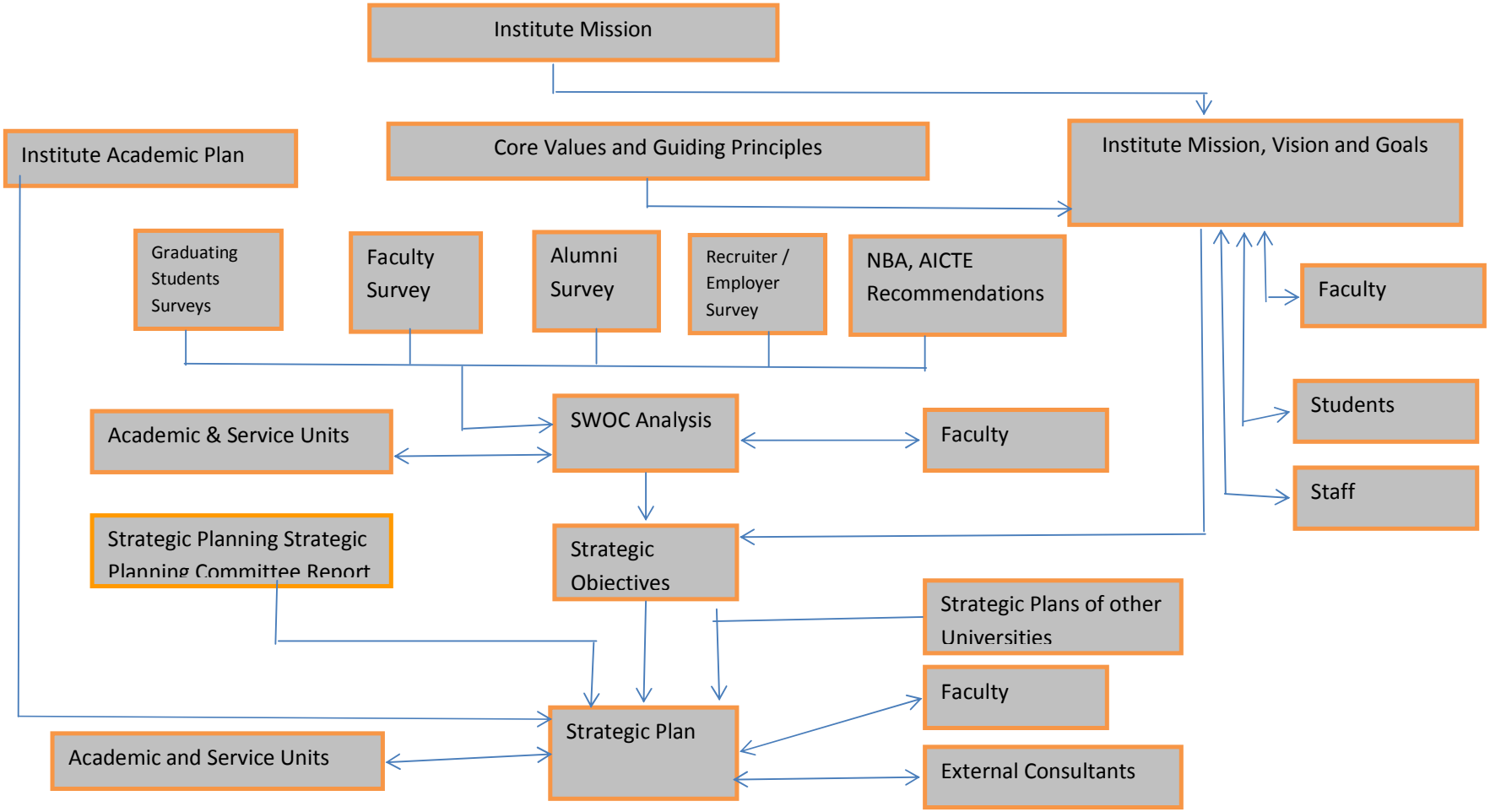
Geethanjali College of Engineering and Technology has recently carried out a series of surveys (e.g., employers, graduating senior students, alumni, members of professional bodies, parents and faculty members) to obtain feedback on some key issues related to its engineering programs, facilities, and policies. These survey results, along with available external evaluations and observations regarding developments of different dimensions of the institution (academics and administration), are used to develop a detailed SWOC analysis for the whole college, students, faculty, and facilities.

Currently, an operational plan for the college is being developed to identify clearly defined strategic objectives and strategies to achieve those objectives. The plan includes specific actions, a timeline for relevant activities, those responsible to implement them, required resources, as well as success metrics to determine and quantify the level of achievement. The purpose of this exercise is to analyze the current status and develop a practical action plan to improve engineering education by fully utilizing the strengths and opportunities.

PROCEDURE ADOPTED

During the year 2013-2014 the governing body of the institute appointed a committee with a mandate of preparing a strategic plan for the institute which will guide the authorities concerned and heads of the departments and deans for the next five years. The main purpose of this analysis was to complement the clearly defined objectives, and to come with the matching strategic plans. A brainstorming session involving every employee of the organization resulted in formulating the objectives, scope, purpose and procedure to carry out

the SWOC analysis. A few structured questionnaires were prepared to conduct the survey. The experienced faculty conducted a detailed survey and gathered different opinions from parents of present batches of students, alumni and recruiters. While carrying out SWOC analysis, a balanced approach was adopted. The assessment of strengths and weaknesses was also through focus groups, anecdotal evidences provided by individual faculty and administrators. Therefore, considerable effort was put in to reconfirm the identified strengths and weaknesses. The surveys conducted through different channels were thoroughly analyzed and the opinions were compiled and the summary of the same is presented below:


Institute Mission
Institute Academic Plan
Core Values and Guiding Principles
Institute Mission, Vision and Goals
Graduating Students Surveys
Faculty Survey
Alumni Survey
Recruiter / Employer Survey
NBA, AICTE Recommendations
Faculty
Students
Staff
Academic & Service Units
SWOC Analysis
Faculty
Strategic Planning Strategic Planning Committee Report
Strategic Objectives
Strategic Plans of other Universities
Faculty
Strategic Plan
Academic and Service Units
External Consultants

Strengths

Most Prominent

1. Permanent Affiliation - provides opportunities to its stakeholders and establishes itself and excels as the provider of quality engineering education through acquired UGC 2 (f) and 12 (b) status and thereby attaining autonomous status for the college.

2. **Qualified and Experienced Faculty**
   - Strong work ethics
   - Commitment to quality
   - Positive outlook
   - Perseverance in face of adversity

3. **Management's Motto**
   - provide service to the people
   - outreach to the public

4. **Infrastructure**
   a. State of the art computing facilities (Hardware and Software)
   b. High-speed campus network with wi-fi facility
   c. State–of-the-art labs across disciplines
   d. E-learning facilities in the classrooms
   e. Excellent transport facilities (for faculty, staff and students)
   f. Good sports facilities

5. **Excellent HR Policies** with motivational initiatives for faculty, staff and students

Moderately Prominent

6. **Quality of Teaching Learning Process**
   - Fairly Good quality of students
   - Student centered learning
   - Imparting skills to enhance employability
   - Creative and innovative teaching pedagogy by senior and middle level faculty
   - Student clubs - Fine Arts club, Robotics club, Environmental club, NEN, Technical Associations, etc.

7. **Growing Research Culture Among Faculty**
   - Well motivated middle level faculty pursuing research
   - In the last three years, five faculty have been awarded PhD.
   - Four faculty members submitted thesis and three are waiting for defense
   - More than 150 research papers published by faculty in national and international refereed journals and conferences in various departments
   - About 30 faculty members are pursuing research actively

8. **Recognition as Scientific and Industrial Research Organization (SIRO)**

   The college has been recognized as " **Scientific and Industrial Research Organization (SIRO)"** by Directorate of Scientific and Industrial Research (DSIR), New Delhi, in March 2011 for three years. The status of the same has been extended by Three more years till March 2017.

9. **Good Industry Linkage and MoUs, Tie-ups with Foreign University Prominent Industries**
   - Tech Mahindra
   - Dark Horse Consulting
   - Zenopsys
   - Data 64 solutions
   - University of Illinois at Spring Field, Chicago

10. **Fairly Good Campus Placements**
    - 250+ placements - batch graduated in 2014
    - 280+ placements - batch graduated in 2015

11. **Accreditation**
    - Three B.Tech Programs, namely, CSE, ECE and IT eligible for Accreditation were accredited by National Board of Accreditation (NBA) in September 2012. Applied for Re-Accreditation of two programs namely, B. Tech in CSE and ECE, and also for Accreditation of B. Tech in EEE in July 2014

Weaknesses

Most Prominent

1. **Less Motivation among Younger Faculty -** Due to abundant opportunities available in the industry and with the result, low percentage of youngsters embracing teaching profession.
   Reasons
   - Higher Monetary benefits
   - Diversity in job profiles
   - Awareness towards foreign education

   Operational Plan in Vogue

   Mentor (Senior Faculty Member) – Mentee (Junior Faculty Members) System providing rich exposure of teaching pedagogy. The junior faculty members are also encouraged to take up research work under the close supervision of senior faculty. This practice has proved to be a driving force for the junior faculty members and there is a gain in the momentum. Few PhDs and quality publications have resulted out of this rich exercise.

2. **Lack of on campus Residential Accommodation –** faculty, staff and students prefer to stay in city (personal and professional reasons)

3. **Operational Plan in Vogue**
   - Hired accommodation in close vicinity for those interested
   - Excellent transportation facilities at staggered timings as per requirements
   - Resulted in quality student activities and faculty research output

4. **Less Industry Institute Interaction –** Reason - far away from the city

5. **Less Number of PhDs – A general Phenomena – Reasons are:**
   - Less number of students opting for higher education due to abundant opportunities with higher monetary benefits in industry
   - Mushrooming Growth in Engineering Colleges – PhDs are scattered

6. **Inadequate Maintenance and Repair Works – Resulting in under Utilization of Available Quality Facilities Operational Plan in Vogue**
   - Allocation of more funds on priority
   - Follow up

7. **Disbursal of Information by Administration – Reasons are:**
   - Less clarity in roles and responsibilities at middle and lower level
   - Less coordination at different levels
   - Under utilization of technology – not taking advantage of full IT potential resulting in wasteful resources

Opportunities

1. **Grant of Autonomy**
   An opportunity to initiate new programs such as

   - PG (M. Tech)
   - PG Diplomas
   - Skill Based Certificate Courses - Enhancing Employability and Enhancing Skills for Personnel of Industry

   Revision of UG Curriculum – Introduction of New Subjects

   - **Aptitude Skills**
     - English Language Skills
     - Logical Reasoning
     - Quantitative Aptitude
     - Soft Skills
   - **Foreign Language**
   - **Banking and Non Banking Finance courses**
   - **Professional Ethics, Human Values and IPR**

2. **Flow of Research Funds –** Recognition as SIRO by DSIR facilitates funding for research activity resulting in faculty motivation, growth and retention

3. **Engineering and IT hub - Scope for future growth due to the close proximity to**
   - The largest campus of the second biggest IT company of India (Infosys) - under construction
   - Raheja Mindspace **–** IT Park (Already available)

4. **Establishment of Faculty Development Center**
   - Mushrooming growth in Engineering Colleges
   - Great demand for qualified and passionate faculty members
   - Availability of Senior and Passionate faculty members at GCET acting as Mentors
   - Already Providing Training to Various Other Engineering Colleges on Accreditation aspects through Osmania University Nodal Center, under which our college is NBA Training Center
   - Strong Platform to Share Rich Expertise and Best Practices of Teaching Pedagogy

Challenges

Most Prominent

- Mushrooming growth of Engineering Colleges
- Impact of Globalization
- Entry of Foreign Universities

Moderately Prominent

- Government Restrictions on Fee Structure

Less Prominent

- Lack of Awareness of Emerging Technologies

Identification and Analysis of Strengths:

One of the greatest strengths of the college is its UG programs. Three of the UG programs of the college are accredited by NBA, New Delhi. This is one among the reputed colleges affiliated to JNTUH, Hyderabad. The college is able to achieve excellent and consistent Pass Percentage every year. Some students secured good ranks at the University.

The college has well equipped laboratories, library with e-journals and Central Computer centre. OHPs / LCD projectors placed in the class rooms provide necessary support for better and interactive environment to students. They facilitate the students with a deeper understanding and thus provide necessary support for better learning opportunities with academic progress. The UG and PG programs are handled by qualified, experienced and highly motivated faculty. As a result, the college has been able to support new PG programs in the related fields using existing infrastructure and human resources. The necessary additional resources are also considered and meted out.

Placement ratio of the students is highly encouraging. Good number of students are placed in companies namely Cognizant, Tech-Mahindra, TCS, Syntel, Polaris, L&T Infotech, EXL Infotel etc. The current structure can be used as a base to further strengthen placements not only in the above mentioned companies but also in many more reputed and well established organizations.

All faculty positions are filled as per AICTE standards and norms. It is a strong indicator of the popularity and positive atmosphere of the college among the affiliated colleges of JNTUH. Further, a good retention ratio among faculty shows job satisfaction. There is a cordial teacher-student relationship in the college strengthening the learning outcome.

The college initiates affirmative action to improve academic standards of the weak students by conducting reinforcement (remedial) classes. It has in place a strong system for counseling. The college has also incorporated many novel ideas to beef up the confidence of academically sound students. The college not only identifies but also provides special incentives to them such as scholarships, contribution to membership fee for the professional bodies, facility of issuing additional books from the library, etc.

Assessment of Weaknesses and vanquishing them:

One of the major inadequacies brought out by SWOC analysis is the shortage of faculty members with Ph.D resulting in decline of adequate research output and guidance to younger faculty members. To create a research atmosphere, the college shall have an R&D cell in each department and the cell would invite mentors to guide faculty members and provide incentives for research.

The college must interact with other Institutes and industry. Industrial interaction has to be further improved. To enhance the existing industrial interaction, the college plans to conduct frequent industrial trainings and industrial visits with dual advantages to benefit students, faculty and to provide and promote joint research opportunities. The college also has plans to organize one industrial exhibition every year at its premises to highlight its efforts in developing research facilities and expertise available. The college shall invite professionals from the industry as visiting faculty. Training for technical and support staff in their relevant areas and will also be included in the training schedule and persons concerned will be deputed to undergo training.

Though the college has substantial library books, journals and learning resources with internet facilities, these are not harnessed to their potential due to non flexibility in class room teaching. We realize that a better learning ambience has to be created. This is impossible with the existing university presented curriculum and the college should become autonomous for flexibility in curriculum.

External Opportunities which can be seized by the college:

The college plans to encourage faculty members to enroll for Ph.D. programmes to upgrade their qualification and in turn become supervisors to junior faculty members to guide them towards Ph. D in the long term. Thus, a self sustaining system of research and skill up-gradation will ultimately emerge.

GCET already has 8 PG programs in engineering discipline with an intake of 18 to 30 students in each program. Most of the seats are filled. This is a clear indication of the high profile of the college and the growing interest of students in PG programs in Engineering. New PG programs will be identified based on the industrial policy of the State through brainstorming sessions with faculty and staff.

The college has an advantage of being established in a fully developed state with many industries and Universities. GCET has to acquire and maintain positive relationship with industries and universities for promoting various R & D, consultancy projects and continuing education.

Assessment of Challenges:

There is a Challenge posed by Engineering Colleges and Foreign / Deemed Universities mushrooming in the state. The quality of engineering education is diluted with the proliferation of engineering colleges and deemed universities. This has resulted in the scarcity of quality students and faculty.

Opportunities to faculty to upgrade themselves, incentives for good research work by the faculty, strong placement for students and support by management in all academic endeavors will go a long way in mitigating the threats. Following standardized procedures in the recruitment of

faculty and effective teaching methods for Outcome Based Education (OBE) of the Teaching Learning Process (TLP) will certainly make the college a sought after institute by students and recruiters in the near future.

5. Profile of the Affiliated / Constituent College

1. Name and address of the college:

Name:	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	
Address:	Cheeryal (V), Keesara (M), Ranga Reddy Dt.	
City: Hyderabad	Pin: 501301	State: Telangana
Website:	http://www.geethanjaliinstitutions.com/	

2. For communication:

Office:

Name	Tel. No with Area/ STD code	Mobile No	Fax No.	E-mail
Chairman: Sri G R Ravinder Reddy	9391199932	9866395845	040-24220320	greddy1962@yahoo.co.in
Principal: Dr. Udaya Kumar Susarla	040-31001617 / 18	9866308257	--do--	uksusarla@gmail.com

3. Status of the of Institution :

Affiliated college	√
Constituent college	--
Any other (specify)	--

4. Type of Institution:

a. By Gender

i. For Men	--
ii. For Women	--
iii. **Co-education**	√

b. By shift

i. **Regular**	√
ii. Day	--
iii. Evening	--

5. Is it a recognized minority institution?

Yes	--
No.	√

6. Source of funding:

Government	--
Grant-in-aid	--
Self-financing	√
Any other	--

7. a. Date of establishment of the college: **30/06/2005**

b. University to which the college is affiliated /or which governs the college

Jawaharlal Nehru Technological University, Hyderabad

c. Details of UGC recognition:

Under	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
2 (f)	13-01-2015	----
12 (B)	13-01-2015	----

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department/ Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE	First Approval	30-06-2005	One year	AICTE approve the Institutions Annually
	Latest Approval	03-06-2014	One year	
NBA	CSE, IT, ECE,	2 years w.e.f. 28-08-2012	2 years	Applied for re-accreditation for CSE & ECE. Fresh accreditation for EEE.

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes [--] No [√]

If yes, has the college applied for availing the autonomous status?

Yes [NA] No [NA]

9. Is the college recognized

a. by UGC as a college with Potential for Excellence (CPE)?

Yes [--] No [√]

b. for its performance by any other governmental agency? Yes No

Accreditation/once from National Board of Accreditation (NBA), New Delhi [√] [ ]

10. Location of the campus and area in sq.mts:

Location	Rural
Campus area in Sq. Mts.	40,469
Built up area in Sq. Mts.	21,477

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities [√]
- Sports facilities
  - * Play Ground Yes [√]

* Swimming pool No [--]

* Gymnasium Yes [√]

- Hostel
  * Boys' hostel : No
    i. Number of hostels : --
    ii. Number of inmates : --
    iii. Facilities (mention available facilities) : --
  * Girls' hostel: No
    i. Number of hostels : --
    ii. Number of inmates : --
    iii. Facilities (mention available facilities) :--
  * Working women's hostel : No
    i. Number of inmates
    ii. Facilities (mention available facilities)

- Residential facilities for Teaching and Non-Teaching staff

  There is no residential facility for staff and non teaching staff.

- Cafeteria – Yes [√]

- Health centre – Yes [√]

- Facilities Available:

Qualified Doctor : 1 (on call basis)
Qualified nursing staff : 1 (full time)
Medical facility within the Institute/College: **Dispensary**

A Dispensary with required medical facilities and equipment to cater to the general medical needs of the students, staff and faculty is available on the campus. A full time Nurse is available in the dispensary. Arrangement for emergency medical care can be obtained at any of the following Hospitals located within 5 to 10 KMs radius.

- Vijaya Hospital : 5 Kms from the college
- Xenia Hospital : 10 Kms from the college
- Tulasi Hospital : 10 Kms
- Polumi Hospital: - 10 Kms

The college Ambulance can be arranged to reach any of the mentioned hospital within 10-20 minutes.

Availability of first-aid unit: 24
No. of ambulances in the college: 1
Amenities in ambulance: First aid box, Stretcher, oxygen cylinder, and other Emergency Equipment

Response-time in calling ambulance services from outside: 10 minutes

Bank/ATM : YES

Facilities like banking, post office, book shops:

12. Details of programmes offered by the college

S. No.	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ Approved Student Strength	No. of Students Admitted
Under Graduate Programs						
1	B.Tech (CSE)	4	10+2	English	240	238
2	B.Tech (ECE)	4	10+2	English	240	237
3	B.Tech (IT)	4	10+2	English	0	0
4	B.Tech (EEE)	4	10+2	English	60	41
5	B.Tech (ME)	4	10+2	English	120	96
6	B.Tech. (CIVIL)	4	10+2	English	120	85
Post Graduate Programs						
1	M.Tech. (CSE)	2	B.Tech./ M.S	English	30	24
2	M.Tech. (CS)	2	B.Tech	English	18	10
3	M. Tech. (MD)	2	B.Tech	English	18	9
4	M. Tech. (ES)	2	B.Tech	English	30	27
5	M. Tech. (VLSI)	2	B.Tech	English	18	15
6	M. Tech. (PE)	2	B.Tech	English	18	14
7	M.Tech (ECE)	2	B.Tech	English	18	14
8	M.Tech (SE)	2	B.Tech	English	18	6
9	MBA	2	Any	English	60	53

12. Does the college offer self-financed programmes?

Yes [√] No [--]

If yes, how many?

B.Tech, M.Tech and MBA [All]

13. New programmes introduced in the college during the last five years if any?

Yes	√	No	--	Number	10

S. No	Under Graduate/ Post Graduate	Course	Year of Introduced
1	M. Tech	Power systems	2014
2	B. Tech	Civil Engineering	2014
3	M. Tech	Computer Science	2013
4	M. Tech	Machine Design	2013
5	M. Tech	VLSI SD	2012
6	M. Tech	Software Engineering	2012
7	M.Tech	Computer Science and Engineering	2011
8	B.Tech	Mechanical Engineering	2011
9	M.Tech	Embedded Systems	2010
10	M.Tech	Electronics and communication Engineering	2010

14. List the departments and UG / PG programmes:

Particulars	UG	PG	Research
Science / Engineering	06	07	NIL
Arts	NIL	NIL	NIL
Commerce	NIL	NIL	NIL
Any Other not covered above	NIL	NIL	NIL

The Programmes offered are:

1. Computer Science and Engineering (CSE)
2. Information Technology (IT)
3. Electronics and Communication Engineering (ECE)
4. Electrical and Electronics Engineering (EEE)
5. Mechanical Engineering (ME)
6. Civil Engineering (CE)
7. Computer Science and Engineering (PG)
8. Computer Science (PG)
9. Embedded Systems (PG)
10. Machine Design (PG)
11. VLSI System Design (PG)
12. Power Systems (PG)
13. Master of Business Administration (PG)

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com…) * for B.Tech, 1st year is Annual system and from 2nd year onwards, it is semester system.

a. annual system	--
b. semester system	13
c. trimester system	--

17. Number of Programmes with

a. Choice Based Credit System	--
b. Inter/Multidisciplinary Approach	--
c. Any other (specify and provide details)	--

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes -- No √

19. Does the college offer UG or PG programme in Physical Education?

Yes -- No √

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Technical staff		Non-teaching staff	
	Professor		Associate Professo		Assistant Professo					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited	--	--	--	--	--	--	--	--	--	--
Yet to recruit	--	--	--	--	--	--	--	--	--	--
Sanctioned by the Management / society or other authorized bodies	24		48		144		32		34	
Recruited	26	5	30	20	80	78	26	08	16	18
Yet to recruit	--	--	--	--	--	--	--	--	--	--

***M - Male *F – Female**

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	16	04	02	02	--	--	24
M.Phil.	--	--	-	-	-	-	-
PG	10	01	28	18	80	78	215
Temporary Teachers							
UG	--	--	--	--			
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
Part-time Teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

22. Number of Visiting Faculty /Guest Faculty engaged with the college. 0

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2014-15		2013-14		2012-13		2011-12	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	33	19	47	12	44	25	32	24
ST	14	4	12	02	16	04	14	04
OBC	185	96	175	84	179	93	111	75
General	174	151	177	129	129	112	128	102
Others	11	3	Nil	Nil	Nil	Nil	Nil	Nil

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	695	186	NA	NA	881
Students from other states of India	02	02	--	--	04
NRI students	--	--	--	--	--
Foreign students	--	--	--	--	--
Total	697	188	--	--	885

25. Dropout rate in UG and PG (average of the last two batches)

UG < 2% PG <1%

26. Unit Cost of Education (for the Academic year 2013-14)

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component Rs. 68,489/-

(b) excluding the salary component Rs. 33,259/-

27. Does the college offer any programme/s in distance education mode (DEP)? Yes -- No √

28. Provide Teacher-~~student ratio~~ for each of the ~~programme~~/course offered

S. No	Programme	Course	Teacher-student Ratio
1.	B. Tech	Electronics and Communication Engineering	1:12.5
		Computer Science and Engineering	1:12.94
		Information Technology	1:11.3
		Electrical and Electronics Engineering	1:15
		Mechanical Engineering	1:14.28
		Civil Engineering	1:13.3
2.	M. Tech	M. Tech. (Computer Science and Engineering)	1:11.4
		M. Tech. (Computer Science)	1:11.4
		M. Tech. (Embedded Systems)	1:11
		M. Tech. (VLSI System Design)	1:11
		M. Tech. (Machine Design)	1:12
		M.Tech (Power Systems)	1:12
3.	MBA	Master of Business Administration	1:13.33

29. Is the college applying for

Accreditation : Cycle 1 √ Cycle2 -- Cycle 3 -- Cycle 4 --

Re-Assessment: --

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

N/A

31. Number of working days during the last academic year. 240

32. Number of teaching days during the last academic year | 182 |

(Teaching days means days on which instruction has taken place excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC): The IQAC cell is established in 11.06.2012.

34. Details regarding submission of Annual Quality Assurance Reports

a. student feedback
b. Attendance register verification
c. Mentoring checks
d. Lab classes conducted
e. Stock verification
f. Course files & lab manuals

N/A

35. Any other relevant data (not covered above) the college would like to include

a. Permanently affiliated to JNTU-H, Hyderabad.
b. Three UG programs are provisionally accredited by NBA, AICTE, New Delhi. GCET is the first college to be accredited among the colleges established in and after 2005.
c. An ISO 9001-2008 certified Institute
d. Approved by AICTE, New Delhi and Government of AP.
e. More than 60% faculty are ratified by JNTU-H, Hyderabad.
f. An approved CISCO training centre
g. A recognized R&D Center as SIRO, by DSIR Govt. of India
h. Identified and recognized as Training centre for NBA under the OU Nodal Center and conducted two workshops, in this regard.
i. Plays an active role in conducting online examinations for TCS (GATE, JEE, IBPS etc.)
j. Recipient of Engineering Educators Award jointly given by University of Bradford, UK and Education Matters in February 2014.
k. Rs. 34.5 Lakhs R&D grant was received from DST for the execution of LIDAR project. The project was executed successfully.
l. Received grants from AICTE for the following programs and these programs were successfully completed.
    a. A workshop on VLSI was conducted for two weeks and the college received a grant of Rs. 5 lakhs.
    b. Rs. One lakh seminar grant was received by EEE department for conducting a three day seminar titled 'FACTS'.
    c. Rs. 6 lakhs was sanctioned for the Institute for the establishment of the "Entrepreneur Development Cell' (EDC). Rs. 4.5 lakhs was received till now as recurring and non-recurring expenditure for this activity.
m. Has an intensive National Entrepreneurship Network (NEN) program.
n. Actively takes part in NSS programs with the grants from JNTUH, Hyderabad.
o. College is sanctioned 2(f) and 12 (b) status by UGC
p. 23 faculty members with Ph.D qualification in the college
q. Tech Mahindra's Adoption of the college through its Campus Connect Program.
r. MOU with Data 64 Cyber solutions, for project based skill development of students through its incubation Center.

s. Solution provider for Zenopsys Technologies Ltd. and its incubation center.
t. Incubation center for Dark Horse IT consulting Ltd.
u. MOU with University of Illinois, Springfield, USA regarding Higher Education.

Part – II

Criterion-wise Inputs

CRITERION-I

(Curricular Aspects)

Criterion 1

Curricular Aspects:

1.1 CURRICULUM PLANNING AND IMPLEMENTATION

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stake holders.

The vision, mission and objectives of Geethanjali College of Engineering and Technology (GCET), are stated as follows:

Vision

Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to the well being of the people of the nation and global community.

- **Mission**

To impact adequate fundamental knowledge in all basic science and engineering technical and Inter - personal skills so students.

- To bring out creativity in students that would promote innovation, research and entrepreneurship.

- To Prserve and promote cultural heritage, humanistic and spiritual values promoting peace and harmony in society.

.

Objectives of the Institute

1. **To ensure excellence** in teaching, research and service to meet the needs of all our stake holders such as students, parents, employers, faculty, staff, community, and the citizens of India
2. **To equip students** with sound technical knowledge and skills.
3. **To offer educational programs** with a plethora of innovative concepts, for creating a host of talented professionals.
4. **To encourage an open student-oriented culture** with an understanding of students, their needs, goals and aspirations.
5. **To develop exceptional opportunities** for study and research and a system of industry-institution interaction, through industry-liaison cells, for students to contribute to our Nation's economic growth.
6. **To evolve a friendly face of education** with emphasis laid on engineering, technology and research.
7. **To develop Leadership** characterized by openness, fairness and firmness.
8. **To foster respect** for all people and appreciation of diversity in our academic enterprise.

9. **To promote civic responsibility** expressed as public involvement, individual responsibility, personal integrity and commitment to service.
10. **To ensure accountability and proper assessment** at all levels in the institute.

Quality Policy

We aspire to continuously improve our performance through systematic monitoring and up gradation of all aspects of Teaching-Learning Process.

Communication to the Stakeholders:

The vision, mission and objectives of the college are displayed in important locations within the premises, in the Notice boards which help in communication of the same to the students and parents who visit the college.

The vision, mission and goals of the college are also communicated to the students and other stakeholders by means of the institution's website, admission brochure, course files, lab manuals and placement brochures.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Geethanjali College of Engineering and Technology offers B.Tech, M.Tech and MBA courses approved by All India Council for Technical Education, New Delhi (AICTE). GCET is permanently affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH). The syllabus and the overall guidelines are laid down by the JNTU-Hyderabad and the same are implemented by the college. The college meticulously develops action plans for effective implementation of the curriculum. At the outset, the College Academic Committee (CAC) consisting of Principal, Deans, HODs and Professors, conducts periodical meetings to develop various strategies for effective implementation of the curriculum. Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer education apart from regular/traditional teaching methods. At the start of the Semester, Academic Calendar will be provided to all departments by the Academic Section, which identifies all major activities in that Semester / Year. Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the ensuing academic year. Keeping in view, the number of working days available, the syllabus is divided into units which are to be finished by a given deadline as per the micro-plan given by the faculty concerned in the course file, at the start of the Semester / Year. Weekly reports are collected by the Academic section and the same are verified to know whether the syllabus and other activities are conducted as per the schedule or not. If major deviations exist, corrective action is taken by

the Principal with the help of the HOD concerned facilitating extra classes. Lesson plans and course file are maintained by each faculty for their respective courses allotted, which is reviewed on a continuous basis by the HOD concerned. Course files and lab manuals are distributed to all students at the start of the Semester / year.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- ✓ Modern teaching aids are provided to teachers to effectively translate their thoughts into expression. OHPs are provided in each class room. Laptops and LCD projectors are given to the Departments, for use by the teachers. Screens are provided in each class room for OHP / LCD display.
- ✓ Digital Library resources are accessible to all teachers through their desktop systems on LAN. This consists of all important information like E-Books, video lectures, course files, old university questions papers, teaching material of the previous year /semester etc. Faculty can access this material and use for the course(s) they teach.
- ✓ Various refresher courses, seminars, conferences and faculty development programmes are conducted to enlighten the faculty community, for a creative and continuous teaching- learning environment.
- ✓ The teachers are exposed to online resources like Journals, Simulation Software and NPTEL Videos.
- ✓ Faculty are encouraged to attend various national and international seminars, conferences and FDPs and to write research papers in reputed journals with good impact factor and citation. College management reimburses part of the expenditure for the paper presentations. Incentives are provided for faculty presenting / publishing papers.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- ✓ GCET has a proactive approach; the faculty concerned of each course develop a course file well in advance that contains Schedule of Instructions, Course Description Form, Course Outcomes Tutorial Questions, and Assignments and keeps a continuous record of the syllabus coverage in the activity diary.
- ✓ Currently, the course files are being developed as per the standards of Outcome Based Education (OBE).

- ✓ The course file is also being made available online to the student community through Digital Library and GCET Portal. Also, a CD containing the course files of all the courses is distributed to the students at the start of Semester. Each course file helps the students to get Tutorial Questions, Content Schedule of Instruction, Activity Diary, Assignment Tests and University End Semester Exam Question Papers with Scheme of Evaluation, Lecture videos, and helps the students to understand the objectives and outcomes of the course.
- ✓ The college has initiated special remedial classes for slow learners / those who could not attend the classes due to various reasons like late joining by Lateral Entry students.
- ✓ Academicians working in reputed institutions, Corporate delegates and Scientists from local industry and R & D centers are also invited to fill the gap between theory and practice.
- ✓ A two hour program per week is organized, with the help of the popular trainers M/s TIME for the aptitude and soft skills development. This helps the students in their professional career development.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

Industry:

The college has set up an Industry Interaction Cell in each department and Career guidance and Placement cell (CACHE - **Centre for Advancement of Career and Human Excellence**) which maintains professional relations with the representatives of industry. HR managers of various companies are invited to the college campus to interact with students. Students of various departments of the college are taken for industrial visits from time to time to keep them abreast of the latest developments in the market. MOUs are signed with some industries which will help in conducting various activities for mutual benefit. Students are being sent to Industries for internship training, during summer.

One faculty member is identified as coordinator for the Industry related activities from each department. Also, the college receives feedback from

- Alumni who are employed, during alumni visit and alumni meet about the usefulness of the course and curriculum.
- Visiting faculty / professors / Guests who are members of Professional Bodies with corporate background are invited to deliver lectures.
- External guides who guide / help students in Projects/dissertation work in industries under joint guidance of the faculty and experts.

Research Bodies:

- College level research activities are coordinated by Dean-R&D.
- Department of Science and Industrial Research (A Government of India organization) recognized GCET as SIRO (Scientific and Industrial Research

Organization). Certificate of the same is attached at the end of this document.

- Research proposals are applied to various funding organizations like DST, AICTE, ISRO, CSIR and Research projects are getting approved. One major Project, LIDAR got approved from DST for Rs. 34.5 lakhs and was executed by ECE Department of GCET.
- Faculty who are with M.Tech qualification are encouraged to pursue Ph.D program. Currently 18 Faculty members are doing their Ph. D. One day additional leave is given to the deserving faculty for this purpose.
- Experienced persons from various Research Organizations are invited to deliver guest lecturers to the students and faculty.

University:

The faculty members of the college are regularly in touch with their counter parts at the affiliating university and get latest information regarding their own respective courses. They keep on visiting the Parent University time to time to keep themselves abreast of the latest trends in their field of study. They have also subscribed to the Journals and Magazines published by various teaching departments of the university. Further, Professors from the parent university campus are also invited to the college from time to time to give seminars and lectures to the faculty members and students.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.).

❖ As an affiliating Institute to Jawaharlal Technological University, Hyderabad (JNTU-H), the Institute has limited role in the development of curriculum.

❖ However, based on the feedback from students, teachers, parents, Alumni and Industry, the suggestions are sent to University for updating the curriculum.

❖ Institute takes up activities in addition to the University curriculum, such as

- Conducting aptitude and soft-skills classes.
- Technical Seminars / Design projects by students
- Guest lectures, workshops, Seminars, etc. to impart additional knowledge.
- Additional laboratory experiments
- Additional topics in theory courses
- Creative assignments etc.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Since the college is not an autonomous body to design its own curriculum and has to implement the curriculum given by the affiliating university, it introduces innovative

academic programmes in the curriculum to strengthen the technical knowledge of the students. A few of such initiatives are:

- Conduct of Soft skills for aptitude and career development by M/s TIME as part of the Academic program.
- Suitable contents are added in each program to bridge the gap in the curriculum and additional topics in some programs as per the need.
- Special lectures are arranged by external experts on the latest developments.

1.1.8 How does institution analyze / ensure that the stated objectives of curriculum are achieved in the course of implementation?

To analyze and ensure the objectives of the curriculum, the students are asked to fill feedback forms provided as Annexure. Apart from this, assignments, projects and tests are taken in UG and PG classes, to see how the students are coping with the courses.

The institution is able to analyze the achievement of the curriculum objectives in the course of implementation of the curriculum by the following ways:

Achievements of Objectives: Objectives and outcomes of each course are mentioned clearly along with the syllabus given to the students. We use assignments, tutorials, mid-examinations, lab exercises, etc and monitor their performance on all these on a continuous basis. Course end survey is also taken to analyze the extent to which objectives / outcomes are achieved. .Each department plans a series of activities through the respective Departmental Technical Associations, which complement the syllabus and help the students achieve the objectives of the programme.

Mode of delivery of Curriculum: Our faculty are conscious about the quality of their teaching. They use teaching aids such as charts, models –static and working, slides, animations etc. video instructional materials procured are made available to them.

The college has been able to put to use of ICT in teaching with the following objectives:

- Developing understanding and application of the concepts
- Developing power of expression
- Developing reasoning and thinking
- Development of judgment and decision making ability
- Improving comprehension, speed and vocabulary
- Developing self-concept and value clarification
- Developing proper study habits, etc.

Online interaction facility has been provided to all students and faculty. Students and faculty can exchange their ideas and views. It has helped learners to broaden

their information base. Through the use of ICT we have been able to provide variety in the presentation of content which helps learners in concentration, better understanding, and long retention of information which otherwise may not be possible. There has been a qualitative improvement of Teaching – Learning Process. Use of ICT has facilitated flexibility to learners which was denied by the traditional method. Flexibility is a must for quality learning.

Apart from chalk and board, we use ICT (Information and Communication Technology) in class rooms so that students are taken to a world beyond the syllabus. Virtual labs, interaction with global level experts etc play an important role in curriculum delivery in this institution.

Assessment pattern: Various modes of assessment are formulated by the faculty in order to ensure that the stated objectives / outcomes are achieved. The students are internally assessed by the course faculty through internal examinations conducted per semester and other assignments on their understanding of curriculum. The mentorship initiative enabled faculty to understand the comprehension levels of the students in various subjects / courses.

Examination results: The examination scores of the individual and the consolidated results are analyzed and tabulated. The same is shared with parents.

Employer feedback: Feedback about our students from the corporate representatives who have recruited our students on the basis of their competencies and curriculum understanding is collected every year.

Faculty Feedback: Head of the Department along with Head of the institution interacts with the faculty so as to assess the instructor's feedback and experiences in the curriculum implementation.

The Co-curricular activities designed and implemented expand and enhance the learning outcomes of the students through intensive interaction within the campus.

Involvement in co-curricular programmes has been proved to be a successful strategy to help students meet their learning objectives along with the institution's educational purposes and values.

Department Technical Associations have been playing a vital role in coordinating the co- curricular activities in the institution.

Continuous evaluation of the students through internal assessment and examinations always brings out the best in them. Achievements of the students in numerous events within and outside the campus, the numerous placements and offers they receive ensure that the set objectives are achieved. The feedback from the students enables faculty to improve the curriculum delivery and professional skills of students. An extra hour has also been introduced to incorporate the

Add-on and certificate courses to help them achieve the objectives.

1.2 ACADEMIC FLEXIBILITY

1.2.1 Specifying the goals and objectives give details of the certificate / diploma / skill development courses etc., offered by the institution.

In our country

- A tremendous impetus has been given to the infrastructure sector, i.e. civil infrastructure such as roads, buildings, power, water, etc.
- A large percentage of our GDP comes from the services sector.
- A major chunk of our exports is from IT industry which develops software for various sectors. In fact, 60% of the revenue from IT industry is from Banking and Non-Banking finance sectors and 80% of the technical manpower is employed in the IT industry.
- Significant revenue generation is from the exports from Biotech and Food Processing industries.
- Manufacturing Sector also contributes significant revenue generation in our country.
- India is now an automobile hub wherein major automobile industries manufacture and assemble their automobiles.

Keeping all these in view, it is the responsibility of the technical institutions to initiate courses that cater to the above sectors wherever appropriate.

We also believe that education must nurture and imbibe values and ethics with a human touch to all the students, who are going to be the partners in the future development of the country. Therefore, all our programs and courses must incorporate "values and ethics" with an eye on socio-economic situation prevailing in the country facilitating students to take up field trips and interact with people of different strata to understand their socio-economic conditions and helping them with possible solutions as and when possible.

Goals and Objectives of the Certificate / Skill Development Courses:

- Quest for excellence
- Value formation

- Global level competency, employability and Self development
- Bond between the world of work and the world of learning

Keeping in mind the growing needs at state, national and global level and considering the unprecedented need of making the environment eco friendly, the college imparts education at Graduate / Post Graduate Degree Level in most of the branches of Engineering and Technology.

Following is the List of Courses offered by the Institution for the academic year 2015 - 2016:

S. No.	COURSE(S)	AICTE Approved
B. Tech:		
1	Electronics and Communication Engineering	240
2	Computer Science and Engineering	240
3	Information Technology	0
4	Electrical and Electronics Engineering	60
5	Mechanical Engineering	120
6	Civil Engineering	120
M. Tech:		
1	Power systems	18
2	Computer Science	18
3	Machine Design	18
4	VLSI SD	18
5	Computer Science and Engineering	30
6	Embedded systems	30
Other PG Courses		
1	Master of Business Administration (MBA)	60
	TOTAL INTAKE	**972**

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

Skill development:

➢ Keeping in view of the growing importance of soft skills, the college is imparting aptitude, verbal and soft skills by external resource persons to the students' right from second year providing two periods per week in the time-table.
➢ Mentors / guides are assigned to students to carry out mini-projects which are interactive enhancing the critical / lateral thinking of the students.

Academic mobility:

- Students are taken for industrial visits.
- Students go to industries to carry out mini-project at the end of 3rd year 2nd semester during summer break.
- Students are also permitted to do their major project in 4th year 2nd Semester in industry for four days / week, for 15 weeks.
- For providing a platform for training of students in practical environment, to enrich their knowledge about industrial environment and improve the scope and chances of students for better employment, the college has signed MOUs with various Industries in and out of Hyderabad city.
- Frequent Personality development programmes are conducted to students by eminent people and Industry experts.

Elective courses option to Students:

College curriculum offers Interdepartmental electives and Professional electives for III and IV year students of UG to fulfill the interests of student community.

Range of Core /Elective options offered by the University and those opted by the college:

College offers six specializations in the areas of Engineering and Technology under UG level and nine specializations in PG level. The syllabi for these specializations are prescribed by the Jawaharlal Nehru Technological University, Hyderabad.

The courses are given below:

UG Courses (B.Tech):

1. Electronics and Communication Engineering
2. Computer Science and Engineering
3. Information Technology
4. Electrical and Electronics Engineering
5. Mechanical Engineering
6. Civil Engineering

PG Courses (M.Tech):

1. M. Tech. (Computer Science and Engineering)
2. M. Tech. (Power systems)
3. M. Tech. (VLSI System Design)
4. M. Tech. (Machine Design)
5. M. Tech. (Embedded Systems)
6. M. Tech. (Computer Science)

Other PG Courses:

1. Master of Business Administration (MBA)

Elective Options at the UG level:

B. TECH - COMPUTER SCIENCE AND ENGINEERING REGULATIONS: R13

ELECTIVES	
OPEN ELECTIVE (III YEAR - 1ST SEMESTER)	
Code	**Course**
	Human Values and Professional Ethics
	Intellectual property Rights
	Disaster management
ELECTIVE I (IV YEAR 1ST SEMESTER)	
	Software Project Management
	Image Processing and Pattern Recognition
	Mobile Computing
	Computer Graphics
	Operations Research
ELECTIVE II (IV YEAR 1ST SEMESTER)	
	Machine Learning
	Soft Computing
	Information Retrieval Systems
	Artificial Intelligence
	Computer Forensics
ELECTIVE III (IV YEAR IIND SEMESTER)	
	Web Services
	Semantic web and Social Networks
	Scripting Languages
	Multimedia and Rich Internet Applications
ELECTIVE IV (IV YEAR 2nd SEMESTER)	
	Ad-hoc and sensor Networks
	Storage Area Networks
	Database Security
	Embedded Systems

ELECTIVES	
Open Elective (III YEAR 2nd SEMESTER)	
Code	Course
	Human Values and Professional Ethics
	Intellectual Property Rights
	Disaster Management
ELECTIVE – I (IV SEMESTER 1st SEMESTER)	
	Wireless Networks and Mobile Computing
	Image Processing and Pattern Recognisation
	Soft Computing
	Semantic Web and Social Networks
	Operations Research
ELECTIVE – II (IV SEMESTER 1st SEMESTER)	
	Software Project Management
	Computer Graphics
	Human Computer Interaction
	Scripting Languages
	Computer Forensics
ELECTIVE – III (IV SEMESTER 2nd SEMESTER)	
	Web Services
	E-Commerce
	Middleware Technologies
	Ad- Hoc and Sensor Networks
ELECTIVE –IV (IV SEMESTER 2nd SEMESTER)	
	Multimedia & Rich Internet Applications
	Artificial Intelligence
	Storage Area Networks
	Machine Learning

B. TECH - ELECTRONICS AND COMMUNICATION ENGINEERING
REGULATIONS: R13

ELECTIVES	
OPEN ELECTIVE (III YEAR 2ND SEMESTER)	
Code	**Course**
	Human Values and Professional Ethics
	Disaster Management
	Intellectual Property Rights
ELECTIE I (IV YEAR 1ST SEMESTER)	
	Digital Image Processing
	Multimedia and Signal Coding
	Object Oriented Programming through Java
ELECTIE II (IV YEAR 1ST SEMESTER)	
	Television Engineering
	Optical Communications
	Embedded System Design
ELECTIE III (IV YEAR 2ND SEMESTER)	
	Satellite Communications
	Biomedical Instrumentation
	Artificial Neural Networks
ELECTIE IV (IV YEAR 2ND SEMESTER)	
	Telecom Switching Systems and Networks
	Radar Systems
	Network Security
ELECTIE V (IV YEAR 2ND SEMESTER)	
	Wireless Communications and Networks
	Digital Signal processors and Architectures
	RF Circuit Design

B. TECH - ELECTRICAL AND ELECTRONICS ENGINEERING
REGULATIONS: R13

ELECTIVES	
OPEN ELECTIVE (III YEAR 2nd SEMESTER)	
Code	**Course**
	Human Values and Professional Ethics
	Disaster Management
	Intellectual Property Rights
ELECTIVE I (IIIYEAR 1st SEMESTER)	
	High Voltage Engineering
	VLSI Design
	Digital Control Systems
	Data Structures
ELECTIVE II (IIIYEAR 2nd SEMESTER)	
	Optimization Techniques
	Electrical Distribution Systems
	Electrical Estimation and Costing
ELECTIVE III (IVYEAR 1st SEMESTER)	
	Neural Networks and Fuzzy Logic
	Renewable Energy sources
	Principles of Reliability Engineering
ELECTIVE IV (IVYEAR 2nd SEMESTER)	
	Advanced Control Systems
	EHV and AC Transmission
	Introduction to Nano-Technology

ELECTIVES	
Code	**Course**
OPEN ELECTIVE (III YEAR 1st SEMESTER)	
	Human Values and Professional Ethics
	Disaster Management
	Intellectual Property Rights
ELECTIVE I (III YEAR 2nd SEMESTER)	
	Robotics
	Mechanical Vibrations
	Mechatronics
	Composite Materials
	Industrial Management
ELECTIVE II (IV YEAR 1st SEMESTER)	
	Unconventional Machining Processes
	CNC Technology
	Automation in Manufacturing
	Design for Manufacturing
	Nanotechnology
ELECTIVE III (IVYEAR 1st SEMESTER)	
	Artificial Neural Networks
	Total Quality Management
	Maintenance and safety Engineering
	Plant Layout & Material Handling
ELECTIVE IV (IVYEAR 2nd SEMESTER)	
	Renewable Energy Sources
	Jet Propulsion and Rocket Engineering
	Computational Fluid Dynamics
	Gas Dynamics

ELECTIVES	
Code	**Course**
OPEN ELECTIVE (III YEAR 1st SEMESTER)	
	Human Values and Professional Ethics
	Disaster Management
	Intellectual Property Rights
ELECTIVE I (III YEAR 2nd SEMESTER)	
	Elements of Earthquake Engineering
	Ground Improvement Techniques
	Ground Water Hydrology
	Environmental Impact Assessment
	Principles of Entrepreneurship
ELECTIVE II (IVYEAR 1st SEMESTER)	
	Finite Element Methods
	Advanced Foundation Engineering
	Watershed Management
	Air Pollution and Control
ELECTIVE III (IVYEAR 1st SEMESTER)	
	Advanced Structural Design
	Earth and Rock Fill Dams and Slope Stability
	Water Resource Analysis
	Industrial Waste Water Treatment
ELECTIVE IV (IVYEAR 2nd SEMESTER)	
	Rehabilitation and Retrofitting of Structures
	Geo-Environmental Engineering
	Design and Drawing of Irrigation Structures
	Solid Waste Management

Elective Options at the PG level:

M. TECH - COMPUTER SCIENCE AND ENGINEERING
REGULATIONS: R13

ELECTIVES			
ELECTIVE – I (SEMESTER 1)		ELECTIVE – II (SEMESTER 1)	
Code	Course	Code	Course
	Software Process and Project		Machine Learning
	Natural Language Processing		Parallel and Distributed Algorithms
	Pattern Recognition		Software Architecture and Design Patterns
ELECTIVE – III (SEMESTER 2)		ELECTIVE – IV (SEMESTER 2)	
Code	Course	Code	Course
	Advanced Data Mining		Wireless Networks and Mobile Computing
	Storage Area Networks		Information Retrieval Systems
	Data Base Security		Semantic Web and Social Networks

M. TECH - COMPUTER SCIENCE
REGULATIONS: R13

ELECTIVES			
ELECTIVE – I (SEMESTER 1)		ELECTIVE – II (SEMESTER 1)	
Code	Course	Code	Course
	Distribution Systems		Machine Learning
	Natural Language Processing		Parallel and Distributed Algorithms
	Pattern Recognition		Software Architecture and Design Patterns
ELECTIVE – III (SEMESTER 2)		ELECTIVE – IV (SEMESTER 2)	
Code	Course	Code	Course
	Advanced Data Mining		Semantic Web and Social Networks
	Storage Area Networks		Cloud Computing
	Database Security		Information Retrieval Systems

M. TECH - EMBEDDED SYSTEMS
REGULATIONS: R13

ELECTIVES			
ELECTIVE – I (SEMESTER 1)		ELECTIVE – II (SEMESTER 1)	
Code	Course	Code	Course
	Advanced Computer Architecture		Digital System Design
	VLSI Technology and Design		Soft Computing Techniques
	Embedded Computing		Advanced Operating Systems
ELECTIVE – III (SEMESTER 2)		ELECTIVE – IV (SEMESTER 2)	
Code	Course	Code	Course
	Sensors and Activators		Multimedia and Signal Coding
	Wireless Communications and Networks		System On Chip Architecture
	Network Security and Cryptography		Wireless LANs and PANs

M. TECH – VLSI SYSTEM DESIGN
REGULATIONS: R13

ELECTIVES			
ELECTIVE – I (SEMESTER 1)		ELECTIVE – II (SEMESTER 1)	
Code	Course	Code	Course
	Hardware Software Co-Design		Advanced Operating Systems
	Digital System Design		Micro controllers for Embedded System Design
	Device Modeling		Advanced Computer Architecture
ELECTIVE – III (SEMESTER 2)		ELECTIVE – IV (SEMESTER 2)	
Code	Course	Code	Course
	Scripting Languages		Optimization Techniques in VLSI
	Digital Signal Processors and		System on chip Architecture
	VLSI Signal Processing		Semiconductor Memory Design

M. TECH - POWER ELECTRONICS
REGULATIONS: R13

ELECTIVES			
PROFESSIONAL ELECTIVE - I		PROFESSIONAL ELECTIVE -	
Code	Course	Code	Course
	HVDC Transmission		Micro-controllers and applications
	Operating Research		Programmable Logic controllers and their applications
	Embedded Systems		Special Machines
PROFESSIONAL ELECTIVE - III		PROFESSIONAL ELECTIVE –	
Code	Course	Code	Course
	Digital Control Systems		Dynamics of Electrical Machines
	Power Quality		High Frequency Magnetic Components
	Advanced Digital signal Processing		Renewable Energy Systems

M. TECH - MACHINE DESIGN
REGULATIONS: R13

ELECTIVES			
PROFESSIONAL ELECTIVE - I		PROFESSIONAL ELECTIVE -	
Code	Course	Code	Course
B1705	Advanced Finite Element analysis	B1708	Advanced Mechanics of Composite Machinary
B1706	Applied Triobology	B1709	Database Management System
B1707	Gear Engineering	B1710	Advanced Computer Aided Design
	Theory of Elasticity & Plasticity		Concurrent Engineering
PROFESSIONAL ELECTIVE - III		PROFESSIONAL ELECTIVE –	
Code	Course	Code	Course
B1717	Pressure Vessel Design	B1720	Signal Analysis and Condition Monitoring
B1718	Design Synthesis	B1721	Mechantronics
B1719	Non Linear Vibrations	B1722	Computational Fluid Dynamics
	Industrial Robotics		Theory of Plates and Shells

Progression to higher studies:

Aptitude skills training by M/s TIME helps students in their preparation for GRE / CAT. It also helps to a smaller extent in GATE.

Extensive Career counseling is provided to the students which gives information regarding the opportunities for the higher education.

Recommendation letters are given to the aspirant students for getting admission into various universities abroad.

A couple of US University representatives visit the college each year and they advise the students accordingly to the students' interests and abilities.

Improved potential for employability:

To improve the potential for employability, the college is arranging systematic and continuous pre-placement training programmes and frequent mock tests to the students from pre-final year onwards by expert trainees of various training agencies.

The institute arranges conduct of tests by external agencies like Cocubes and provides the platform for placements in reputed companies through these tests as some IT companies use the scores of these tests for calling candidates for interviews.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes, The College is a self-financed private Engineering college offering the following programmes for the academic year 2014 - 2015 recognized by the AICTE and affiliated with Jawaharlal Nehru Technological University, Hyderabad.

S. No.	COURSE(S)	AICTE Approved Intake
B. Tech:		
1	Electronics and Communication Engineering	240
2	Computer Science and Engineering	240
3	Information Technology	120
4	Electrical and Electronics Engineering	60
5	Mechanical Engineering	120
7	Civil Engineering	120
M. Tech:		
8	M. Tech. (Electronics and Communication Engineering)	18
9	M. Tech. (Computer Science and Engineering)	30
10	M. Tech. (Power systems)	18
11	M. Tech. (VLSI System Design)	18
12	M. Tech. (Software Engineering)	18

13	M. Tech. (Machine Design)	18
14	M. Tech. (Embedded Systems)	30
15	M. Tech. (Computer Science)	18
Other PG Courses		
16	Master of Business Administration (MBA)	60
	TOTAL INTAKE	**1128**

Policies Regarding Self-financed Courses

a. Admission

The admission policy for self-financing programmes is in tune with the norms fixed by the Government for the different categories.

Under Graduate Courses (B. Tech):

The candidates who have passed 10+2 or equivalent examination with Mathematics, Physics and Chemistry with 50% of marks are eligible for admission. The seats to be allotted in each Un-aided Non-Minority Professional Institution under these Rules for Admission of Candidates shall be classified as:

1) Category A seats
2) Category B seats

(1) The Category A seats shall be 70% of sanctioned intake of seats in each course in Un- Aided Non-Minority Professional Institution, which shall be filled with eligible candidates on the basis of Rank obtained at EAMCET / EAMCET-AC

(2) The Category B Seats shall be 30% of the total intake of seats in each course in respect of Un-Aided Non-Minority Professional Institutions, which shall be open for admission to all the eligible candidates on merit basis including candidates belonging to other States and Union Territories of India and NRIs / NRI Sponsored Candidates.

(3) Thereafter, if any seats still remain unfilled such seats may be filled on merit basis with candidates securing not less than 50% in the prescribed group courses taken together in the qualification examination through an advertisement in the news papers under spot admission category.

Post Graduate Courses (M. Tech):

70% of seats are filled by AP State Council for Higher Education through a state level Common Entrance Test PGECET. The candidates who qualify in the CET and pass the qualifying examination (B. Tech/BE/AIMIE/M. Sc/MCA etc. as per the eligibility) will be admitted through common personal counseling. The candidates having valid GATE scores will be given preference

at the time of admission. The remaining 30% seats are filled by the management under "B" Category by the candidates who have passed the qualifying examination with 50% and above marks based on the merit out of the applications received.

Post Graduate Courses (MBA):

70% of seats are filled by AP State Council for Higher Education through a state level Common Entrance Test ICET. The candidates who qualify in the CET and pass the qualifying examination (any degree for MBA and degree with Mathematics as one of the course either at UG level or at 10+2 level) will be admitted through common Web based/ personal counseling. The remaining 30% seats are filled by the management under "B" Category by the candidates who have passed the qualifying examination with 50% and above marks based on the merit out of the applications received.

b. Fee Structure

The fee structure is recommended by the Government of Telangana and charged from the students accordingly

c. Teacher Qualifications

The qualification for the faculty of the self-financed stream is as per **AICTE** norms.

d. Salary

AICTE prescribed qualification is mandatory for all faculty. They are duly ratified by the Affiliating University. Professors, Associate Professors and Assistant Professors along with non teaching and support staff draw salary as per AICTE VI Pay regulations. The Non Teaching and Supporting staffs are paid IX PRC of State Government.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

YES.

- To promote Entrepreneurship spirit among the student community, the college established Entrepreneurship Development cell (EDC) funded by AICTE. College received a grant of Rs. Rs. 4.5 lakhs both recurring and non-recurring which will be for a duration of 4 years.
- The college is also a member of National Entrepreneur Network (NEN) and through it arranges several programs for motivating students to become entrepreneurs.
- The college has a tie up with M.s TIME to provide special coaching in addition to University prescribed curriculum from 2nd year onwards.

- The college has tie up with M/s CISCO as a partner for the skill development of the GCET students for CCNA, CCNP etc.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

No, the University does not provide such flexibility.

1.3 : CURRICULAM ENRICHMENT:

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

To integrate the academic programmes and Institution's goals, the following initiatives are taken to supplement the University's curriculum:

- Course coordinator: For each course, a course coordinator is identified, even though different faculty take course for different sections. The course coordinator coordinates the course file preparation, syllabus contents, tutorial topics, additional topics in that course to be taught, mid examination paper setting, etc. for that course for all sections.
- Program coordinator: For each program, a Program coordinator is identified by the HoD of the department concerned. Program coordinator helps HoD in coordinating various activities of that program.
- Program assessment Committee (PAC) and Department Assessment committee (DAC) assess the Program and the departmental activities.
- All faculty members identify the gaps in the curriculum and include topics to bridge the gaps.
- Guest lectures, Seminars, Workshops, Training programmes and industrial visits are arranged to create awareness on the current demands of industry
- Assignments are given on all the courses in addition to arranging group discussions, written/oral tests, quizzes, role plays, etc.
- The College gives impetus on Spoken English classes to inculcate good communication skills among students.
- Educational tours are organized to develop interpersonal Relationships and to create awareness about the rich heritage and Culture of our country.
- N.S.S. is an additional facility which inculcates social responsibilities and orientation towards community service in students.
- Various academic competitions are conducted for all round development of the students and students are encouraged to participate enthusiastically in them.
- Additional Laboratory experiments have been included in lab courses apart from curriculum to enrich student's practical knowledge and skill base.

- Various short term programmes are prepared by the college to supplement the curriculum provided by the University to enhance employability.
- The Library is well stocked with books, journals, back volumes, e-books and e-journals.
- A Library hour within the class time table is provided to encourage Library usage by students.
- The Library is kept open from 9:30 AM to 6:00 PM from Monday to Saturday and from 10:00 AM to 2:00 PM on all Sundays and from 10:00 AM to 5:00 PM during vacation.
- Additional experiments were designed in labs beyond University prescribed experiments
- Students are guided to take-up mini-projects.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

- Though the college by and large adheres to the syllabus designed by JNTUH, however while delivering this content to the students, our faculty enriches it with their own expertise and experience so that the students also gain employability skills that enable them to get jobs in this highly competitive world.
- The training and placement cell of the college regularly interacts with the HR managers of companies and collects first hand information about the demands and expectations of the corporate sector regarding skill set of students. These demands of the companies are then communicated to the feedback committee which in turn formulates add on courses and extra classes which are then conducted to make up the deficiencies in the students to make them employable.
- The institution enriches and organizes the curriculum by supplementing it with extra content so that the students are benefited in the best possible manner.
- Special training and tailor made orientation programmes are conducted to enable the students to achieve the global standards. OHP and LCD Projectors have been used for effective instructional delivery.
- The students are encouraged to take up mini projects and main projects related to the real time problems. If necessary students are sent to industries or research organizations to collect the data, do the analysis and suggest probable solutions.
- Project Work, Mini Project, Seminar and Comprehensive Viva-Voce are made compulsory in the final semester of the programme so that the students would acquire skills to solve problems independently.
- Entrepreneurship Development Cell:
- A separate cell for entrepreneurship development is established in the college. This cell creates awareness of need and importance of

entrepreneur- ship as career option among the students thereby strengthening their Entrepreneurship skills.

- Curriculum is enriched by making students work on creative and Innovative projects which involve critical and lateral thinking.
- All assignments and tutorials also improve the thinking ability of the students.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Several issues of global concern are either integrated into the curriculum or addressed through add-on activities. There is a full-fledged foundation course paper on Environmental Studies, which is studied by the graduate- level students, of all branches. The issue of Human Rights is addressed to the department of Humanities and Sciences every year, then A massive human chain is made, and rallies are taken out, with students made to take oath of protection of human rights. The faculty also started an NSS program in which students carry out regular plantations, and are also informed about rain- water harvesting, environment protection etc.

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level and with the assistance from JNTU, Hyderabad, makes arrangements for workshops and conferences of national level where in the experts are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on women empowerment. The course of environment education is a part of the college curriculum. It is compulsory for all the students, irrespective of any stream, to study the paper of environment.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- GCET has tie up with M/s Globerina which is supported by JNTU-H, by which students and faculty can log in to the server and get online information like course material, PPTs, old questions papers etc.
- Digital library with 20 systems is available in the Institute – main library, containing E-Books, course files, questions papers, video lectures etc.
- Institute is having NPTEL video lectures, which can be used by students.

VCHE center

Vivekananda Center for Human excellence of RK Matt was inaugurated on 15th September at GCET by **Swamy Bhodmayanandaji**. The programme was initiated to inculcate positive thinking, Self-confidence,Moral values among

students which would help in building their positive personality and would result in holistic development of the students. The idea behind opening a nodal center is to conduct sessions on various topics including scienctific advancement, morals, motivational sessions, softskills etc. by resource persons deputed by VCHE-RK Matt at our college bi-monthly, giving exposure to various issues and transform themselves into human individuals

There are various clubs in the college which facilitates students for their holistic development like

- ROBOTICS club
- MATHEMATICS club
- ALPHAMETICA club
- VAISHESHIKA club

Moral and ethical values

- A separate course on "Moral and Ethical Values" is introduced in curriculum by the affiliating University, which is dealt by senior teachers.
- Special lectures are arranged by renowned persons to instill moral and ethical values among students.
- The importance of moral and ethical values for professional students is highlighted in the Handbook given to the students.

Employable and life skills

- Institute conducts the programs on stress management and life skills to ensure holistic development of students.
- Several programmes on employability skills are conducted right from the second year to improve the technical and soft skills of the students.
- The NSS Unit of the college involves the students in social service activities by arranging special camps in nearby villages and towns.
- The institute gives due importance to the co-curricular and extracurricular activities and organizes every year State level technical, cultural and Games and Sports festival for three days to develop interpersonal and decision making skills.
- Teachers day, Engineers day celebrations are grandly organized by staff and students to highlight the importance of teacher-student relationship and the role of engineers in nation building.
- The EDC cell of the college organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.

Better career options

- Orientation programs consisting of series of lectures are given to the students.
- Training and Placement Cell interacts continuously with employers and identifies the new areas of knowledge in demand and new career options

available and train the students to enhance their employability skills.

Community orientation

- The college NSS team regularly organizes social camps in surrounding areas and villages to create awareness among the public on various social, moral, ethical principles and ways of life.
- NSS unit of the college has adopted a school in nearby Cheeryal village and provides required help to school children to pursue their education.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- The exit feedback is taken on all aspects including curriculum and training programmes. The views of the students on curriculum are well received and the relevant suggestions are communicated to the affiliating university.
- The views of the students on training programmes arranged by the departments and training and placement cell are taken and accordingly improvements are made in these programmes wherever necessary.
- Feedback from the employers is also taken to assess the capability of our students in discharging their duties in the industry and based on the opinion of industry; new programmes are recommended in the curriculum to accommodate the requirements of the industry.
- Based on the feedback from parents given during the parents meeting, the following actions are taken;
- Common question paper for all the sections of a particular branch and year.
- Reviewing earlier question papers at the end of the semester
- Sending regular information to parents regarding their ward's marks, university examination results etc.
- Based on the feedback from the student representatives during the class students review meetings, are conducted to plan the strategie to fill the gap if they exist.
- Faculty are advised by HoD regarding their method of teaching.
- The deficiencies in the Infrastructure requirements and lab equipment are corrected.
- Class control problems are solved.
- Based on the feedback from Faculty,
- The teaching methods are improved
- The lab experiments are modified
- Actions regarding the class control are taken
- Feedback from recruiters, professional bodies and community is also collected and their suggestions are implemented.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

Monitoring

The training and placement cell conducts tests on their training programmes to assess the effectiveness of training.
Feedback is taken on all quality enrichment programmes at the end and suitable modifications are implemented wherever necessary.

Evaluation

- (1) The impact of quality enrichment programmes is assessed by analyzing the examination results, placements, the number of students persuing higher education etc.
- Feedback from stakeholders like parents, industries, University experts is also used for evaluation.
- Internal Quality Assurance Cell is established to evaluate the quality of enrichment programmes besides curriculum.
- The college has been consistently improving the quality of teaching by arranging pedagogical training to its faculty, and to further motivate them to Research and Development (R&D).
- Course end survey is conducted at the end of each semester for each course which gives information for the evaluation of the teaching by the faculty for that course.
- On each of the Extra/Co-curricular activities, feedback is taken and is analyzed and checked with item (1) above.

1.4 FEEDBACK SYSTEM:

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- ❖ As an affiliating college of JNTU-Hyderabad, the college communicates necessary modifications in the curriculum as and when required.
- ❖ Faculty members attend workshops and seminars organized by JNTU-H on revision of curriculum and offer their suggestions to enrich the curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and stake-holders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

YES.

Geethanjali College of Engineering and Technology (GCET) obtains feedback on curriculum from the stakeholders such as students, faculty, parents, Alumni and Professional Bodies. The process of the feedback system at GCET is illustrated as follows:

Students: Exit survey is conducted in the last semester of the Program. The data is collected regarding the program courses, Program objectives and whether outcomes are being met or not, and suggestions received. These suggestions are forwarded to JNTUH.

Parents: Minimum two parents meetings are conducted. The feedback from the parents is obtained and consolidated. If any specific points related to Academics are received, the same is forwarded to JNTUH.

Industry experts / Employers: Feedback on curriculum is obtained from employers. Perceptions of employers on curriculum are taken into account, which is forwarded to JNTUH. Also, gaps, if any in curriculum are identified vis-à-vis views of employers and the same is incorporated in the form of Guest lectures, Lab exercises, and additional topics as part of Class Room lectures / discussions.

Alumni: Minimum one Alumni meeting is conducted every year. The Alumni give their Feedback based on their earlier course study and the present work requirements. GCET tries to fill these gaps. Few alumni visit the college now and then and their feedback is collected and at times, interaction between students and those alumni is arranged.

1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new

courses / programmes?)

Rationality in Introducing a New Course:

- While choosing programmes, we keep in mind institutional goals and objectives, and prioritize those that would do justice to the students' fraternity.

- The rationale behind the introduction of these courses and their curriculum is based on share holders' demands and industry requirements.

The table below shows some of the important courses started by the Institution during the past four years.

New Courses Introduced in the last 4 years:

S. No	Under Graduate/ Post Graduate	Course	Year Introduced
1	M. Tech	Power systems	2014
2	B. Tech	Civil Engineering	2014
3	M. Tech	Computer Science	2013
4	M. Tech	Machine Design	2013
5	M. Tech	VLSI SD	2012
6	M. Tech	Software Engineering	2012
7	M.Tech	Computer Science and Engineering	2011
8	B.Tech	Mechanical Engineering	2011

CRITERION-II

(Teaching-Learning and Evaluation)

CRITERION II

TEACHING–LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure wide publicity and transparency in the admission process?

Publicity:

The College follows the guidelines given by the State Council of Higher Education (APSCHE), State Government in the admission process.

- The **publicity** to create awareness about the institute and its academic activities is achieved through the College Website (www.gctcportal.in) and advertises in regional / national dailies.
- The majority of seats are filled by the State Government, based on results in common entrance test EAMCET. The admission procedure for Management Quota is filled by the college management adhering strictly to the guidelines stipulated by the State Government mentioned through APSCHE notification.
- The admissions take place for 70% of seats under Convener quota by State Government as per the merit of the students in the EAMCET examination. The remaining 30% of seats under Management quota is fulfilled by the college with full adherence to the norms of the State Government.
- College advertises the admission process under Management Quota in leading State and National news papers, and websites.
- College is involved in the centralized admission process of state Government.

Transparency:

GCET abides by the guidelines and rules stipulated by the state government, which possess inherent transparency, access, equality and social justice, through its quotas for the existing reservation categories. These are achieved through various ways

- College Website (www.geethanjaliinstitutions.com)
- Admission process information is posted in the college portal(www.gctcportal.in)
- RTI cell

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

The courses offered are:

- The College offers B. Tech., M. Tech., and MBA Programs.
- Presently, the college is offering six undergraduate and 7 (seven) postgraduate programs as detailed here under:

Undergraduate Programmes:

1) CSE (Computer Science and Engineering)
2) ECE (Electronics and Communication Engineering)
3) EEE (Electrical and Electronics Engineering)
4) IT (Information Technology)
5) ME (Mechanical Engineering)
6) CE (Civil Engineering)

PG Programmes:

1. M. Tech. VLSI (Very Large Scale Integration)
2. M. Tech ES (Embedded Systems)
3. M. Tech. CSE (computer Science & Engineering)
4. M. Tech. CS (computer Science)
5. M. Tech PE (Power electronics)
6. M. Tech MD (Machine Design)
7. MBA (Master of Business Administration).

1) Bachelor of Technology (B. Tech.):

Admissions to B.Tech programmes are based on the ranks obtained in Engineering, Agriculture, and Medical Common Entrance Test (EAMCET) conducted by the State Government and is governed centrally for all engineering institutes of the state. The eligibility criteria are as per the state Government rules. The details of admission rules and procedure along with application form are available immediately after the results of EAMCET examination. As stated above, seats are available in convener quota i.e. category -A (70%) as well as NRI/ management quota category- B (30%).

- In addition to the above, 20% of the seats for lateral entry admissions for diploma holders into second year is possible based on the merit of the E-CET examination.
- If any seats still remain unfilled such seats may be filled through Spot admissions. Spot admissions are made by giving prior information through advertisements, news papers. Seats are allocated according to merit of the intermediate marks and/or ranks of the EAMCET.

- Inter college transfers: 1% of the students after completion of first year can be transferred from other colleges based on students' request. The procedure is vice versa.

2) Master of Technology (M. Tech.):

The admissions are based on relevant entrance test GATE / PGCET conducted by the Govt. of India and the State Government respectively. Eligibility conditions are prescribed by the State Government and also the process of admission which is based on merit. Convener seats 70% and the balance 30% seats are filled by the management of the college based on merit as per rules issued by the State Government from time to time.

3) Master of Business Administration (MBA).

Admissions for MBA are based on ICET entrance test conducted by the State Government through APSCHE and is governed centrally for all professional institutes of the state offering MBA course. The eligibility criteria and the admission process is prescribed by the State Government which is based on merit. Convener (MBA admissions) admits 70% of seats into MBA course and the balance 30% of seats are filled by the management of the college based on merit as per rules issued by the State Government from time to time.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Marks are the common criteria for admission. These admissions are completed strictly according to the conditions prescribed by affiliated University. There are more than 300 colleges in the state and nearly 300 colleges are affiliated to JNTUH. The institution, as compared to the other colleges within the city/district/region/state, has the record of getting its seats filled at the earliest in UG (B. Tech) programme, The same is the case with the admission in Post Graduation (M. Tech and MBA) programmes. GCET is a preferred choice by the students. The statement stands the acid test, as better rank students take admission in all disciplines. At present the EAMCET ranks are awarded, while taking Intermediate marks into consideration, in a ratio of 75:25, with weightage EMCET 75% and Intermediate 25%.

Category	CSE		ECE		EEE		MECH		CIVIL	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
2014-15										
OC	16757	58324	21372	164191	37342	104497	29486	124199	59911	173284
BC-A	50386	167032	82836	192498	---	----	59642	163481	Nil	Nil
BC-B	31643	179169	32493	140766	61647	199510	48325	132830	52346	181170
BC-C	150263	184329	172883	172883	-----	----	----	----	Nil	Nil
BC-D	55366	107287	30908	116517	54088	138489	65148	123101	42679	167464
BC-E	83321	185677	25387	193171	----	----	---	----	201216	201216
SC	120423	201500	43659	198040	186703	-----	164287	187896	18415	201888
ST	106782	191188	140830	150570	95134	152281	153406	184794	147744	188400

2013-14										
Category	CSE		ECE		IT		EEE		MECH	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
OC	23533	81523	24776	70891	78485	202209	28930	151009	31360	96718
BC-A	66752	189554	77240	177947	NIL	NIL	170413	196189	40351	190896
BC-B	43488	197432	37727	1399272	92693	206123	52936	208409	46682	139658
BC-C	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	102179	102179
BC-D	50846	208482	40422	156994	166779	201531	35008	153377	44443	139542
BC-E	NIL	NIL	75774	157052	NIL	NIL	NIL	NIL	112357	177329
SC	130601	209143	51019	217577	139163	139163	88903	206328	114331	211049
ST	164397	164397	171301	217436	138730	138730	89164	151516	68960	171066
2012-13										
OC	14094	46832	19273	53450	47690	134231	44564	72651	32113	107971
BC-A	87458	203083	28670	176570	14729	14729	157218	195069	121230	133397
BC-B	30346	93863	15217	78984	105817	192800	42416	138727	35105	65751
BC-C	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
BC-D	49426	107096	17752	85565	88586	192458	29838	143290	41167	185731
BC-E	107991	107991	121888	154131	NIL	NIL	168110	168110	118303	147099
SC	74474	207034	45769	193278	173417	185821	135524	171821	92507	177517
ST	180478	206983	79237	197033	NIL	NIL	158304	188232	126132	186433
2011-12										
OC	9728	35415	12932	35710	34062	59265	30310	32772	29061	34436
BC-A	48154	137394	32322	98005	1206016	170225	114620	169366	87984	156543
BC-B	40032	92650	14706	58904	60236	146716	31312	57915	46552	161753
BC-C	162924	192246	105573	105573	NIL	NIL	NIL	NIL	172711	172711
BC-D	38377	62009	27967	42881	67626	131780	44835	61267	49058	199292
BC-E	81560	141354	108104	121603	NIL	NIL	100034	100034	160370	164385
SC	73865	206554	57934	167574	154699	205298	92256	166439	104229	159814
ST	139289	169825	52178	142398	1822113	195626	113470	113623	128465	163017

Table: The minimum and maximum percentage of marks for admission

S.No	UG/PG	Min marks for admission in to convener seats	Min marks for admission in to B -category seats	Minimum Qualification
1	UG (B.Tech)	As per the ranks obtained in the EAMCET conducted by the State Government	45% or EAMCET Qualified	Passed 10+2 examination
2	PG (M.Tech)	As per the ranks obtained in the GATE/PGCET conducted by the Govt. of India and the State Government . respectively	50%	Passed B.E./ B.Tech./AMIE
3	PG (MBA)	As per the ranks obtained in the ICET conducted by the State Government.	50%	Passed recognized Bachelors Degree Examination of minimum three years duration

Courses-wise Lowest & Highest Ranks for PG - M. Tech & MBA Programmes

2014-15

Category	MD		CS		CSE		SE		ES		ECE		VLSI		MBA		PE	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	LR	HR
OC	2469	-	8442	11513	3690	5919	9307	10017	1010	2366	1567	6742	-		2450	48783	656	5383
BC-A	-	-	-	-	2006	-	-	-	3193	18655	13630	-	-	-	11631	88555	10385	
BC-B	3318	7197	15108	19597	3698	16557	12653	-	2400	4842	12454	22518	9689	22054	11654	58289	11103	
BC-C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BC-D	3596	-	3330	11461	3785	9641	12876	15760	1188	22571	11391	18404	2935	6354	12971	96549	2374	4716
BC-E	-		-		-	-	-	-	-	-	2275	-	-	-	89107	-	8101	
SC	-		20247	-	5391	12179	11067	-	2216	10048	5633	23480	4192	24381	36362	116849	4765	9297
ST	8630	-	20410	-	20320	-	-	-	7816	-	-		7784	10582	-		-	
GATE	-		-	-	-	-	-	-	17415	20114	-		62344		-		-	

2013-14

Category	MD		CS		CSE		SE		ES		ECE		VLSI		MBA	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
OC	2599	4071	NIL	NIL	288	5306	213	11508	1481	24523	3250	9507	636		14069	97942
BC-A	3087	4763	NIL	NIL	5522	14378	NIL	NIL	1987	14144	NIL	NIL	17697	19254	47243	
BC-B	551	5705	5305	12149	1746	11183	12721	17651	907	9984	3048	16683	6230	8533	8295	121087
BC-C	NIL		NIL	14315	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
BC-D	2389	NIL	4651	NIL	5543		8716	12722	2731	3372	10672	14361	659	15426	5673	86859
BC-E	NIL		11389		NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	97390	
SC	NIL		NIL	NIL	790	20612	14086	18662	6478	11679	16504	20684	10439	17374	112432	
ST	NIL		18221	21661	NIL	NIL	NIL	NIL	NIL	NIL	18325		6855		80225	
GATE	-		-	-	-	-	-	-	OC 24523	-	-		ST 57140		-	

2012-13(PG)

Category	CSE		SE		ES		ECE		VLSI		MBA	
	Lower Rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
OC	5703	14649	1143	9188	2196	5651	6712	13328	1264		13812	34735
BC-A	8628		16765		10347		NIL	NIL	NIL	NIL	11043	43183
BC-B	496	5934	6419	10693	5892	5904	5540		7811	9224	21780	69697
BC-C	NIL		NIL		NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
BC-D	7731	10703	13686		6741		4906	9254	5980	6780	5536	28098
BC-E	NIL		NIL		12452		NIL	NIL	NIL	NIL	NIL	NIL
SC	10494	16777	17641	58275	3381	3673	2854	12912	2028	13365	37652	116831
ST	17487		NIL		3714		NIL	NIL	NIL	NIL	NIL	
GATE	-		SC 58275		-		-	-	-	-	-	

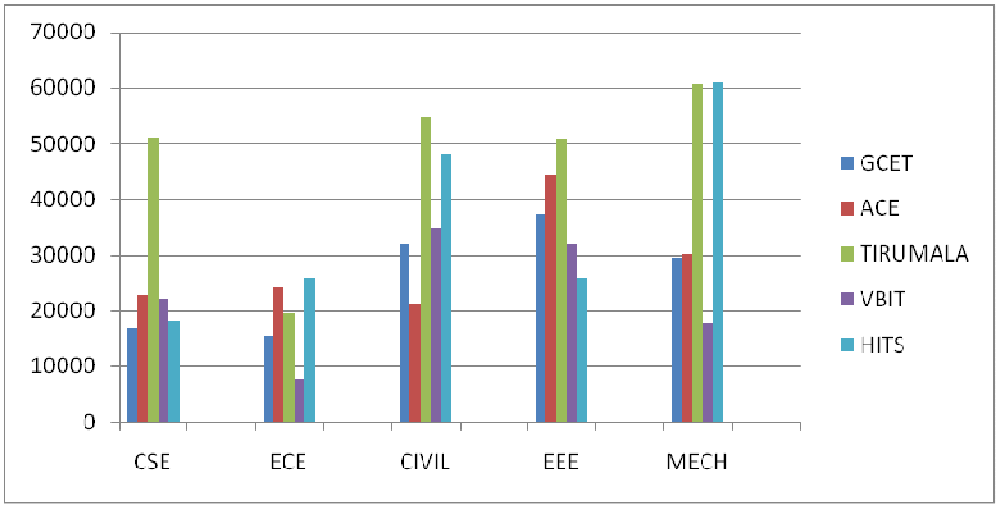
2011-12 (PG)

Category	CSE		ES		ECE		MBA	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
OC	2376	6102	32	3145	3797	4261	6397	65956
BC-A	3958		NIL	NIL	NIL	NIL	35250	68641
BC-B	2638	4495	2354	5324	1697	3543	16877	19999
BC-C	NIL	NIL	5308		NIL	NIL	NIL	NIL
BC-D	1260	7153	NIL	NIL	1127		17251	37177
BC-E	NIL	NIL	NIL	NIL	NIL	NIL	12896	73083
SC	3124	7748	195	416	6611		29449	124931
ST	5379		2286	3005	NIL	NIL	116075	
GATE			SC 33464		BC.E 24702	SC 24010		

Comparison with other colleges of the affiliating university:

Category	CSE		ECE		CIVIL		EEE		MECH	
	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank	Lower rank	Higher Rank
2014-15										
GCET	16757	201500	15336	198040	31801	201888	37342	199510	29486	191441
ACE	22797	201851	24137	201430	21315	199069	44476	199963	30052	196922
TIRUMALA	51248	199003	19438	200047	54905	188214	50705	192599	60730	200525
VBIT	21999	201640	7566	201406	34572	199410	31837	201410	17705	194696
HITS	18287	200780	25760	200495	48178	189383	25722	199207	60839	201332

Comparison chart with other colleges (for lower rank):



2.1.4 Is there a mechanism in the institution to review the admission process and Student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

YES

The process of admissions is totally under the control of the state Government. In GCET, the administrative section regularly monitors and provides information to the academic heads for proper and corrective measures, whenever necessary.

- Inspite of a uniform admission process across the state, admitted students' profiles are reviewed by the Institute every year. Institute highlights its achievements through various media to improve its profile and attract better students.
- For B-Category seats (Management quota) all aspiring students' applications are received and the recorded in a register. After the due date the seats are allotted based on ranks/marks as prescribed by APSCHE.

2.1.5 Reflecting on the strategies adopted to increase / improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate / reflect the National commitment to diversity and inclusion.

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

The number of the students admitted to the college during the last four academic years in UG is as follows:

Categories	2014		2013		2012		2011	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	33	19	47	12	44	25	32	24
ST	14	4	12	02	16	04	14	04
OBC	185	96	175	84	179	93	111	75
General	174	151	177	129	129	112	128	102
Others	11	3	Nil	Nil	Nil	Nil	Nil	Nil
TOTAL	**690**		**638**		**602**		**490**	

The number of the students admitted to the college during the last four academic years in PG as follows:

Categories	2014		2013		2012	
	Male	Female	Male	Female	Male	Female
SC	21	10	10	5	11	9
ST	7	1	5	1	1	1
OBC	48	24	73	32	43	21
General	25	37	21	18	17	19
Others	-	-	-	-	-	-
TOTAL	**173**		**165**		**122**	

- Reservation policy is in operation as per relevant orders of the State Government in this regard. There are reservations for SC/ST/BC/Physically handicapped /NCC/Children of Armed Forces Personnel and Women. Thus, the strategy is adopted to provide equity and access to the admission process as warranted by the state Government through the proviso of reservation of seats to various categories of disadvantaged communities, , differently- abled, and athletes and sports persons and women. The Government implements reservation as detailed hereunder:

a) Disadvantaged communities (SC/ST/BC):

- The admission procedure for SC/ST/OBC/EWS students is as per the reservation policy of the State Government. Fee reimbursement is provided by the state government to the SC/ST/OBC/ EWS students.
- The college has initiated and established SC/ST grievances redressal cell in July 2012. If any SC/ST student has grievances, he/she can approach the committee to solve their problems.

Table: Scholarship details of last four years

Sl. No.	Academic Year	Type of Scholarship	No. of Students	Amount in Rs.
1	2010-11	SC	131	43,73,400
2		ST	48	15,94,300
3		BC	386	1,25,59,700
4		EBC	198	63,75,700
5		MW	28	9,00,000
6		DW	1	32,700
7	2011-12	SC	148	51,76,200
8		ST	47	16,48,900
9		BC	408	1,38,10,000
10		EBC	208	69,36,800
11		MW	37	12,24,800
12		DW	1	32,700
13	2012-13	SC	177	63,00,500
14		ST	48	17,14,500
15		BC	505	1,74,76,900
16		EBC	231	79,93,700
17		MW	46	15,89,900
18		DW	1	32,700
19	2013-14	SC	194	81,50,500
20		ST	52	22,44,000
21		BC	619	2,33,03,200
22		EBC	302	1,06,51,500
23		MM	53	18,24,000

b) Reservation for Women:

Reservation for women has found inroads into the college. Women candidates are eligible up to 33% of reservation in each course. However, a meritorious woman candidate can also compete in general quota and may secure a seat on merit over and above 33% reservation. If sufficient number of women

candidates are not available in the respective categories, the vacant seats shall be diverted to the male candidates of the same category.

Women's protection cell has been established to safeguard and uphold the dignity of women in the college. The principal, one senior lady staff member and one lady faculty member from each department are members of this cell. The cell looks after the interests of girl students and lady faculty and staff members.

The no. of girl students admitted during the last four years is given below

PROGRAM	COURSE	2014-15	2013-14	2012-13	2011-12
UG	**EEE**	12	06	14	17
	ECE	116	94	76	53
	CSE	129	101	77	64
	IT	-	21	63	63
	ME	2	05	04	07
	CIVIL	11	-	-	-
PG	**ECE**	6	05	04	02
	ES	8	10	07	04
	VLSI	9	06	07	--
	CSE	14	08	08	06
	CS	2	04	--	--
	MD	1	01	--	--
	SE	1	03	07	--
	PE	3	--	--	--
	MBA	28	17	18	22

c) Differently abled:

Differently abled students are allotted seats as per the reservation policy of the state government and other educational agencies like UGC. In order to create a congenial atmosphere for them, the classes are held only in the ground floor. In addition, wheel chairs and ramps are also provided to make them feel at ease. As per the state Government's order, 3% of seats are reserved for physically handicapped (PH) students.

Economically weaker sections of the Society:

- The State Government has provided tuition fee reimbursement to economically weaker sections of the society.
- Financial support is available to all disadvantaged communities such as SC/ST/OBC based on income criteria. There is 100% tuition fee reimbursement and also living expenses for students staying in hostels maintained by Government.

d) Minority community

Reservation exists for minority community under BC-E category as per the directions of state and central governments, and the university to which the college is affiliated.

Table: Details of Minority students admitted during last four years are given below:

PROGRAM	COURSE	2014-15	2013-14	2012-13	2011-12
UG	EEE	NIL	NIL	01	01
	ECE	05	02	02	05
	CSE	06	NIL	01	03
	IT	Nil	NIL	NIL	NIL
	ME	Nil	04	02	02
	MBA	NIL	01	NIL	03
	CIVIL	01	--	-	-
PG	ECE	NIL	NIL	NIL	01
	ES	2	NIL	01	NIL
	VLSI	NIL	NIL	NIL	NA
	CSE	2	NIL	NIL	NIL
	CS	1	01	NA	NA
	SE	NIL	NIL	NIL	NA
	MD	NIL	NIL	NA	NA
	PE	1	NA	NA	NA
	MBA	1	NIL	NIL	NIL

e) **Athletes and sports persons:** The students are encouraged to participate in inter-collegiate, regional and national level sports and games. Athletes and sports candidates are encouraged by furnishing them with reservation as per state government's guidelines.

f) Any Other

There are two more categories for which the State Government has provided reservation facility. The details are as given below:

i) Children of Armed Forces Personnel (CAP) - 2%

ii) National Cadet Corps (NCC) - 1%

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

The college will not take applications directly from students for the counseling seats and the university allots the students to the Institute. For management seats, seats are allotted for all elegible applications, as the number of applications are less than the approved seats.

SI.No	Program	Course	Students' Intake	Student's Admitted	Demand Ratio
2014-15					
1	UG	CSE	240	238	99.16
2		CIVIL	120	85	70.83
3		ECE	240	237	98.75
4		EEE	60	41	68.33
5		MECH	120	96	80.00
2013-14					
1.	UG	CSE	240	224	93.33
2.		IT	120	54	45
3.		ECE	240	203	84.58
4.		EEE	60	44	73.33
5.		MECH	120	110	91.66
2012-13					
1.	UG	CSE	180	174	96.66
2.		IT	120	117	97.5
3.		ECE	180	180	100
4.		EEE	60	55	91.66
5.		MECH	60	58	96.66

2011-12					
1.	UG	CSE	120	120	100
2.		IT	120	114	95
3.		ECE	120	120	100
4.		EEE	60	60	100
5.		MECH	60	57	95
2014 - 15					
1.	PG	MBA	60	53	88.33
2.		ES	30	27	90
3.		ECE	18	14	77.77
4.		VLSI	18	15	83.33
5.		SE	18	6	33.33
6.		MD	18	9	50
7.		CSE	30	24	80
8.		CS	18	10	55.55
9.		PE	18	14	77.77
2013-14					
1.	PG	MBA	60	44	73.33
2.		ES	30	27	90
3.		ECE	18	16	88.88
4.		VLSI	18	18	100
5.		SE	18	11	61.11
6.		MD	18	13	72.22
7.		CSE	30	23	76.66
8.		CS	18	13	72.22
2012-13					
1.	PG	MBA	60	45	75
2.		ES	18	17	94.44
3.		ECE	18	13	77.77
4.		VLSI	18	12	66.66
5.		SE	18	18	100
6.		CSE	18	18	100
2011-12					
1.	PG	MBA	60	53	88.33
2.		ES	18	18	100
3.		ECE	18	07	38.88
4.		CSE	18	18	100

The reasons for increase / decrease in the admissions are decided by the following key factors.

- Keeping in view the job potential for different courses, the number of seats (intake) is increased over the years.
- Civil engineering course is also started in 2014-15 academic year, with a view that infrastructure sector development in the state will provide more job oppertunities for civil engineers.
- Statistics of National and Global employment scenario as predicted by the industry and society.
- Several postgraduate programs have also been introduced by the institute in different disciplines to cater to the ever changing needs and demands of the industry.
- In the recent years, most of the students prefer for CSE/ECE programmes rather opting for IT program due to increased job opportunities in these programs. In view of the above situation institute also tried to balance the ambitions of students by adding in take in CSE/ECE and withdrawn its interest in IT program.
- In the year 2012-13, admissions were slightly low in general due to the delay in admissions and increased number of engineering colleges in addition to global recession.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

- As per the education act of the Govt., and its policies, the college caters to the needs of differently-abled students (physical disability) by providing them with scribes for physically challenged. The scribes are generally students of lower qualification. The college secures the permission from the University in this respect. For the differently-abled students (physical disability), the classroom is allotted on the ground floor. Ramps and wheel chair facilities are also provided.
- Seats are reserved for them in the classrooms.
- Extra time is allotted for laboratory classes and special care will be taken for such students.
- College makes special arrangement for differently-abled students in the university examination.
- Students having vision and functional disability are provided with scribes during examinations.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If 'yes', give details on the process.

YES.

The institution assesses the students' needs in the following ways

- The college arranges "**Career Counseling**" to the students aspiring admission into B.Tech programme together with their parents before the admission process commences to explain the admission procedure and to create awareness among them on selection of branch/ discipline and also in selecting the best college.
- Induction Program is arranged every year for students along with their parents before commencement of class work. This programme is a platform to provide information about the facilities, faculty, rules, regulations, importance of discipline and code of the college which are clearly spelt out to ensure for an effective and congenial teaching-learning atmosphere. The teaching-learning process is the harbinger of life for any educational institution. Hence, teaching methodology is heralded to create awareness about the college. The students and parents are encouraged to express their doubts, suggestions and elicit any other relevant information during induction program.
- Orientation classes are arranged for newly admitted students. Senior faculty talk to students on a wide range of topics, namely Time Management, Motivation and Goal Settings, Career Planning and many other interesting and important aspects of professional career. The orientation classes provide recourse to motivate the learners' zeal and enthusiasm to learn in a new environment.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students (Bridge / Remedial / Add-on /Enrichment Courses, etc.) to enable them to cope with the program of their choice?

The strategies drawn and deployed by the institution are:

- The institution conducts remedial classes after the college hours for lateral entry students and slow learners in different courses to enhance their skills and competence.
- Tutorial classes and soft skills classes are conducted for the students to improve their knowledge.
- Students participate in group discussions on every course to share their knowledge.
- Assignment tests are conducted to assess students' level of understanding. Based on students' performance in the assignment tests, teacher modifies his/her teaching methodology.
- Seminars, Guest lectures and workshops are conducted to students to improve their knowledge in different areas and also to keep them abreast with the latest developments in technology.
- Faculty identifies the known gaps in the curriculum and conducts bridge courses on those gaps.
- Add-on courses are organized for advanced learners to enhance their learning abilities.
- Bridge courses are conducted for lateral entry students.
- Personality Development programs are conducted to improve their outlook and to motivate them for an innovative and creative mindset

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- The institution holds the tradition of imparting holistic education with emphasis on ethical and moral values.
- The college, being co-educational institution sensitizes its staff and students on issues such as gender inclusion, environment etc by holding seminars on the relevant topics like women empowerment.
- College provides equal opportunities to men and women in all the activities which not only include teaching, but also co - curricular, extracurricular, sports, sponsorship to the courses, programmes, higher studies, appointments, committees, placements etc.
- Celebration of women's day by teachers and students is also a part of women empowerment program.
- College celebrates Teachers' Day and Engineers Day, where students and teachers can interchange the role of each other.

- The college conducts seminars and conferences where in the experts from different fields of education are invited to share and deliver their experiences and knowledge.
- Professional Ethics, Morals and Environmental Studies are part of the regular curriculum.
- The N.S.S. unit conducts awareness programs to villagers around Keesara Mandal, where the college is located to enlighten them on importance of education to children, environmental and social responsibilities. The unit also conducts signature campaign program.
- The students also involve in social service activities like clean and green program, planting saplings, health camps, blood donation camps, fire safety measures etc.

2.2.5 How does the institution identify and respond to special educational / learning needs of advanced learners?

- The advanced learners are identified based on the performance in internal exams, regular attendance to classes and the performance in class tests. The college offers a number of opportunities for the bright students to augment their talent and meet their learning needs.
- Students are encouraged to make research contributions in their major project at the UG and PG level and publish their results in journals and also present it at National and International Conferences.
- Participation of students in value added courses, content beyond syllabi programs. Mentor interacts with students regularly and identifies their needs, the results of Electives and other courses.
- Students are participating in JNTUH's EXCITE workshop, Tech Mahindra's campus connect program, and etc, to discover, nurture and refine technical product ideas from students in a guided structured summer program that will end with a demo prototype of the idea
- Centre for Advancement of Career and Human Excellence (**CACHE)** is the department of the college responsible for Career Guidance, Training, and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali. It was started in 2005 with an intention to enhance the students' understanding of employability and Professional Development. It works on the basic premise that learners are dynamic. Its salient features are:

  - Deals with Career Guidance, Training, Placements and Entrepreneurship
  - Training is imparted to students from their freshman year as they are considered greenhorns in the field of engineering and other related courses.
  - The students are trained to be an asset to their employers.
  - Various innovative methods of teaching are implemented
  - A special syllabus is planned keeping in view the industry requirements and constraints of regular syllabus.

➢ Focus is on Communication Skills, Aptitude, and Soft Skills, developing the Confidence of Students, improving their Body Language, inculcating Creativity and into making them responsible individuals.

- Geethanjali College of Engineering and Technology in association with T.I.M.E. (Triumphant *Institute* of Management Education) conducts a comprehensive student development programme with an objective to enhance employability and professional development skills of its students. The program focuses on cultivating positive personality traits and developing problem solving skills.
  - TIME conducts two classes per week for 2nd and 3rd year students, four classes per week for IV year students throughout the semester. The training module covers the areas of Functional grammar in Standard English and Tips on improvement of Vocabulary, Listening skills, Speaking skills, Public Speaking, and Effective Writing.
  - Backed with the belief that learning is a gradual and constant process, the program design and delivery are aimed at creating interest in students and also gauge their progress in respective skills. The program initially focuses on building their basic language and communication skills. During the later stages, the areas of aptitude (Quantitative, Verbal & Logical Ability) are covered. Students are given an opportunity to take a Psychometric Test with an objective to assess their interpersonal skills, abilities, attitudes and personality traits.
  - Apart from all the training, the students are provided with, soft-skills training. The students participate in Mock Interviews and Group Discussions, which will put them in a better situation over their peers in the final selection of any recruitment drive.
  - Besides, the entire training and practice in the program, Mock tests and Company specific test patterns would beef up their confidence to face the competitive world.
  - This specialised training imparted to students is very useful in shaping themselves as better individuals, employees, leaders etc. More specifically we leverage our association with the best institute which has a reputation to churn out students as professionals.

- The college organizes various competitions like Technical presentations (BHASWARA) and project exhibitions regularly and gives prizes and awards.
- Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth through projects which would add value in their professional enrichment.
- Topics on content beyond syllabus are taught to quench their thirst for knowledge.

- Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. and also for developing analytical, problem solving and presentation skills.
- Motivating them to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Training to use audio visual aids like power point, charts and models for effective presentation.
- Motivating to participate in in-house research activities.
- Encouraging them to participate in national and international level paper presentations and conferences.
- Providing opportunity to develop their creativity by organizing intercollegiate and state level cultural, literary, technical and sports competitions.
- Encouraging them to enroll for specialized training through certificate courses.
- Appointing them as student representatives at the department level committees to develop leadership skills.
- Pre-placement training (CRT and soft skills) classes are conducted to improve their performance in the placement interview.
- GCET is Cisco Academy Partner [ID 3089885] Cisco Systems, Inc. is the worldwide leader in developing networking products. Networks are an integral part of business, education, government and home communication.
- Students are provided with CCNA Exploration (Network fundamentals, Routing protocols and Concepts) Certificates upon successful completion.
- Industrial visits/Educational tours are arranged for students to enable them visit various industrial organizations and other places of importance. This facilitates students to get a glimpse of functioning of industry, corroborate the learning in the class room vis-à-vis with practical aspects of industry. Educational Tours enable students to get general education that is essential to have a cherished professional life.
- Scholarship is provided to the first ranker in each section for all years of students

Details	2014-15	2013-14	2012-13	2011-12	2010-11
Category / Basis (Merit)	Merit	Merit	Merit	Merit	Merit
Scholarship Assistance (Nos)	39	42	22	20	22
Amount	1,17,000	2,14,000	2,20,000/-	2,00,000	2,20,000

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- College carries out result analysis for the different programs and it gets the information about academic performance of students to avoid the risk of dropout.
- Internal evaluation tests of college also help to obtain the information about students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker students.
- Slow learners are identified after observing their performance in class tests and first mid examinations. Such students are asked to express their problems and the following measures are taken to reduce the drop outs.
    - Special classes are conducted for students deficient in language skills.
    - Remedial classes are organized to clarify doubts, explanation of critical topics for improving performance.
- One faculty member is assigned as counselor for every 20 students. The faculty counselor assesses the nature of their problems. Students with psychological / emotional problems are also motivated in a friendly way to reach their goals.
- Student Mentors conduct / interact regularly with students assigned to them and finds out the academic performance of students and probable reasons in case of poor performance. This will allow identifying and rectifying the problems at every stage.
- College conducts parent meets twice in a semester and shares the feedback collected and also about drop outs of different class of students. So that parents also initiate corrective action.
- Poor performance due to frequent absenteeism is dealt with by informing over telephone and through registered letters to the parents of such students.
- The college has 'Winnou' software for maintaining students' attendance and marks. User ids and passwords are created and are given to the students' parents. The parents would know about their ward's records on daily basis through SMS.

2.3 Teaching - Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The process is as follows:

i) Academic calendar:

- The academic calendar is issued by the affiliating university JNTUH for the overall semester / year.
- The College provides academic calendar, which is issued by Academics Section to all Departments at the start of the Semester / year giving complete details of the data wise activities.
- Academic calendar includes all activities to be organized by the college.
- The students are informed about time tables and academic calendar well in advance

ii) Teaching Plan:

- Head of the department conducts meeting with the faculty before commencement of the semester, course work subject allocation is completes at least 4 to 6 weeks before semester commences.
- Class time-tables are prepared and displayed in all the notice boards.
- Every faculty member prepares a course file.
- The course file is evaluated by a committee chaired by the HOD concerned.
- Laboratory manuals are prepared and supplied to students at the beginning of the semester.
- Faculty conducts tutorial classes, lab sessions, Guest lectures, seminars and workshops for the courseo.
- Review meetings are arranged periodically to review the status of syllabus covered.
- Teacher uses aids like OHPs, LCDs wherever necessary.
- Faculty conducts assignment tests regularly.
- College carries out result analysis and gives the information to Internal Quality Assurance Cell (IQAC) and seeks the guidelines from it for further improvement.

Handouts:

- At the beginning of the semester first year students are supplied with handouts.
- For the senior students, the course files and the lab manuals (CDs/DVDs) are given to them for every course before commencement of semester.
- The handouts consist of :
    - Course Files
    - Lab manuals
    - Assignment and important questions in each unit.
    - Content beyond syllabus.

iii) Evaluation:

- Faculty conducts assignment tests/ class tests in regular intervals.
- Two mid examinations, subjective and on-line, in theory courses and one internal examination in case of practical are conducted in each semester.
- The department will carry out internal assessment on all courses based on internal test performance of the students.
- Continuous evaluation procedure is followed for practical courses.
- Internal marks are awarded as per University guidelines.
- However, University conducts end semester examinations in both theory and practical courses.
- Evaluation of mini-project is also under the purview of the University.
- Feedback is collected periodically when teaching is in process and faculty concerned uses the same to meet the requirements.
- Teacher guardian (Mentor) counsels the students about the academic performance.
- Every week, Faculty members submit weekly reports (on syllabus completion) to HoD(s) concerned and then to Dean (Academics).
- At the end of the semester 'course end survey' report is reviewed by IQAC.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

In Geethanjali College, the Quality check (QC) committee is established during the academic year 2006-07. In the year 2012-13, it is re-structured as IQAC committee. This committee takes up the following responsibilities:

- IQAC reviews course files, lab manuals, facilities available in the laboratories, teaching learning methods, lesson plans, lesson schedules, attendance registers and takes efforts to implement any change for the smooth conduct of classes.
- Every semester, IQAC gets the information from college, about the academics, syllabus coverage, evaluation, results, students' feedback about academics and administrative processes.
- Using this information, IQAC takes review of existing teaching learning process and related infrastructure. If required it organizes meetings with Principal, HODs and management nominees.
- This enables IQAC to suggest improvement in teaching learning process.
- IQAC annually submits detailed report on teaching learning process, methodologies adopted and suggests the improvement of the same.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- The college offers support services to the teachers for making the learning learner centric.
- The college organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning.
- **Interactive learning**
- All classrooms are with LAN connection and separate e-classroom is provided for each department.
- The college provides state of the art laboratories, fully equipped seminar halls and e-class rooms where students participate in group discussions, debates and seminars and attend guest lectures.
- The faculty provides several URLs for each course, and many URLs facilitate students towards interactive learning.

ii) **Collaborative learning**

- The college has the facility of teaching aids such as OHP, LCD projectors, broadband internet connectivity, Wi-Fi connectivity.
- Geethanjali College of Engineering and Technology in association with **T.I.M.E.** conducts a comprehensive student development programme with an objective to build employability skills to students. The program focuses on honing various life skills as required by the employers.
    - TIME conducts two sessions in a week for each class throughout the semester. The training module covers the areas of Functional grammar in standard English and Tips on improvement of Vocabulary, Listening skills, Speaking skills, Public Speaking, and Effective Writing.
    - Backed with the belief that learning is a gradual and constant process, the program design and delivery are aimed at creating interest in students and also gauge their progress in respective skills. The program initially focuses on building their basic language and communication skills. During the later stages, the areas of aptitude (Quantitative, Verbal & Logical Ability) are covered. Students are given an opportunity to take a Psychometric Test with an objective to asses their interpersonal skills, abilities, attitudes and personality traits.
    - Apart from all the training the students are provided with, soft-skills training with hands on experience through Mock Interviews and Group Discussions, which will give them an opportunity to make their way to the final selection of any recruitment drive.
    - In addition to the above mentioned training and practice in the program, Mock tests and Company specific test patterns would act as catalysts in equipping the students with confidence to face the competitive world.
    - This specialised training imparted to students is very useful in building their personalities as individuals, employees, employers, leaders etc.

More specifically the college leverages its association with the best institute which has a reputation to chisel students as industry-ready professionals.

- Mini projects and design projects are executed by forming small groups of students.
- Case study examples are practiced by the student groups.
- Summarizing/ evaluating discussion topics conducted during the semester, at the end of the semester by group of students
- Groups are formed in the laboratories while conducting experiments and the group members shares ideas.
- Entrepreneurship activities are conducted student groups and brain storming the ideas.
- The departments maintain departmental libraries and internet facility to access all the journals, e-material, e-books etc through Library server enabling the students and faculty to keep themselves in alignment of the latest developments in their respective fields.

iii) **Independent learning**

- The college provides well stocked Library which consists of adequate number of books, journals, e-books, project reports and other teaching material and also provides access to IEEE articles for students and faculty.
- The department provides well equipped labs for improving programming skills and logical thinking.
- Study material is available in college portal and in Digital Library.
- Department conducts webinars, NPTEL video lectures.
- Design projects as a part of regular curriculum, are taken up by individual students for independent learning.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The students are encouraged to design their own applications using the available equipment in the laboratory and some of CSE students implemented online portal project to know about student's academic track record.
- The faculty motivates the students to participate in paper presentations, project exhibition contests and various co-curricular activities in various events organized in and outside the college and many students won first and second prizes.
- Students are encouraged to participate in seminars and workshops to gain hands-on experience.
- Students are encouraged to take up live / industry projects.
- Students are encouraged to gain knowledge in interdisciplinary courses through selection of open electives, seminars and discussions with experts.
- The college encourages participating in games & sports, NSS, NEN and other social activities to enhance their team-work skills, self esteem, and

personality. Participation in such events makes them responsible citizens and engineers with a human touch.

- To hone critical thinking process of students, in order to make them industry ready, various group discussions, debates and seminars are organized in which students explore new ideas.
- The instruction time table provides for Library/internet periods. The students can go to the Library which is abundantly equipped with self-learning tools. The students thirst for wider knowledge is ignited in the classrooms. With this invigorating spirit the students surf the internet and delve into journals and books relating to their areas of interest.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning – resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- Modern teaching aids such as, Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction by faculty.
- Weekly one hour is allotted for organizing NPTEL video lectures on every course.
- Conducting webinars for all courses.
- College provides e-books, e-tutorials, and application notes by industry such as Intel, HP, Oracle and Microsoft etc to the students in the digital Library.
- The college provided access to the MIT freeware, IEEE journals, free e-journals of AICTE & online journals, ASME, Science Direct to faculty members.
- College sponsors the faculty for membership in professional societies.
- The literature of various professional societies is made available to the students at hand.
- Faculty provides online tutorials, notes, study material to the students.
- Computers with internet facility exist in all departments. All the senior faculty members are furnished with desktops with internet facility.
- Open Source Labs.
- Language laboratory.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- The staff members are encouraged to participate in short-term courses, staff development programs and workshops on advanced topics to enhance their level of knowledge.
- College organizes expert lectures, seminars, conferences, workshops, summer and winter school to expose students and faculty to advance their knowledge.

- Guest Lectures/ workshops are organized by inviting experts / resource persons on advanced topics for the benefit of students and faculty.
- Teachers deliver "Content beyond syllabus" during their classroom instruction.
- Industrial visits are arranged for the students for practical exposure.
- Faculty members are encouraged to participate / present papers at national/ international seminars / conferences.
- College has student chapters of professional bodies namely IEEE, ISTE, and CSI which organizes various events to expose the students for advanced level of technology.
- GCET conducts paper contests, poster presentations, technical exhibition and project exhibition (**Tech Expo**) for all students (**BHASWARA**) during every academic year.
- The college arranges state level competitions in literary & cultural, math, sports & games and technical paper contests during the college FEST. (**ALPHAMATICA, MATHAMETICA, VIBES and VIBGYOR)**

2.3.7 Detail (process and the number of students/benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

- The class teachers carefully monitor the regularity of attendance and the performance of the students in internal evaluation tests and end semester examinations. Accordingly, the students are advised and also remedial classes are conducted on need basis for slow learners to improve their performance in the subsequent examinations.
- The mentor identifies the strengths and weaknesses of the students, and their stated goals, in the course of interaction with the students. Where there is divergence between the students' academic progress, regularity of attendance, attitude and behavior on the one hand and the stated goals on the other, the mentor counsels the students appropriately with a view to bring about positive changes in the students to put them on the right track. Time to time, the mentor keeps an eye on the students' behavior and conduct, which are directly related to their success and achievement of their goals.
- The college management is providing **psycho-social support.** Dr. V. George Reddy, MBBS, DPM is available for counseling on need basis**.**
- Mentors / advisors are allotted for each class or group of students to provide academic and personal guidance. Usually, one senior faculty member is assigned as mentor for a group of 20 students. A mentor diary will be opened at the time of admission into the program and will be continuously monitored keeping track of all round performance till the end of the Program. By this way, all the students of the college are benefited through proper mentoring and counseling at the right time.
- The training and placement department performs professional counseling for the students. Personality development programs are organized for the students.

- HODs also counsel their respective department students and give them advice from time to time.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- The students are divided into groups for conducting group discussions, as a means of encouraging peer learning. This method in particular is useful to the students who are academically less performing. The students are given many tasks such as group assignment completion, problems for solving and mini projects. These activities help the students to learn on their own about the recent and up-to- the minute developments in their field of study.
- Faculty prepares question bank for the students.
- Faculty employs collaborative learning and active learning tools to make the learning atmosphere enriching and enlightening. For conceptual understanding of the course, special projects are given to students.
- Seminars are conducted regularly to bring out inherent talents of the budding engineers. Special guest lectures are also arranged on the latest topics by eminent academicians / industrialists and scientists.
- Faculty members are encouraged to participate in National/International seminars by extending academic leaves. The college also provides the required financial assistance.
- The college regularly arranges training programs to faculty members.

2.3.9 How are Library resources used to augment the teaching-learning process?

- The college has a spacious central Library in an independent building spread over two floors with Carpet area of 950 Sq. Mtrs and Reading space of 400 Sq. Mtrs with all modern facilities.
- The Library has the following resources:
    - Titles : 4,997
    - Total No. of Volumes : 28,206
    - Reference Books : 3,116
    - Print Journals : 80
    - Back Volumes of : 1,183
    - Project Reports : 1,604
    - Total seating capacity: 250
    - Working hours: 9.30 AM to 6 P.M

Expenditure spent in the last 4 Academic years:

Year	Books	Journal/Magazines (hard copy)	Journal/Magazines (soft copy)	Misc. Contents
2011-12	6,59,933.00	1,88,290.00	13,17,277.00	1,77,314.00
2012-13	4,41,405.00	1,21,242.00	3,12,768.00	76,564.00
2013-14	8,26,140.00	1,80,115.00	3,72,780.00	74,079.00
2014-15	6,86,835.00	-	-	1,62,295.00

- **Digital Library**
  - Number of Computers: 24 with internet.
  - Library Server : Tidal Data
  - Library Networks Membership : DELNET, British Library
  - Video Projection Room : YES
  - E-Learning Material : 86 CD's
  - NPTEL Web Courses on 6 courses: 216 Video lectures
  - MIT Video Lectures : 16
  - Stanford Video Lectures: 14
  - Media Resource Centre : Yes
  - Number of users per day : 300 -350
  - The students are encouraged to utilize the learning materials available in the Library.
- Both the faculty and students go through the video lectures like NPTEL of Professors from IITs.
- Faculty and the students refer to the online and print journals to publish/ present technical papers.
- Digital Library is accessible to all the faculty members on their desk top. Icons are created by the system administrator on need basis.
- Students refer to the e-learning resources available in the digital Library to enhance their technical knowledge and understanding of the courses.
- The Library and Computer centre are accessible beyond the working hours of the college also. Students can download the required technical material.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

YES.

Though the institute could complete the curriculum within the time frame stipulated by the university, it has sometimes faced the following challenges:
a) Due to the delay in admissions at first year level and due to some political reasons, the instruction period is usually reduced. In such situations the institute compensates the loss by extending the instruction period. This is executed by adding an extra period (8th hour) for all departments.
b) Occasionally faculty take it as an opportunity to complete the syllabus in time by conducting extra classes (Sundays and second Saturdays).

c) Sometimes teachers need to conduct bridge courses particularly to the lateral entry students admitted into second year to meet the curriculum gap. This will enable them to be comfortable with the curriculum.

e) The IQAC monitors the syllabus covered in every course and suggests suitable remedial measures to the teachers concerned.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- The inter semester and end semester feedbacks for all the courses are taken from the students in every semester. The feedback is collected by Quality control section (IQAC).
- The feedback is analyzed and evaluated on a scale of 5 and every teacher is provided with a copy of feedback for making necessary corrections. Further, teachers are counseled by the head of the department, Dean Academic Affairs, and Principal if required.
- The administration also receives the feedback by interacting with a selected group of students from each class.
- Monitoring is also done through class representatives to assess the uniformity in syllabus coverage, and also the quality of teaching.
- The quality of course material and assignments prepared by the faculty are assessed internally and suitable suggestions are provided for enriching the course materials and assignments by the senior faculty of the department.
- Course end survey reports are taken by the department at the end of the course.
- There is a close monitoring of the pass percentage of students in the relevant courses taught by the faculty. If the results are good (above 90%), the faculty concerned is given appreciation letters as a token of encouragement. However, with a view to improve the teaching standards, relevant action is taken by the college if and when necessary to improve the pass percentage.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum?

- **Recruitment of faculty:**
  - Institute formed a Staff Selection Committee towards recruitment of staff members as per the University/State Government norms.
  - The following are the composition of the committee:
    1. The Principal
    2. Dean Admin
    3. Dean Academics
    4. Heads of the Department
    5. Two expert-subject members

- The college recruits and retains the faculty who are competent, qualified, experienced and experts in their respective field of study.
- The college advertises for faculty recruitment in the state and national newspapers. The candidates are interviewed by the senior faculty members as per AICTE and University guidelines are followed for recruiting the faculty.

Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	16	04	02	02	--	--	24
M.Phil.	--	--	--	--	--	--	--
PG	10	01	28	18	80	78	215
UG	--	--	--	--	--	--	--
Temporary teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
Part-time teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

Retention of Faculty:

The following measures are adopted by the college to ensure stable and continued services of its staff members in the college.

- Faculty who have put up two years of service in the college are sanctioned one day OD per week to pursue their Ph.D (Part time).
- The college contributes its might for **Employee Provident Fund** (EPF) to all the staff members.
- Further faculty is sponsored to attend FDP/ SDP / Workshops regularly to enhance the knowledge and skills in the emerging areas.
- Encouragement is also given for continuing research by way of applying for funded projects and receiving the grants from various research and funding agencies.
- The medical leave and Earn leave facility is provided for all the staff members of the college. Maternity leave for a period of three months is provided by the college for women faculty.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- For Computer Science and Information Technology sectors, College has recruited qualified and experienced faculty for both CSE and IT departments.
- The departments of Computer Science and Engineering and Information Technology have organized several workshops / seminars on the latest courses

pertaining to various emerging areas. Further, senior faculty mentors a junior faculty often and there exists a system which ensures a senior faculty majoring specialized area(s) mentor junior faculty in the same area(s). This has helped the faculty members to update their knowledge in those courses.

- To attract the new faculty and to retain the existing faculty the college provides Employee provident fund, motivational incentives for paper publications and provides research facilities in the departments to pursue their Ph.D. programmes. In fact several faculty of middle and junior cadre have registered for Ph. D with the senior faculty of the department.
- Faculty members are deputed to various conferences /seminars / workshops organized by other institutes on emerging areas by granting academic leave and bearing all the expenditures including registration fee.
- During the last four years, many of our faculty members have participated in number of national and international seminars and workshops. All these teacher centric facilities helped the college in retaining the existing faculty and also in attracting qualified and experienced faculty to the college.
- Till now the Institution did not offer courses in Biotechnology and Bioinformatics.

2.4.3 Providing details on staff development programs during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination of faculty to Staff Development programs during the last four years.

Academic Staff Development Programs	Number of faculty nominated				
	2014-15	2013-2014	2012-2013	2011-2012	2010-2011
Refresher courses	**2**	**4**	**10**	**3**	**5**
HED Programs	**-**	**-**	**-**	**-**	**-**
Staff training conducted by the University	**5**	**10**	**11**	**10**	**7**
Staff training conducted by other Institutions	**23**	**10**	**23**	**21**	**16**
Summer /Winter Schools, workshops etc.	**-**	**10**	**1**	**-**	**-**

b) Faculty training programs are organized by the Institution to empower and enable the use of various tools and technology for improved teaching-learning process.

Training programs	No. of programs organized (FDPs, SDPs, & Workshops)					
	CSE	**ECE**	**IT**	**EEE**	**MECH**	**MBA**
2014-15	10	7	5	9	13	3
2013-14	11	13	7	5	5	4
2012-13	8	18	5	10	-	2
2011-12	7	10	-	7	-	3

c) Participation of Faculty

Faculty Participation	No. of programs						
	CSE	ECE	IT	EEE	MECH	MBA	Total
As Resource Persons in Workshops / Seminars / Conferences	8	6	21	1	1	-	37
Participation in Workshops / Seminars/ Conferences	57	172	29	46	5	14	323
Presentation of papers Seminars/ Conferences	86	179	57	46	11	18	397

2.4.4 What policies / systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programs industrial engagement etc.)

- Well Documented Human Resource Policy manual
- The college also conducts number of seminars, workshops and special lectures for the benefit of its faculty. The college has conducted number of workshops/seminars/ conferences during the last four years.
- The college encourages and deputes its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations with financial assistance.

Incentives for publications in national/international journals/conferences:

S.No.	Name	OD	TA	Incentive
1	National Conference	YES	50%	Rs.1000/-
2	National Journal	-	-	Rs.1000/-
3	International Conference	YES	50%	Rs.1500/-
4	International Journal	-	-	Rs.2000/-
5	Workshop	YES	50%	Rs.500/-
6	Special allowances for attending Ph.D viva in India and abroad.	YES	Discretionary	
7	Loans for Pursuing Higher Education	YES	NIL	

- Provision for sanction of one day OD per week for pursuing Ph.D. programme for the faculty.
- The institution provides personal/study loans for the faculty. It also furnishes the loan facility for purchasing laptops/systems for the faculty.
- Encouragement is also given for continuing research by way of applying for funded projects and receiving the grants from various research agencies.
- The college has an Industry-Institute Interaction cell that interacts with industry on a regular basis and deputes faculty and students to visit industries and encourages faculty to guide projects that are more interdisciplinary.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance / achievement of the faculty.

- Dr. Udaya Kumar Susarla won the "Best Teacher" award in Sreenidhi Institute of Science Technology for the year 2001-2002 and for the years 2004-05, 2005-06, and 2006-07.
- Prof. EVLN Ranga Charyulu was awarded fellowship to attend the tutorial titled "**Radio receivers front-end IC design**" at the 24th International Conference on VLSI Design held at IIT Madras, Chennai, during January 2-7,2011.
- Sri.D.Venkateshwarlu , Associate Professor received "Merit Certificate" from Balaji Institute of Technology and sciences.
- Prof. EVLN Ranga Charyulu was awarded fellowship to attend the tutorial titled "**3D Integrated Circuit Design**" at the 24th International Conference on VLSI Design held at IIT Madras, Chennai, during January 2-7,2011.
- Prof. EVLN Ranga Charyulu was awarded fellowship to attend the tutorial titled "**Opportunities and Challenges in High-Performance and Low-Power Applications using Multi-Gate FETs for Sub-22 nm Node CMOS Technologies**" at the 24th International Conference on VLSI Design held at IIT Madras, Chennai, during January 2-7,2011.
- Dr.S.Nagender Kumar's Ph.D thesis has been adjudged as **Dean's best Ph.D** at Massey University, New Zealand. He has also been awarded as Senior Member in IEEE.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

YES.

- The evaluation of faculty by the students through online feedback is taken twice in a semester. The responsibility of taking the feed back is bestowed on IQAC committee. This feedback is analyzed and appropriate suggestions are given to the faculty by the HOD concerned and the Principal to see that they overcome their short comings.
- The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices, punctuality and laboratory work.
- The Head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- The faculty is also evaluated by the JNTU University through FET examinations or Ratification process and Ph.D entrance test when they appear for the same. Many have cleared their Ph.D entrance examination as well.

- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled.
- Course evaluations are taken at the end of each semester Feedback is provided to faculty.

2.5 Evaluation Process and Reforms:

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The regulations, curricula and syllabi of all the programmes offered by the college are available in the college website. The regulations contain the details of the evaluation process.
- The syllabus book is given to the students.
- Student's attendance and their performance (results) is uploaded in the winnou software. Students and Parents can verify any information through that website.
- The students and faculty are informed of evaluation process, assignment tests, Mid Tests and end-of-the-semester exams through website, various circulars, and etc.
- The students and faculty are given the college program schedule, which contains timetable, academic calendar, internal test schedule, list of holidays etc. at the beginning of the semester. In the orientation program conducted in the beginning of the odd semesters, faculty gives a small briefing about the examination and evaluation methods followed in the respective disciplines to the students.
- The parents are briefed about the evaluation methods followed in each discipline during the inaugural parent teacher meet and on orientation day conducted every year and during the Parents meetings.
- The institution has tied up with "Winnou system" for maintaining students' attendance and marks. At the end of the day the student attendance is updated using that software. Every parent and student is given a user id and password, so that students can see their attendance and also parents can see their ward's attendance and performance on daily basis.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- The evaluation methods are discussed in detail in the staff meetings / CAC meetings and the final decision taken is conveyed through circulars.
- Students are informed in the beginning of the session regarding the internal examinations.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- The external examination results are posted in college portal and in 'Winnou' software, for every semester / Year.
- Human Resource Manual books are given to the faculty members.
- Students' Handbooks, Parents Guide, etc to be given to them before commencement of semester.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- The college is affiliated to JNTUH University, Hyderabad. The university has evolved an innovative system of examination and evaluation procedure which is highly efficient and automated.
    - Comprehensive viva
    - Mini Projects at the end of 3-2 semester.
    - Quiz exams as part of each Mid.
    - Choice is not given in the Mid exams and End exams.
- The college has adopted various university reforms pertaining to evaluation viz.
    - Tutorials, Assignments, Lab internal exams and etc are conducted.
    - Mid exam question papers – 4 sets are collected from the faculty and one of them is selected by the Principal just before the examination.
    - College level Grievance committee is formed to resolve issues regarding the students complaints against evaluation of mid exam papers.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- Tutorials classes are conducted once per every week for all the courses and two faculty members are available in that class, to observe each and every student performance.
- Assignments are given to students in each unit in each course and marks are given to them as a part of internal examination.
- Lab internal examinations are conducted twice per semester for each lab course, and the marks are given for Record submission, attendance for the lab sessions, performance in viva, and day to day student activities in the lab and experiment.
- For each Mid exam, 4-sets of question papers are prepared by faculty and one of them is selected by the Principal just before the examination to avoid the leakage of question paper to the students. To conduct Quiz exams, online question paper is given by the university which is part of the internal exam.
- Mini projects are conducted in 3-2 vacation and major projects in 4-2 semester duration.
- Question papers are revised, such that no choice is given in the question paper (only internal choice within the same unit), so that students' quality will improve.

2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system?

- The institution adopts both formative and summative methods of evaluation for positive change in the evaluation practices

Formative evaluation process:

The goal of formative assessment is to monitor student learning to provide ongoing feedback that can be used by instructors to improve their teaching and by students to improve their learning.

Formative Assessment of the students is executed on the following parameters:

- Assignments
- Presentations
- Industrial visits
- Class interactions
- Group discussions
- Viva-voce
- Workshops/Seminars
- Research activities
- Projects
- Curriculum based training
- Social activities
- Inter college competitions
- Overall attendance and conduct during the session

Summative evaluation process:

The goal of summative assessment is to evaluate student learning at the end of an instructional unit by comparing it against some standard or benchmark. Summative assessments often have a high point value. Summative Assessment takes place at the end of the academic session which is conducted by the college during the terminal test at the end of the semester. The college conducts a summative evaluation at the end of each semester through the following means:

- Written Exams
- Practical Exams
- Viva voce
- Project work

Also, a course end survey is conducted, which gives information regarding summative evaluation of the courses which can be related to student learning.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weight-age for behavioral aspects, independent learning, communication skills etc.

UG: B.Tech.

- There is complete transparency in the internal assessment. The criterion adopted is as directed by the University.
- All the students are familiarized about the transparency in internal assessment.
- For each lab class, evaluation sheets are maintained and student assessment is done on behavior aspects, independent learning etc. Each criterion is carefully considered and lab internal marks are awarded based on the students overall behavior during the lab sessions.
- Special assignments are given with unique topic for each student, which will enable them to have independent learning. The assignment marks are allotted based on the students' performance in the assignments, regular lab assessment.
- Seminar classes and technical quizzes are conducted as part of academic schedule, which will enable the students towards independent learning and acquire good communication skills.
- TIME classes through CACHE and group discussions are conducted to improve communication skills.

Transparency in Internal Assessment: After evaluation of the assignments /tests / projects / etc. the results are shown in the class and signature is taken from the students and also, these are displayed in the notice boards. Students are individually counseled. Feedback is taken from the students for better assessment and for also improving the existing standards of assessment.

2.5.6 What are the graduate-attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

- Graduate Attributes (GAs) form a set of assessable outcomes. They are the components indicative of the graduate potential to be practiced to acquire the desired competency. The Graduate Attributes are exemplary of the attributes expected of a graduate from an institution.

  Graduate Attributes:

  1. Engineering knowledge
  2. Problem analysis.
  3. Design/development of solutions
  4. Conduct investigations of complex problems
  5. Modern tool usage
  6. The engineer and society
  7. Environment and sustainability
  8. Ethics

9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

The college ensures the attainment of the above Graduate Attributes by the students as follows:

- Program Outcomes are established through the consultation process with stake holders keeping the Graduate Attributes defined by NBA as basis. Department Vision, Mission and Program Educational Objectives are also kept in view.
- The program outcomes are achieved through curriculum that offers a number of mandatory courses as well as elective courses. Each course has specific number of course outcomes that are mapped to the program outcomes and a set of performance criteria are used to provide quantitative measurement of how well course outcomes are attained.
- The following are the various methods used to attain the PO's:
    - Lecture interspersed with discussion
    - Quiz
    - Tutorial
    - Demonstration (Such as model, laboratory, field visit)
    - Co-operative learning through Group Discussion
    - Assignment
    - Project
    - Technical Seminar
    - Learning Resources sharing

Lecture interspersed with discussion:
Students are provided with lectures by faculty using effective teaching and learning process. Teaching aids include black board, OHPs/LCD and Discussions.

Tutorial:
As per the curriculum specified by the affiliating university, each course (with exception to a few courses) is provided with one period per week for tutorial session. In tutorial sessions students are tested wherein a couple of problems/case studies are given to students and are observed with regard to the same. Whenever there is difficulty experienced by students hints are given there by facilitating them to solve/explain the same. Two faculty members assist student in tutorial sessions.

Demonstration (Such as model, laboratory, field visit):
Laboratory sessions enable students to put into practice the theoretical concepts learnt during their course. Since curriculum is provided by university the department facilitates students with additional laboratory exercises which enable them to overcome the gaps in the syllabi. In addition to the above students are encouraged to develop small modules/prototypes, few of their choice and other specified by faculty. Students are facilitated interaction with industry by motivating them for industrial visits and tours.

Co-operative learning through Group Discussion

Students are motivated towards learning by discussions as a regular activity in classrooms. As part of tutorial sessions, each subject is provided with a discussion hour in alternate weeks, wherein students are divided into smaller groups of 5 to 6 in size.

Students are provided with a topic by the faculty and are asked to discuss for 10 minutes. Then the group presents the deliberations that took place among them for 3 minutes to the remaining groups. Each time a different student from each group presents so that every student of the group gets a chance to hone their presentation skills. The Group discussion of each subject not only enables the students to improve their presentation skills but also facilitates cooperative learning.

Assignment

Students are made to learn through assignments. Assignments facilitate student thinking and enable better comprehension. Atleast one assignment is given on alternate weeks. In all each student submits 7 to 8 assignments per subject.

Project

Students are required to do two projects as partial fulfillment of B.Tech program. They need to do a mini-project in industry during the summer vacation after the completion of the III year and a major project in their IV year II semester. These projects provide the student with skills such as problem definition and solution by carrying out analysis, design, execution and testing.

Technical Seminar/Project presentation

Students give a technical seminar presentation in their IV year II semester on a technical topic of their choice from their discipline. Further, students also give a presentation on their projects. These help the students to enhance their written and oral presentation skills.

Learning Resources

Central library of the college facilitates students with access to course material such as course files, e-books, NPTEL video lectures, national and international Journals etc., Students are also provided with a CD containing course material and laboratory manuals before the commencement of the semester which would enable them for proper planning and preparation.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At college level:

- The answer scripts of internal examinations are shown to the students after evaluation to find out the discrepancies, if any. The same is brought to the notice of teacher concerned, and the necessary corrections are made.
- If student is not satisfied with the marks awarded in any course/ laboratory after bringing it to the notice of the teacher concerned, he/she may approach the grievances redressal committee for evaluation. All such representations are taken positively and reassessment will be made by a competent teacher if necessary.

Table: The grievances redressal committee members

S.No	Name of the staff member	
1	Dr.S.Udaya Kumar-Principal	Chairman
2	Prof.K.Somasekhara Rao-Dean Academics	Members
3	Dr.S.T.Rajmohan-Dean- Admin	
4	I/C-Exam Cell	
5	HOD of the department concerned	Co-ordinator

At University level:

- The student is entitled to apply for revaluation in theory courses by paying the prescribed fee to the University. The University will take up all such applications and revaluates the scripts by competent course teachers.
- However, if there is no improvement earlier marks will be retained.
- The student is also eligible to apply for challenge revaluation in theory courses by paying the prescribed fee to the University. Challenging revaluation is carried out by two course experts in the presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks in that course.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes

The following is the process employed for dissemination of the Learning Outcomes to students and staff:

- Discussions are held with faculty with regard to the importance of POs and their linkage to the professional competence of the students. They are further told to discuss the same with their respective students in the class rooms before they commence their course.
- Organizing workshops regarding PEOs and POs for the senior faculty members with the expert resource persons.
- Student awareness programs on the significance of POs and their contribution to the proficiency of the graduates are conducted once a year.
- Alumni survey is conducted once a year. Before conducting the survey alumni are briefed with regard to the role being played by alumni in defining the POs and their relevance to the overall growth of the professional graduate.
- Recruiters are informed about the importance of POs from industry's point of view. They are requested to give their opinion through a questionnaire which is further used in defining/redefining the POs.
- Members of the professional bodies are invited to the campus for various guest lectures to update the students with regard to the technological developments in industry/R&D establishments. During their visit to the college and also during the visit by our faculty who are members of various professional bodies for the meetings conducted by them, members of professional bodies are provided with a questionnaire seeking their response on the POs (They are briefed about the relevance of POs)

- Parents are informed about the significance of POs and their relevance in improving quality of students of B. Tech program during parent teacher meeting. Parents are invited to provide their feedback/opinions/suggestions on Pos.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students' results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- Students' attendance and their examination results are reviewed in CAC meetings. The methods to improve the performance of the students are discussed and communicated to faculty concerned, students and parents are notified the results and attendance whenever the performance of the student(s) is/are poor they are counseled and their parents are taken into confidence and they are also advised regarding the same.
- Each group of 20 students is assigned to a senior faculty to mentor who will monitor the performance of these students on regular basis. The gaps will be informed to the student, parent, class teacher, course teacher converned.
- The academic performance is monitored by observing the students' performance in the classrooms through discussions, interactions, presentations, seminars, tutorials, and assignments.
- The marks and the attendance of the students are communicated to the students and their signatures are obtained.
- The regularity of the students is monitored by recording presentees / absentees in every class. Daily SMSs are sent to parents regarding their ward's attendance.
- 'Winnou' software and GCTC portal contains the attendance details and examination marks details. The students and the parents can view the same at any time.
- Mentors are continually involved in students' physical and emotional well-being through continuous counseling and offer help wherever necessary.
- Regular tests are conducted, immediately after completing a unit in almost every course. The institution evaluates the students through two internal tests.
- The parents are informed through letters and even telephonically, and parent teacher meeting is conducted twice in a semester.
- To monitor the students' performance during an academic year, a class teacher is appointed in the department for each class.
- The record of the whole evaluation process is transparent. The answer scripts are viewed by the students**.**
- The class teacher arranges to inform the parents about the internal examination marks of the students along with their attendance.

Students' achievements in Inter College technical events for the last four years:

Departments	No. of students participated in technical events	Total Prize Winners (1st / 2nd /3rd - Prizes)
CSE	176	34
IT	31	4
ECE	970	119
EEE	31	10
MECH	12	-
MBA	35	26

JNT University Hyderabad (JNTUH) Rank Holders:

- Geethanjali College of Engineering students secured the following University ranks.

1. Ms. S.B.Venkata Naveena – CSE (R. No: 08R11A0550) - **87.76% (S**ecured **Gold Medal** for being **1st rank** in B.Tech CSE among all affiliated colleges of JNTUH)
2. Ms. A. Naga Sravya - EEE (R. No: 09R11A0201) - **89.06%**(Secured **Gold Medal** for being **Good rank** in B.Tech EEE).

Programme wise pass percentage & comparison with Previous Performance of the Same Institution

Sl. No.	Department Name	Students Pass Percentage			
		2013-2014	2012-2013	2011-2012	2010-2011
1	ECE	94.87	97.74	93.00	93.00
2	CSE	92.56	93.28	93.38	92.00
3	IT	93.85	81.90	80.00	80.00
4	EEE	79.71	79.66	72.00	45.00

Higher education details:

Sl. No.	Program	Students Progress Towards	2014-15	2013-2014	2012-2013	2011-2012
1	ECE	Higher Education	24	10	24	15
		Employment	75	43	94	36
2	CSE	Higher Education	9	20	23	26
		Employment	54	80	87	48
3	IT	Higher Education	15	6	5	8
		Employment	68	38	67	22
4	EEE	Higher Education	4	8	9	-
		Employment	38	11	46	-
5	MECH	Higher Education	06	-	-	-
		Employment	12	-	-	-

2.6.3 How are the Teaching, Learning and Assessment Strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching Strategies:

The following teaching methods are implemented to meet the learning outcomes.

- Learning outcomes are informed to the students on the first day of the year/semester for each course.
- The college follows the academic calendar given by the affiliating university and accordingly plans for lecture and tutorial hours and laboratory hours in all the theory and practical subjects and the same are informed to students.
- The class time tables are prepared in such a way that the required number of periods are assigned for all the theory and practical courses and also include the periods for association/pre-placement training/Library/games and sports activities.
- Special attention is focused on application part of the course and extra content is delivered wherever necessary to meet the desired learning outcomes.
- Multimedia content is also delivered.
- If there are some gaps in the curriculum and the learning outcome requirements, special lectures are conducted by the industry experts / academicians.
- Special classes are conducted by the faculty to fill the known gaps, on need basis.
- IQAC also gives its suggestions for better achievement of learning outcomes.

Peer Learning

Peer-learning is a kind of cooperative learning that increases the interaction among students. There are many added advantages and this kind of learning helps in achieving the learning objectives and outcomes easily. The following are the advantages of peer learning. It improves and inculcates

- Team-building spirit
- Sense of responsibility
- Opportunities to strengthen supportive relationships
- Social competence
- Communication skills
- Self-esteem

Keeping in mind the advantages of peer learning the teaching fraternity of GCET adopted the peer learning process.

Group Learning

Group learning provides adequate skills that are important in professional world. Group learning contributes a great deal to student learning, retention and eventually enables an individual to become successful at the micro level and the institution at macro level.

The following are the various reasons for the college to opt and adopt group learning. Group learning facilitates to

- Simplify complex tasks
- Manage time
- Plan meticulously
- Improve understanding through discussion and explanation
- Develop better communication
- Give and receive criticism or feedback on performance
- Challenge presumptions or assumptions
- Pool knowledge and skills
- Accountability
- Develop new approaches and ways to tackle problems or resolve differences
- Share diverse perspectives

Learning Strategies:

The following methods are taken up to meet the learning outcomes:

- Faculty prepares the course files, lab manuals and other study material to supplement the learning outcomes. The same are made available to students by distributing as CDs in the beginning of the Semester and also available in the digital Library.
- Tutorials are conducted regularly in all courses.
- Assignments are given in each course and the marks are given as a part of internal marks.
- Seminars are given by the students on advanced topics.
- Technical quizzes/group discussions/paper presentations are arranged through departmental technical associations.
- E-learning resources and video courses are made available in the central Library to enhance learning outcomes.
- Industrial visits are arranged to expose the students' to practical pursuits.
- Pre placement training is also made as part of learning to enhance employability.

Assessment Strategies:

i) Direct Assessment Methods:

- **Course-related assessment**
  - Course Assignments/projects
  - Case studies
  - Classroom Assessment including Tutorial Sessions
  - Content Analysis
  - Course-embedded Questions and Assignments
  - Portfolios
  - Essays
  - Theses, research and projects, publications
  - Awards received

- ❖ Standardized assessments, if any
- ❖ Other
  - Transcript analysis
  - Placement record of graduates

ii) Indirect Assessment:

- ❖ **Institutional and Program Surveys**
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduates Surveys
  - Student Satisfaction Surveys
  - Parents' feedback
- ❖ Others
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality jobs, entrepreneurship innovation and research aptitude) of the courses offered?

To enhance the social and economic relevance of the courses offered the measures/ initiatives taken up are:

- NEN and EDC cells organize special training on entrepreneurship to students.
- Institute encourages students for higher education and research activities.
- Students are encouraged to participate in In-house Project exbition / technical events.
- Special courses / training are given to meet the present day needs of the industry.
- College is focusing on these topics: Environmental studies course, data security, cloud computing courses, ethical hacking and non-conventional energy resources.
- College is conducting special research projects like LIDAR, Environment monitoring system etc., to study the social problems like pollution, long term forecasting of weather conditions etc.
- Student research attitude is encouraged by having latest tools in the institute such as CADENCE for VLSI chip design, SCILAB software for circuit analysis.
- Eco club, as a part of Adhira foundation has been organizing many eco-friendly events. The committee works towards creating awareness among students about the dangerous hazards of environmental pollution and by involving them in creating awareness on the tasks to minimize wastage of water, usage of plastics and increase of green cover. The club's motto is "Geethanjalites Go Green (GGG)".

Accomplished tasks:

- "Plastic bags free zone" camp was conducted in September 09. Student and faculty volunteers participated in this camp. Slogans were displayed and all waste material was collected and removed from the campus.
- Awareness program was conducted on the eve of Diwali on November 09, to provide awareness about the hazards of chemical explosives used in crackers and environmental pollution.
- Awareness programme on eco – friendly clay idols of Lord Ganesha was conducted and distribution of idols was done in the college campus.
- Tree plantation and cleaning activity was done from 14-04-2011 to 19-04-2011 at Saithamam, Bommalaramaram (V), Keesara (M).
- Every year, trees are planted for making the campus green. In the year 2012 GCET has organized plantation program in Cheeryal village and planted about 100 saplings.
- Eco Ganesh idols are distributed to all faculty and Non Teaching staff by management every year on the eve of Ganesh chaturthi to create awareness about the dangerous effects of Plaster of paris when mixed with water.

➢ College organizes NSS activities. NSS unit provides social and community service to the nearby villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:

1. Blood Donation Camp
2. Health Camp
3. Dental Camp
4. Tree plantation

- Management encourages students to become entrepreneurs.
- Students are involved in research projects.
- College organizes technical research paper competition for students.
- Campus placements for quality jobs in reputed companies.
- Students are provided pre-placement training during pre-final and final year of the course to help them to secure quality jobs in the industry.
- The college in collaboration with TIME is conducting a program to enhance the latent skills of the students so as to secure quality jobs. The college is supporting this noble cause by paying a part of the training fee. This will allow every student from various sections of the society to get benefited.
- Several seminars/workshops are conducted to create awareness on entrepreneurship by inviting industry experts. Also institute arranges tours to visit various industries in various cities in India.
- Advanced laboratories and innovation centers are established to nurture the creativeness of the students and improve the research aptitude.
- Value added lectures on entrepreneurship skills are conducted.

2.6.5 How does the institute collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

The college collects the data on learning outcomes from all the stake holders by following the procedure given below:

- The students are given a questionnaire on the learning outcomes at the end of course. This forms a valuable source of data on student learning outcomes.
- Exit feedback is taken from the outgoing students every year.
- The feedback from the alumni and also from the employer is collected every year.
- The data pertaining to the graduates seeking higher education and those involved in research is also collected.
- The collected feedback is analyzed and necessary modifications in the curriculum and evaluation strategies are suggested to the affiliating university to meet the desired learning outcomes.

2.6.6 How does institution monitor and ensure the achievement of learning outcomes?

The institution monitors and ensures the achievement of learning system through:
Continuous monitoring and identify the causes for not achieving the different learning outcomes, by IQAC and College Academic committee and necessary steps are taken by giving suitable suggestions to the faculty concerned through the department HODs etc.
The data is collected through the following sources:

- Class monitoring committees.
- student feedback
- Continuous evaluation in both theory and lab courses.
- The Exit feedback, Alumni feedback and Employers feedback.
- Analysis of examination performance in both theory and practical.

Identification of reasons through periodic review meetings and corrective action through:

- Special classes
- Remedial classes for slow learners
- New methods of learning
- Mentoring faculty and students, etc.

2.6.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes.

- The performance of the students both in midterm examinations and end semester examinations in theory and laboratory courses, project works and comprehensive viva are considered as an indicator in evaluating the students performance and also for achieving learning objectives. Further, students are evaluated on continuous basis in the form of conducting tutorials, assignments, class tests etc., to assess the learning outcomes.

- Individual teachers conduct special classes based on the evaluation reports.
- College also uses the evaluation and assessment strategies to check whether objectives of the programme are fulfilled or not. It also monitors the progress of programmes as per vision and mission of the department in particular and the college in general.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- A project titled Design and Development of Multi Wavelength LASER RADAR (LIDAR) is sanctioned by Department of Science and Technology (DST), Govt. of India with an overall budget of Rs.34.58 lakhs.
- We have MOUs with tech Mahindra, Zenopsis tech Pvt Ltd, Dark Horse IT consultancy Ltd, Data 64 cyber solutions Ltd, as incubations centers and give training for students, they also evaluate student performance and offer jobs.
- We encourage students to participate in the exhibition with working models with innovative ideas. Our two teams won prizes in the recently held completion known as "**Devathan**". One team executed a model is "**Automatic SMS generation whenever an vehicle accident occurs**". The other team model is "**QUADCOPTER based pesticide spraying system for formers**".

- **College received the following AICTE grants**:
    - For the Department of ECE, Rs.5 lakhs was sanctioned for a two week FDP on "Advanced VLSI Design"
    - Rs.4.50 lakhs was sanctioned for EDC activities.
    - For the department of EEE, Rs.1 lakh was sanctioned for three day Seminar on "FACT Devices".
- Three B. Tech progammes of the College were accredited by National Board of Accreditation, New Delhi- the first to achieve this distinction among the colleges established in and after 2005.
- College has been awarded the Best College in providing quality services in placements and is also awarded as Best TPO by Tech Mahindra for academic year 2013-2014.
- The college is the recipient of "**Engineering Educator award"** by University of Bradford, UK in association with Education Matters.
- College is recognized as R&D Center by DSIR (SIRO), Govt. of. India.
- College is recognized as NBA training center under OU Nodal center.
- College is an authorized to CISCO Academic Partner.
- College received permanent affiliation from JNTU-Hyderabad.
- College received UGC 2(f) and 12(b) status from UGC.
- College received ISO 9001:2008 certificate.
- College implemented winnou for maintenance of student attendance and result.
- College has developed its own software system to take feedback from students.
- College has **EZ school** software to maintain student and faculty details, student attendance, internal marks, external marks and evaluation etc.

<<<>>>

CRITERION-III

(Research and Consultancy)

CRITERION – III
RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

The institution has a **Research and Development Cell** in addition to the fully equipped R & D lab facilities to facilitate research activities. The faculty is actively engaged in various R&D projects.

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes. The college has in-house R&D Centre.

The Institution is recognized as **Scientific and Industrial Research Organization (SIRO)** by **Department of Scientific and Industrial Research (DSIR),** Government of India, New Delhi. A copy of the certificate is attached as Annexure-g.

Also GCET is in the process of getting approval for recognition as R&D Center by JNTUH.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes.

The institute has a **Research and Development Centre** and a **R&D Consultancy Committee** and it is constituted with the following members:

S.No.	Name of the Staff Member S/Sri/Ms.	
1	Dr. M. Satyanarayana – Director R&D	Coordinator
2	Prof. D. Rama Krishna Rao – Dean R&D	Member
3	Prof. K. Somasekhara Rao – Dean Academics	
4	Dr. D. S. R. Murthy, Head, CSE	
5	Dr. K N Murthy, Dean-Examinations	
6	Dr. P Srihari, Head, ECE	
7	Dr. T. Siva Prasad, Head, Mech	
8	Dr. G Neeraja Rani, Head, S&H	
9	Dr. S. Ramana Murthy, Professor in Mechanical Engineering, Director, Center for Nano-material and Technology	Convenor

Functions of R&D Consultancy Committee:

- To identify thrust areas of research in Engineering Sciences of national importance.
- To identify potential researchers in various departments.
- Encourage constitution of R&D teams in various departments.
- Encourage the research teams to make project proposals for financial assistance from various funding agencies like ***DST, ISRO, AICTE, DRDO, Department of Ocean and Environment Sciences, etc.,.***

- To identify and advise various departments/ R&D center to conduct/ participate in workshops, training programmes on capacity building in terms of research.
- To consider and recommend the faculty members to various research organizations for securing collaborative projects.
- Recommend to organize guest lectures under Institute-Industry-Interaction programmes to promote research on industry needs.
- To consider and recommend faculty in the form of incentives, sabbatical leave, academic leave for improving their qualification and quality of research.
- Advise and recommend for sponsoring faculty and students to present papers at National /International conferences as per the stipulated guidelines mentioned in the Quality Document of the institute.
- To prepare the budget requirements for in-house R & D projects every year.
- To identify the requirements for modernizing the existing laboratories with additional experimental set ups/ instruments and technology for optimum utilization of the labs for research activity.
- To review and identify the required infrastructure and support in terms of technology and computational requirements for achieving excellence in research.
- Promote academic excellence and skills in young engineers/ students and faculty to take up R&D career in different areas of Engineering Sciences.

Impact on recommendations:

- The college provides inhouse R & D grant every year.
- Principal investigators, receiving grants from various funding agencies are provided with necessary infrastructure and other required technical support.
- The college facilitates timely auditing and submission of utilization certificates in respect of sponsored projects by funding agencies
- College conducts frequent awareness programmes to both students and faculty members to encourage them to take up industry/society oriented projects.
- Existing laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- The institute has provided motivational incentives to the faculty who have taken up research programs and working for higher qualification.
- College provides additional incentive to the faculty who secured the sanction of funding for R&D projects by external agencies.
- Faculty is encouraged to publish/ present papers in reputed National/ International Conferences.
- Department of Science & Technology (DST), Government of India, New Delhi has sanctioned R&D Project entitled “Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere” and provided a grant of Rs. 34.85Lakhs for the implementation of project in ECE department over a period of 3 years.
- AICTE has sanctioned an amount of Rs. 5 Lakhs to ECE department under Faculty Development Programme on “Advanced VLSI System Design” of 2 (TWO) weeks duration.
- AICTE has sanctioned an amount of Rs. One Lakh to EEE department under Faculty Development Programme on “FACTS Devices and Artificial Intelligence in Modern Power Systems” of 3days duration.
- Kerala State Electricity Board (KSEB), Thiruvananthapuram has initiated a program on “Cloud Seeding for Enhancement of Precipitation of Clouds over Reservoirs” in the State of Kerala based on the feasibility report prepared and

submitted by the Senior Faculty of Geethanjali College of Engineering and Technology.

- R & D center has organized one day workshop on "Recent Trends in Cloud Seeding Technology and Application" on 12th Nov 2014, sponsored by Geethanjali College of Engineering and Technology.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- Autonomy to the Principal Investigator
- Timely Availability or Release of Resources
- Adequate Infrastructure and Human Resources
- Time-off, Reduced Teaching Load, Special Leave etc. to Teachers
- Support in Terms of Technology and Information Needs
- Facilitate Timely Auditing and Submission of Utilization Certificate to the Funding Authorities
- Any other.

Autonomy to the Principal Investigator

The Principal Investigators who were sanctioned projects from various organizations like DST, ISRO, AICTE, DRDO, Department of Ocean and Environment Sciences, etc.,. are given full liberty in executing the project as per the guidelines of the funding agencies and are also provided with necessary additional grants, required as and when.

Timely Availability or Release of Resources

Principal Investigator maintains separate accounts for each project sanctioned by external agencies and the institute provides facilities for maintaining accounts and ensures timely release of project funds.

Adequate Infrastructure and Human Resources

A project team is formed with additional faculty members to execute the project under the guidance of Principal Investigator/ Co-Principal Investigator. Necessary infrastructure and administrative support are also provided to the project team.

The departments have established labs with necessary software and computing facilities to carryout research projects.

Central Library facilities are enhanced with online national and international journals, digital library, handbooks and reference books related to research activity.

Time-off, Reduced Teaching Load, Special Leave etc. to Teachers

Faculty members working on major research projects are given the facility of reduced teaching work load in addition to sanctioning academic leave for attending the workshops/seminars relevant to their research projects and associated works. Cash awards are given to faculty publishing papers in reputed journals.

Support in Terms of Technology and Information Needs

The institute encourages the faculty and students to utilize the laboratories, Library, computer centre and software for carrying out their research projects. The faculty provides the facility for obtaining the information through interaction with industry and All India Institutes like IITs, NITs and other universities etc.,. and other external resources.

The college also procures necessary equipment for experimental projects, subscribes to research journals to strengthen the Library with latest journals, reference books and text books.

Facilitate Timely Auditing and Submission of Utilization Certificate to the Funding Authorities

After completion of project by the principal investigator, the college arranges for auditing, assists in obtaining the utilization certificate for submission to the respective funding authority.

Any other

A project monitoring and evaluation committee consisting of both internal and external experts is constituted to review and guide the project team for the successful implementation of sanctioned R&D projects.

Arrangements are made for the release of the funds/ resources as required by the project.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The college has established a **Research and Development Center** to promote research and consultancy activities in the campus.

- The senior faculty in the college deliver lectures periodically on various research topics of current interest to develop a scientific temper and research culture among faculty and students. These lectures cover various popular topics of interest and updated information on thrust areas and events of scientific importance.
- Guest lectures by eminent academicians and industrialists are arranged to create awareness and interest among the students and faculty on research.
- Students are encouraged to do their mini and major projects in the college under the guidance of experienced faculty.
- Students are encouraged to interact and discuss with senior faculty and visit the research laboratories to develop curiosity and scientific temper among themselves.
- Students are encouraged to participate in National and International Seminars.
- College conducts National level technical event BHASWARA and TECHEXPO for the students. The event includes Technical Paper Presentation, Project Presentation, Poster Presentation, ROBOT Competitions, Technical Quizzes, Gaming etc.,. to develop the scientific temper and research culture in the students.
- Students are motivated to participate in the inter college/ university competitions.
- College organizes industrial visit for the students to update them with the latest technology.
- Students are encouraged to perform additional experiments that involve creativity and innovation in the lab sessions.
- Students are encouraged to apply and undergo summer research fellowship program available with IIT's.
- Students are allowed to do internship in industries namely BSNL, ECIL, etc.,.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

- College has faculty with rich industrial experience and R&D exposure with adequate academic qualifications.
- With the encouragement and motivation provided by the college, a good number of faculty obtained their Ph.D. degrees and many registered for Ph.D. (Details are presented in table).
- Some of the senior faculty are supervisors for different universities and are guiding research scholars.
- Faculty members are also involved actively in taking up sponsored/ collaborative projects from Central Government and private organizations.
- Utilizing the infrastructure facilities and laboratories that are equipped with latest equipment, the faculty members guide the students in their project works catering the needs of industry.
- Faculty members are motivated to acquire higher qualifications by providing special leaves.
- Faculty are encouraged to act as M.Tech project guide for other institutes namely IETE, IIIT-Nuzividu.

A good number of research scholars are successfully guided by our senior faculty members and the details are given below:

Table 3.1 Details of the Faculty involvement in Research Activity and Guiding Research scholars

S. No	Supervisor's Name	Department	Area of Specialization	Number of Research Scholars		No. of Degrees awarded
				Full Time	Part Time	
1.	Dr. M Satyanarayana	ECE	Opto-electronics	1	3	
2.	Dr. C Venkata Narsimhulu	ECE	Digital Image Processing	-	5	-
3.	Dr. V Satya Srinivas	ECE	GPS and wireless Positioning technologies	-	-	-
4.	Dr. Udaya Kumar Susarla	CSE	Network security and Cryptography	-	4	2
5.	Dr. D. Sree Rama Chandra Murthy	CSE	Network security and Cryptography	-	6	-
6.	Dr. G. Venkata Sudarshan Acharyulu	CSE	Algebraic Approaches to program Semantics	-	3	
7.	Dr. Ratna Deepthi	CSE	Artificial Intelligence	-	1	
8.	Dr. S Nagendra Kumar	CSE	Real – Time Data Mining	-	-	-

9.	Dr Sudha Radhika	EEE	Power electronics	-	-	
10	Dr T Siva Prasad	MECH	Manufacturing Engineering	-	-	-
11	Dr. S T Raj Mohan	MECH	Design of Diesel Engines	-	-	-
12	Dr S Ramana Murthy	MECH	Material Science	-	-	30
13	Dr. M Devaiah	MECH	Industrial Metallurgy	-	-	-
14	Dr. G Neeraja Rani	S & H	Solid State Physics	-	-	-
15	Dr. K. Narasimha Murty	S & H	Boundary Value Problem in Applied Mathematics	01	02	28

A good number of faculty has acquired Higher Qualifications:

No. of Faculty awarded Ph.D.: 2 (Sri M Devaiah, Sri S Nagendra Kumar)
No. of Faculty submitted their thesis for the award of Ph.D.: 1 (IT) + 2 (S&H)

The following faculty members are pursuing their Ph.D. in various disciplines in reputed universities.

Table 3.2 Details of the Faculty submitted their thesis for the award of Ph.D.

S.No	Faculty Name	Dept.	Area of Specialization	Title
1	K Srinivas	IT	Data Mining	Meta Search Engine
2	B. Nagamani	S & H	English Language Teaching	Role of Culture in Second Language Acquisition.
3	G. Renuka Devi	S & H	Linguistic & Phonetics	"Issues in Nlization and UNLization of Telugu language" machine Translation – computational Linguistics.
4	K. Madhumathi	S & H	English Language Teaching	Bridging the gap in English between the campus and the Corporate

Table 3.3 Details of the Faculty Pursuing Ph.D.

S. No	Faculty Name	Dept.	Area of Specialization	Title
1	E V L N Rangacharyulu	ECE	Antenna Design VLSI in Mobile communication	Studies on VLSI in mobile Communication
2	D Venkata Rami Reddy	ECE	Wireless Communications	MIMO-OFDM
3	P Sudhakar	ECE	Radar & LIDAR Signal Processing	Design and development of multi-wavelength laser radars for remote sensing applications
4	J Mrudula	ECE	Digital Communication	Signal Integrity in High Speed Serial Link

5	B SreeLatha	ECE	Fault Diagnosis	Fault Diagnosis of Analog Electronics using Sensitivity Analysis
6	G SreeLakshmi	ECE	Digital VLSI	A Novel Architecture of Decimal Floating Point Multipliers
7	M C Raju	ECE	Communication	Investigation of Decoding Algorithm for Block Turbo Codes
8	T Rama Krishna	ECE	VLSI & Signal Processing	Architecture for DRFM SOC in an ASIC
9	U Appala Raju	ECE	Signal Processing and Communications	Estimation and Detection of Signals and Interference Mitigation in Cognitive Radio System
10	K V S Nagaraju	ECE	VLSI System Design	Low power and Area optimized CMOS Circuit Design pertaining to Digital Applications.
11	Y.Raju	IT	Web Personalization	Web Mining Activities In Case Of Personalization
12	G.Lokeshwari	CSE	Block ciphers Information security	Block Ciphers
13	A.Sree Lakshmi	CSE	Parallel computing on cloud	High performance parallel computing on cloud
14	V. Siva Narayana Reddy	CSE	Data Mining	Enhancing the Web Content in Search Result Method by using Web-Mining
15	S.Tirupathi Rao	CSE	Distributed computing	Cloud Computing Scaling
16	P.Dileep	CSE	Data Mining	Web Mining
17	M. Raja Krishna Kumar	CSE	Image Processing	CBIR
18	N.Swapna	CSE	Network Security & Cryptography	Configuring Visual & Elliptical Curve Cryptography for Robust Encryption
19	M.Srinivas	CSE	Natural Language Processing-WSD	Word Sense Disambiguation based on Word net for Telugu
20	D.Venkateswarulu	CSE	Cloud Computing	Efficient Virtualization in Cloud Computing
21	Deepa Panse	CSE	Cloud Computing	Secure Data Transfer Over Cloud using Mobile Agents
22	G Srikanth	EEE	Power Electronics and Industrial Drives	Max. Torque Control of Induction Motor using Artificial Intelligent Method
23	N V Bharadwaj	EEE	Industrial Drives & Control	Multilevel Inverter Filter Design
24	V. S. Raghava	S & H	English Language Teaching	Translational studies

25	P. Veeraraghava	S & H	Linguistic & Phonetics	Modality in Telugu
26	S. K. Mohammed Ali	S & H	Bio-Physics	Ultrasonic Characteristics of Vegetable and Animal Oils
27	K.Shashikala	S & H	Organic Chemistry	Synthesis of Heterocyclic Compounds –Quinoxalines
28	P. Sreedhar	S & H	Chemistry	Synthesis & Characterization of Conducting Polymers
29	N Subhadra	S & H	Bio-Mechanics	Peristaltic transport of nano-fluid

Excellent High end technical research is carried out by our faculty members in association with various industrial organizations. The details are listed below:

S. No	Funding Agency	Title	Depart-ment	Amount	Status
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	ECE	Rs. 34-58 Lakhs	Completed
2	AICTE	FDP on "Advanced VLSI System Design"	ECE	Rs. 5 Lakhs	Completed (2 weeks program)
3	AICTE	FDP on FACTs Devices and Artificial Intelligence in Modern Power Systems	EEE	Rs. 1 Lakh	Completed (3 Days Programs)
4	DST	Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"	ECE	Rs. 24 Lakhs	Under Progress
5	Consult-ancy from M/s Ananth Techno-logies Ltd.	" Design and Development of Lidar system for image processing and optimization".	ECE	Rs. 38.8 Lakhs	Under Progress

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The institute organizes interdisciplinary and department-wise workshops, training programmes and seminars focusing mainly on capacity building in terms of research and also to create research culture among staff and students.

Most of the technical programs are sponsored by the management to encourage the interaction with outside world. Department wise activity list for the last four years is given below.

Table 3.4 Details of Number Workshops/ training programmes/ sensitization programmes conducted/ organized by the institution for last four years.

Department	AY 2014-15	AY 2013-14	AY 2012-13	AY 2011-12
CSE	1	6	9	7
IT	1	1	-	1
ECE	1	16	18	10
EEE	1	3	6	-
MECH	1	-	-	-

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

All departments are strengthened with qualified and experienced faculty. Based on the research specializations, research groups or individuals take up projects and publish papers in reputed journals. The research areas and the respective faculty expertise are given in the table below.

S. No	Faculty Name	Depart-ment	Area of Specialization
1	Dr. M Satyanarayana	ECE	Opto-electronics
2	Dr. C Venkata Narsimhulu	ECE	Digital Image Processing
3	Dr. Udaya Kumar Susarla	CSE	Network security and Cryptography
4	Dr. D. Sree Rama Chandra Murthy	CSE	Network security and Cryptography
5	Dr. G. Venkata Sudarshan Acharyulu	CSE	Algebraic Approaches to program Semantics
6	Dr. Ratna Deepthi	CSE	Artificial Intelligence
7	Dr. Sudha Radhika	EEE	Power Electronics
8	Dr.T.Siva Prasad	MECH	Manufacturing Engineering
9	Dr. S T Raj Mohan	MECH	Design of Diesel Engines
10	Dr. S. Ramana Murthy	MECH	Material Science
11	Dr. M. Devaiah	MECH	Industrial Metallurgy
12	Dr. G Neeraja Rani	S & H	Solid state Physics
13	Dr. J. Anjaiah	S & H	Material Science
14	Dr. B Prabhakar Reddy	S & H	Fluid Dynamics
15	Dr. Vemula. Suseela Triveni	S & H	Operation research and Health care Administration
16	Dr. P. Mallikarjuna Rao	S & H	Ultrasonic systems
17	Dr. K. Narasimha Murty	S & H	Boundary value Problem in Applied Mathematics
18	Dr. M.Srinivas	MBA	Marketing, Finance and Taxation

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The college encourages faculty and students to invite expert speakers from academics and industries for conducting various technical programs and also to gain good exposure on the latest technologies. Apart from adhering to the academic schedule, departments work actively in organizing the guest lectures and technical symposiums.

The institute also invites eminent researchers for transfer of the information regarding research resources and industry-institute collaborative programmes to meet the industrial needs.
The following members visited the college during the last 4 years.

Table 3.7 Details of eminent researchers / resource persons visited the college during last 4 years. (Guest Lectures)

Department	AY 2014-15	AY 2013-14	AY 2012-13	AY 2011-12
CSE	2	4		
IT	3			
ECE	3	7	6	5
EEE	3	4	3	3
MECH	2			
MBA	1			

The names and organizations of some of the eminent researchers are as follows:

S. No.	Resource persons	Organization	Dates conducted on
1	**1. Mr.M.Naveen**, Director, **2.Mr.Anil**, Sr.Developer,	COIGN EDU & IT Services Pvt Ltd..	11-04-15
2	**Dr.K.V.N.Sunitha,**	Principal, BVRIT.	02-04-15
3	**Mr.M.Dhanajaya Reddy,**	Senior Project Manager, DESHAW Software Pvt Ltd	27-03-15
4	**P.Krishna Reddy,**	Professor, IIT-Hyderabad	23-09-14
5	**Dr. Sameen Fathima**	Professor & Head of Dept CSE ,OU	14-08-14
6	Dr.S.K.Koul	IIT, Delhi	27-10-2014
7	Dr. Anil Kumar Vuppala -	IIIT, Hyderabad	11-09-2014
8	Prof.B.Hari Kumar,	Bandari Institute of Science & Tech.	15-07-2014
9	G.Karthik, P.Vamshi Krishna	INTELLO, Global solutions	Two days (24&25-09-2014)
10	Dr. P. G.Shastri	,Rtd. Prof.NIT Warangal	25-01-2013
11	Engineers(4 members)	Roboquest, Bangalore	12-10-2012 & 13-10-2012
12	Mr. Debosish Patra	CADENCE Tools team	20-09-2012 to 22-09-2012
13	Mr. Syed Noor,Md.Shakir,	ETS, Hyd.	10-09-2012

14	**Mr. P.Ramu**	Consultant Software Architect, M/S logic Designers	19-02-14
15	**Dr.K.Anuradha**	Vice Principal, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
16	**Dr.N.Sandhya**	Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
17	**Dr.B.Anuradha**	Principal , Pragna BharathInstitute of Technology	03-02-14
18	**Prof. M L Sai Kumar**	Professor & Dean,IPE, O.U.Campus, Hyd.	07-01-14

The institution has MOUs with the following industries:

S. No.	Year of MOU	Company Name	Nature of MOU	Field
1	2011	M/S Sitra Infotech Pvt. Ltd.	Standing	SCADA (Supervisory Control and Data Acquisition) Systems.
2	2010	Navanidhi Electronics Pvt. Ltd	Standing	Antenna, Filters, Power Supplies, Servo Electronics and other power electronics equipments.
3	2010	Powertronics Ltd.	Standing	Power Supplies, Batteries Chargers, Inverters and other power electronics related products.
4	2015	Dark Horse IT Consulting Ltd.	Standing	Training the final year students and absorption as employees
5	2015	Tech Mahindra	Standing	As its incubation center
6	2015	Zenopsys Technologies Ltd.	Standing	As its incubation Center
7	2015	IIT, Bombay	Standing	For a executing projects in association with them
8	2015	Data 64 Cyber Solutions Ltd.	Standing	for project based skill development of students through its incubation Center
9	2015	University of Illinois, Springfield, USA	Standing	For Higher Education

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Some of the faculty members have utilized Sabbatical / Study / Academic leave for their activities towards research.

The college has a policy to depute faculty to pursue their Ph.D at reputed Universities/IITs/ NITs enabling them to promote research oriented mind set in the campus.

The college also provides academic leave facility to the faculty who are required to attend the courses at the respective universities where they are doing their Ph.D under external registration to fulfill the prerequisites.

The facility given by the college has contributed to improve the quality of research in the following ways

- Enhanced their knowledge levels in research activity and teaching learning process
- The increase in number of faculty with Ph.D qualification, the image, reputation and higher grade accreditation requirements have been achieved.
- Made the teachers to apply and get research projects from various state and central government organizations.
- Obtained eligibility status for establishing Research Centers in various departments of the college.
- With the expertise in the areas of their specialization, the laboratories are modernized to carry out research activity.
- Giving need based permission for examinations and viva for faculty members who are pursuing higher education/ Ph.D.

Table: Details of the faculty who took special permission for pursuing Ph.D

S.No	Name of Faculty	Department
1	Dr. Mahalaxmi	ECE
2	Dr. Madhavi	ECE
3	Pavan Kumar	ECE
4	T Rama Krishna	ECE
5	C Ramaseshagiri Rao	IT
6	K Srinivas	IT
7	Dr. M Devaiah	Mech

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

Central Library of the college facilitates students with access to student projects, e-books, NPTEL video lectures, national and international Journals etc . In addition students are provided with the e-content through portals of the following:

- **IEEE**
- **ISTE**
- **ELSEVIER**
- **SCIENCE DIRECT**
- **NPTEL**
- **ACM**
- **SPRINGER**
- **DIGITAL LIBRARY**
- **GLOBERINA in association with JNTU – Hyderabad.**

In the laboratories additional design experiments are conducted along with the scheduled experiments, so that they acquire knowledge beyond the syllabus for better understanding of the courses.

Both post graduate and under graduate students are given preference to take up projects related to industrial and societal needs.

All earlier project reports are made available in the library for reference to the interested students.

A research lab of area 96 sq.m. with fully air-conditioned, is established in the 3rd floor of Block 1 for Research activities.

Students are encouraged to participate in project exhibitions; paper presentations conducted both at intra and inter institute level programs.
Our institution has tied up with British Library located near Secretariat, Hyderabad. This facilitates inter Library book loan, using British Library by students and faculty.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

S. No.	Major Expenditures	Budget (in Rupees)				
		2014-15	2013-14	2012-13	2011-12	2010-11
1	Publications of research articles	37,250/-	30,500/-	38,500/-	1,72,932/-	40,000/-
2	Procurement of equipment for R&D	3,78,000/-	64,500/-	4,00,000/-	3,46,493/-	1,25,476/-
	Total	4,15,250/-	95,000/-	4,38,500/-	5,19,425/-	1,65,476/-

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The college provides seed money to the faculty for conducting research activities in the institute on need basis.

The amount that was disbursed to faculty travel, publications, purchase of computer systems etc. is Rs. 2,22,868/- for the Academic year 2014-15.

3.2.3 What are the financial provisions made available to support student research projects by students?

For research projects the students are financially supported on need basis. Students can use college infrastructure during and after college hours.
Amount Spent: Rs. 37,000/-

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The college encourages the departments to undertake inter-disciplinary research and to organize workshops, guest lectures and seminars.

- CSE, Mech and ECE department students combinely developed two working models and participated in the twin cities engineering colleges innovative projects competition (DEVTHON) and won prizes. The details of these projects are:
  1. Spray copter – Problems faced by the farmers to manually spray the pesticides and fertilizers like causing skin diseases, Genetic disorders, Effects children's immune system disorders in regular metabolic activities etc. are overcome by using the SPRAY COPTER which sprays the pesticides and fertilizers at low cost and less labour involvement.
  2. S.T.A.R.S. (Self Triggered Accident Response System): When ever an accident occurs, the delay in deploying emergency services in time become a major factor for the survival of the effected person. By using

STARS equipment, SMS messages are sent to emergency services and to the family members, whenever there are such major accidents.

- ECE Department organized Guest Lecture on "Advances in Operating Systems" which was attended by CSE, IT, ECE students and faculty.
- Science and Humanities department has conducted guest lecture on Mathematical Modeling which was attended by CSE, ECE, IT, MECHANICAL and EEE students.
- ECE in association with MECH department initiated the design and development of "Rectangular Wave Guide Slot Antenna".
- ECE in alliance with EEE department initiated the project based on "Labview".
- CSE department in collaboration with ECE department initiated the project called "Error Free Data Transmission using Zig-Bee"
- ECE in collaboration with MECH department initiated the project related to Electromagnetic Analysis Tool.
- Digital Library access creation in the server for CSE and IT department.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

a. MATLAB software : used by ECE, EEE, and S&H departments.
b. EDC lab : this lab is used by all Departments in the 2nd year 1st semester. 100% lab utilization is achieved for this lab.
c. Special equipment : Spectrum analyzer and Signal generator (1000 MHz) is used by many departments in the institute for their R&D projects.
d. CADENCE tool is used in VLSI lab for the development of IC Circuit Design by ECE and EEE departments.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

YES.

Our institution received grants from many organizations for developing the research facility and also DST sponsored LIDAR Lab is established.

The following are some of the major projects in process, and submitted for approval from the industries.

S. No	Funding Agency	Title	Department	Amount	Status
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	ECE	Rs. 34-58 Lakhs	Completed
2	AICTE	FDP on "Advanced VLSI System Design"	ECE	Rs. 5 Lakhs	Completed (2 weeks program)
3	AICTE	FDP on FACTs Devices and Artificial Intelligence in Modern Power Systems	EEE	Rs. 1 Lakh	Completed (3 Days Programs)
4	DST	Investigation of Linear	ECE	Rs. 24	Under

		Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"		Lakhs	Progress
5	M/s Ananth Techno-logies Ltd.	" Design and Development of Lidar system for image processing and optimization".	ECE	Rs. 38.8 Lakhs	Under Progress

NEN Activity Details:

Sl No.	Name of the event	Description	Date of the event	Chief Guest/ Speaker	Location
1	Entrepreneurship orientation and awareness program	EDC cell inauguration and awareness for Rs. 4.5 Lakhs	Aug 2013 to March 2014	Sri Y Srinivasulu	GCET
2	2 Weeks FDP on Entrepreneurship	Faculty was trained on how to encourage entrepreneurship	23rd June 2014 to 5th July2014	----------	JNTUH
3	Team Member Recruitments (2014-15)	The new members for the Idea Dimension NEN 2014-2015 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	26th July 2014 to August 5th 2014	----------	GCET
4	Induction Ceremony	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2014-15.	7th August 2014	Rahul Krishnan (Guinness World Record Holder)	GCET
5	Webinar 1	The first webinar which was conducted by NEN	20th August 2014	Dr. Rosa	ONLINE
6	NEN Faculty Leaders Consulting Meet	1st NEN Faculty Leaders Consulting Meet	21st August 2014	Vishnu Priya	Kasturbha Gandhi College
7	Webinar 2	The second webinar conducted by NEN	16th September 2014	Rhadika Meenakshi	ONLINE
8	Ad Making	It was a perfect blend of team work and creativity	18th September 2014	----------	GCET
9	Smash JAM	It was one of a kind of event. This was the same old one minute JAM plus a twist of the smash	20th September 2014	----------	GCET
10	Stock Market Basics	It was a workshop on a competition called stock market to be played with a dummy stock market using a blog	24th September 2014	----------	GCET

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

S. No	Funding Agency	Title	Department	Amount	Status
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	ECE	Rs. 34-58 Lakhs	Completed
2	AICTE	FDP on "Advanced VLSI System Design"	ECE	Rs. 5 Lakhs	Completed (2 weeks program)
3	AICTE	FDP on FACTs Devices and Artificial Intelligence in Modern Power Systems	EEE	Rs. 1 Lakh	Completed (3 Days Programs)
4	DST	Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"	ECE	Rs. 24 Lakhs	Under Progress
5	M/s Ananth Techno-logies Ltd.	"Design and Development of Lidar system for image processing and optimization".	ECE	Rs. 38.8 Lakhs	Under Progress

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- The college offers both UG (Under Graduate – B.Tech) and PG (Post Graduate) courses in different streams such that it meets the curriculum and industrial needs including the research and management to develop state of art facility for the benefit of students and faculty members.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- Each faculty room is equipped with computers with special softwares like MATLAB, CADENCE, MultiSim, ANSYS etc.,. and internet connections. All systems in Labs and Department are provided with internet facility.
- Lab on demand from IITs are used in the systems for developing projects.
- Access to **IEEE, ELSEVIER, SPRINGER and SCIENCE DIRECT** in the digital Library is made available.
- R&D Labs are established in ECE department (Lidar lab) and in Mechanical Department (Nano-technology lab)
- Our college has state of the art hardware and software to facilitate research, such as 3 GHz Spectrum analyzer, 3 GHz RF signal generator, OFC and communication kits, MATLAB and Scilab software, etc.

Internet Service Providers:

Apollo Communication (P) Ltd - (22 Mbps)
Excel Media (P) Ltd - (8 Mbps)

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Establishing a full fledged R&D centre.
- Institute makes separate budget allocation every year to enhance the research facilities for procuring advanced equipment in laboratories beyond the syllabus and to procure necessary software.
- Institute encourages students and faculty to promote research environment and provides incentives for publishing journal papers, obtaining research projects from industry and funding agencies.
- Institute is planning to develop Center of Excellence (COE) in each department in specific areas, by establishing a specialized lab categoring the COE needs.
- The departments conduct seminars and workshops for inculcating research culture among students and faculty.
- The institute / departments arrange guest lectures by eminent researchers on emerging and new areas of research.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years.

YES.

In the project titled "Design and Development of Multi-Wavelength LASER RADAR (LIDAR) for Study of Aerosols and Clouds in the Troposphere and Lower Stratosphere" the following test equipments /instruments are purchased:

- 200MHz 2GSPS (Giga Samples Per Second) DSO (Digital Storage Oscilloscope).
- Function Generator.

The following facilities/ systems are built in the project:

- A fully air-conditioned room of area 96 sq.mts. R&D Lab is established in the 3rd floor Block –I building.
- LASER Source working at 4 KHz PRF (Pulse Repetition Frequency) with 50µJoules of energy per pulse.
- PC Controlled 250MHz, 64K Range Gates photon-counter.
- PC Compatible RADAR Controller.
- 36cms Newtonian Telescope with Photo Multiplier Tube (PMT) Detection system.
- 2 PCs are available (One for online data acquisition and control, and one for off-line data analysis).

The following equipment was procured for research activities.

- RF Spectrum Analyzer 9 KHz to 3 GHz, 1 Hz Resolution
- RF Signal Generator 9 KHZ to 3 GHz, 127 to +13 DBM

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Our institution has tie up with British Library located near Secretariat, Hyderabad. This facilitates inter-Library book loan, using British Library by students and faculty referring their books etc. for their project / research work.

Our students are permitted to do the internships/ research activities in the industries mentioned below, with whom we have MOUs.

The institution has MOUs with the industries / organizations like:

- Tech Mahindra
- Zenopsys Technologies Ltd.
- Dark Horse IT consulting Ltd.
- Data 64 Cyber solutions Ltd.
- IIT Bombay
- University of Illinois, Springfiled, USA
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited.

Contacts with various eminent and active Researchers in IIIT, HCU, IIT Hyderabad, IIT Bombay, BITS Hyderabad, CPRI, DRDO, NRSA, etc. facilitate our faculty and students to get help from them and also research work in those organizations.

3.3.5 Provide details on the Library/ information resource centre or any other facilities available specifically for the researchers?

Library

Carpet area of Library	950 Sqm
Reading space	400 Sqm
Number of seats in reading space	250
Number of users (issue book) per day	300-350
Number of users (reading space) per day	150-200
Timings: During working day Sundays Vacation	09.30 a.m to 6.00 p.m 10.00 a.m to 2.00 p.m 09.30 a.m to 5.00 p.m
Number of Library staff	7
Number of Library staff with a degree in Library Management	4
Computerization for search, indexing, issue/ return records Bar coding used	Yes
Library services on Internet/Intranet INDEST or other similar membership archives	
Number of titles: **4,997** Number of volumes: **28,206**	

3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college. For ex. Laboratories, Library, instruments, computers, new technology etc

DST Sponsored LIDAR Lab is established with Pulsed LASER Source and Detection System.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process and product): 1 in process.**
- **Original research contributing to product improvement:**

I. DEPARTMENT: CSE

2014-15					
S No	**Name of the Faculty Qualification Designation**	**Title of the Research Publication**	**International / National Journal**	**Name of the Journal**	**Date of Publication / Presentation**
1.	A Sree Lakshmi Associate Professor	Scheduling of Parallel Applications Using Map Reduce On Cloud : A Literature Survey	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2015
2.	Dr. Nagender Kumar S Professor	Internet Of Things &Smart Home Monitoring: An Impending Perspective	International Conference	International Conference on Advances in Computer Engineering ACE 2014	Dec 27, 2014
3.	Dr. GVS Acharyulu Professor	Four Stage Encryption Generalizations: Partitioned Output Cryptosystem	International Journal	International Journal of Computer and Applications (0975-8887)	Dec 2014
4.	Prof S. Tirupathi Rao Professor	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
5.	P. Dileep Associate Professor	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
6.	P. Preeti Prasada Assistant Professor	Authentication To M-Banking Users	International Journal	International Journal of Engineering Research and Technology	2014
7.	M. Raja Krishna Kumar Associate Professor	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
8.	Mounika Komirelli Assistant Professor	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
9.	Dr. D.S.R Murthy Professor & Head	A comparative Study of Least Square method and the modified Least Square method for Linear Regression	International Journal	International Journal of Advanced Computing	Oct 2014
10.	Dr. D.S.R Murthy Professor & Head	A Modified Least Square method for Linear Regression	International Journal	International Journal of Advanced Computing	Sept 2014
11.	Prof S. Tirupathi Rao Professor	Forwarding Web service Request to a Single Service Instance in Service Oriented Networking	International Journal	International Journal of Computer Trends And Technology (IJCTT) ISSN:2231-2803	Sep 2014
12.	Dr. S. Udaya Kumar Principal & Professor	An efficient image encryption using Merkle-Hellman,	International Conference	2014 international conference on control and Information	Aug 2014

		Elgamaland genetic algorithm for color images		Technology	
13.	G. Lokeshwari Associate Professor	An efficient image encryption using Merkle-Hellman, Elgamaland genetic algorithm for color images	International Conference	2014 international conference on control and Information Technology	Aug 2014
14.	Dr. Nagender Kumar S Professor	An Intelligent System for Continuous Monitoring of Wellness of Inhabitant of Sustainable Future	IEEE Paper	IEEE Region 10 Humanitarian Technology Conference2014	Aug 2014
15.	B. Srinivas Associate Professor	A new approach for estimation of required data from uncertain data by using EM algorithm	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
16.	Ch. V. Anupama Assistant Professor	Proficient Search Algorithm for P2P networks	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
17.	Deepa Panse Associate Professor	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014
18.	P. Haritha Assistant Professor	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014
19.	M. Ashwini Associate Professor	Literature survey on elliptical cryptography for wireless security	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
20.	V. Siva Narayana Reddy Associate Professor	Personalized knowledge-driven search system	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
21.	B. Srinivas Associate Professor	Study of MRSP-A comparison study of Diversity, Relevance, Importance in Ranking	International Journal	International Journal of Engineering Research & Technology ISSN:2278-0181)	July 2014
22.	Dr. D Ratna Deepthi Professor	A Novel Authentication System Using Human Behaviour against Objects	International Journal	International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X	June 2014
23.	M. Ashwini Associate Professor	Load Balancing Through Shortest Path in Regular Mesh Topologies	International Journal	International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS)	

24.	N. Swapna Associate Professor	Best Least Square Solution of Boundary Value Problems Associated with a System of First Order Matrix Differential Equation	International Journal	Electronic modelling	Accepted (In press)

II. DEPARTMENT: MECHANICAL

Sl. No.	Name of the Faculty with Designation	Title of the Research Publication	International Journal/National Journal	Name of the Journal	Date of Publication/Presentation
1	Dr. S. Ramana Murthy (Professor)	Preparation of Polymer+ferrite nanocomposites for EMI applications, Advanced polymer materials from nano length scales	International	Material Science Materials in Electronics	Chapter 4 94-120, 11/2014
2	Dr. S. Ramana Murthy (Professor)	"Multiferroic properties of microwave sintered BaTio3-Srfe 12019 composites Sadhana Katlakuntaa" 448, (2014)323-326	International	Material Science Materials in Electronics	448,323-326, 11/2014
3	Dr. S. Ramana Murthy (Professor)	"Synthesis and characterization of NiCuZnFe204+paraformaldehyde nano composites prepared using mechanical milling process"	International	Material Science Materials in Electronics	456 235-239, 11/2014
4	Dr. S. Ramana Murthy (Professor)	"Structural and Magnetic properties of Zn substituted Nanocrystalline Col-XzNxfE204	International	Material Science Materials in Electronics	Focus 3, 291-299,11/2014
5	Dr. S. Ramana Murthy (Professor)	Effect of Sm3+on dielectric and magnetic properties of Y3Fe5012 nano particles	International	Material Science Materials in Electronics	11/(2014)25-30

6	Dr. S. Ramana Murthy (Professor)	Microwave Hydrothermal Synthesis and Electromagnetic properties of Nanocrystalline Y3-xDyxFe5012 garnets for microwave antenna applications	International	Journal of Chem Tech.	Vol7,No.2,pp 2014-2015
7	Dr. S. Ramana Murthy (Professor)	Metal/Polymer nanocomposites for EMI applications	International	Journal of Chem Tech Research	Vol7,No.2,pp 539-546,2015

III. DEPARTMENT: ECE

S.No	Name of the Faculty	Title of the Research Publication	International Journal/ National journal	Name of the Journal	Date of Publication / Presentation
1.	Dr. V.Satya srinivas	Modelling of Ionospheric Time Delay Using Anisotropic IDW with Jackknife Technique	IJ	IEEE Trans on Geosciences and Remote sensing	Jan 2015
2.	G.Sree lakshmi	Design and Implementation of Wallace tree multiplier using compressors for high speed applications	NC	NCSSS2015	Jan 2015
3.	G. Sree Lakshmi	Design of Modulo 2n+1 Adders	NC	NCSSS2015	Jan 2015
4.	J.Mrudula	Frequency synthesizer for satellite data with reduced clock jitter	NC	NCSSS2015	Jan 2015
5.	B.Suneetha	Frequency synthesizer for satellite data with reduced clock jitter	NC	NCSSS2015	Jan 2015
6.	Dr M Satyanarayana	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	IJ	The International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS	Dec 2014

				Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	
7.	Prof D Ramakrishna Rao	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
8.	P Sudhakar	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India,	Dec 2014

				doi:10.5194/isprsarchives-XL-8-1467-2014.	
9.	P Kalavathi	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
10.	Dr M Satyanarayana	Climatology Of Thin Cirrus Clouds at Gadanki (13.50N,79.20E) Using Ground Based Lidar And Satellite Based Measurements	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-283-2014.*	Dec 2014
11.	Dr M Satyanarayana	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS	Dec 2014

				Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	
12.	P Sudhakar	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	Dec 2014
13.	P Kalavathi	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	IJ	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	Dec 2014
14.	Dr.C.V.Narasimhulu	Design of QSD Number system	IJ	IJEEE, ISSN:2348-	Oct 2014

		addition using Delayed Addition Technique		4748 vol.1, issue 10	
15.	Dr.C.V.Narasimhulu	Robust Model to access consumer appliances using Android	IJ	IJRAT, ISSN:2321 - 9637 vol.2, issue 10	Oct 2014
16.	G. Sree Lakshmi	Finger print and IRIS recognition using cross correlation	IJ	IJARCCE,ISSN -2278-1021,vol.3,issue :9	Sep 2014
17.	T.Rama Krishna	Dynamic Book search using RFID technology	IJ	IJERGS,ISSN:2091-2730,vol.2,issue :6	Oct –Nov 2014
18.	D. Venkata Rami Reddy	Designing an Efficient and high throughput MIMO-OFDM system	IJ	IJVDCS, ISSN:2322-0929, vol.2,issue:9	Nov 2014
19.	B .Sree latha	Design and Implementation of MCU and the Internet communication system based on GPRS	IJ	IJMETMR, ISSN:2348-4845, vol.1,issue:10	Oct 2014
20.	J.Mrudula	Parallel prefix tree 32 bit comparator and adder by using scalabale Digital CMOS	IJ	IJARECE,ISSN :2278-909x,vol.3, issue:10	Oct 2014
21.	T Rama Krishna	Safeguarding of Automobiles using Enhanced GSM-GPS based system	IJ	IJARECE,ISSN :2278-909x,vol.3, issue:10	Oct 2014
22.	K.Somasekhara Rao	Automatic Energy Meter Reading system with instant billing and load control based on GSM technology	IJ	IJSETR,ISSN:2319-8885,vol.3, issue:30	Oct 2014
23.	Ch.Madhuri Devi	Implementation of High Efficient LED Lighting system with security	IJ	IJSR, ISSN:2319-7064,vol.3, issue:10	Oct 2014
24.	G. Pavani	Smart phone controlled two axes robot for video surveillance using wireless internet and raspberry pi processor	IJ	IJRAT, ISSN:2321-9637,vol.2, issue:10	Oct 2014

25	R.Odaiah	Effiecient Robot control system with high security using DTMF	IJ	IJR,ISSN:2348-6848,vol.1, issue:9	Oct 2014
26	A.Shanker	Fabrication of Robot using Raspberry pi with Android WIFI controlled for human and fire detection Alerts	IJ	IJSETR, ISSN:2319-8885, vol.3,issue:33	Oct 2014
27	M.Venkata Sireesha	Automated control system for air pollution detection in vehicles	IJ	IJSETR, ISSN:2319-8885, vol.3,issue:32	Oct 2014
28	K.Somasekhara Rao	Zigbee based speed monitoring and controlling for transport Navigation system	IJ	IJSETR, ISSN:2319-8885, vol.3,issue:21	Oct 2014
29	E.V.L.N.Rangacharyulu	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults",	IC	ICNT	2014
30	B. Sreelatha	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults",	IC	ICNT	2014

IV. DEPARTMENT: IT

S.No	Name of the Faculty with Designation	Title of the Research Publication	International Journal/ National journal	Name of the Journal	Date of Publication / Presentation
1	K.Srinivas Prof.,HOD	A Survey on Web Based page Ranking Algorithms for Information Retrieval	**IJ**	IJTES	Jan 2015
2	Y.Raju Assoc.Prof	A Survey on Web Based page Ranking Algorithms for Information Retrieval	**IJ**	IJTES	Jan 2015

V. DEPARTMENT: EEE

S.No	Name of the Faculty with Designation	Title of the Research Publication	International Journal/ National journal	Name of the Journal	Date of Publication / Presentation
1.	Dr S. Radhika Professor	Cyclone damage detection on building structures from pre- and post- satellite images using wavelet based pattern recognition	International Journal	Journal of wind Engineering and Industrial Aerodynamics, Elsevier publication (**SCI index**)	October 2014
2.	Dr S. Radhika Professor & HOD	Designing of flutter Power Generator from Green Power	National Conference	National Conference on Wind Engineering	November 2014
3.	Dr S. Radhika Professor & HOD	Applications of Remote sensing Images for Automatic Natural Disaster Location Identification	International Conference	APAS Golden Jubilee Science Congress	November 2014
4.	Mrs. D. Radhika Associate Prof.	Power system analysis	International Conference	IEEE Conference, EESCO, conducted by Vignan College of Engineering, Visakhapatnam	January 2015
5.	D.Krishna Asst.Prof., V.Padmaja Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	International Journal	International Journal of Engineering Research and Applications	January 2015
7.	D.Krishna Asst.Prof., V.Padmaja Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	National Conference	National Conference on Developments, Advances & Trends in Engineering Sciences	January 2015

VI. DEPARTMENT: S & H

S.No	Name of the Faculty with Designation	Title of the Research Publication	International Journal/ National journal	Name of the Journal	Date of Publication / Presentation
1	Dr. K.N.Murthy	Qualitative properties of first order linear systems on time scale dynamical systems	International Journal	Non-Linear studies	2014
2	Dr. K.N.Murthy	A new approach to the construction of transition matrix with applications to control systems.	International Journal	Journal of analysis and applications (USA)	2014
3	Dr. K.N.Murthy	Three-point boundary	International	Bull.cal.matri.	2014

		value problems on time scale dynamical systems existence and uniqueness.	Journal	soc. (USA)	
4	Dr. K.N.Murthy	Best least square solutions of boundary value problems associated with a system of five-order matrix differential equation	International Journal	Electronic modeling (USSR)	2015
5	Dr. K.N.Murthy	Three-point boundary value problems on fuzzy differential equations-Existence and uniqueaness	International Journal	Non-Linear analysis and applications (U.S.A)	2015
6	SK. Mahammad Ali	Attenuation of Ultrasound in commonly used vegetable oils at low frequencies	International Journal	Physical, chemical & Mathematical Sciences.	29-10-2014
7	SK. Mahammad Ali	Acoustics impedance studies in some commonly used edible oils	International Journal	Innovative Science, Engineering & Technology	9-11-2014
8	K. Shashikala	Synthesis of 2-cyclopropy 1-3-(5-aryl-1H-pyrazol-3-yl)-1,8-naphthyridine	International Journal	Organic and Medicinal chemistry letters	December 2014
9	K. Madhumathi	Role of Culture in Second Language Acquisition	National(chapter in book titled teaching english to rural students of higher education in india in the context of globalization-Issues, Concerns and Challenges	Teaching english to rural students of higher education in india in the context of globalization-issues, Concerns and Challenges-*Role of culture in Second Language Acquisition'*	Jan -2015
10	Nagamani. Balantrapu	Role of Culture in Second Language Acquisition	National(chapter in book titled teaching english to rural students of higher education in india in the	Teaching English To rural students of higher education in india in the context of globalization-	Jan -2015

			context of globalization- Issues, Concerns and Challenges	Issues, Concerns and Challenges-	
11	Nagamani. Balantrapu	Nature in Anita Nair's The Better Man	National Journal	Luminaire	February, 2015

- **Research studies or surveys benefiting the community or improving the services:**
  - The project titled "Design and Development of Multi-Wavelength LASER RADAR (LIDAR) for Study of Aerosols and Clouds in the Troposphere and Lower Stratosphere" is proposed in 2010 (Funded by DST to an extent of Rs. 35Lakhs) and completed in 2014 and it will be used for the scientific study of aerosols and clouds in the troposphere and lower stratosphere regions of atmosphere.
  - IMD (Indian Meteorological Department), Government of India established an Automatic weather station in our College campus for measuring Temperature, Wind Speed along with direction, Humidity, Rainfall and Atmospheric Pressure in June 2014 and data is being made available regularly on their website.

The following R&D projects are proposed:

S.No	Funding Agency	Title	Department	Amount	Status
1	ISRO	Design and Development of MIMO Radar system at 915 MHz ISM Band for Atmospheric and Communication System studies	ECE	Rs. 26.84 Lakhs	Revised Proposal sent in May 2015
2	Ministry of Environment and Forests Govt of India	Development of Laser based Monitoring systems for compliance management of odorous and hazardous air Pollutants in selected chemical industrial estates at Hyderabad(Project : LAMP)	ECE	Rs.118.5 Lakhs	Proposed in October 2013
3	DST, Govt of India	One Dimensional Zinc Oxide Nano materials Synthesis and Photo-Voltaic Application	MECH	Rs. 34.98 Lakhs	Proposed in December 2014.
4	DRDO	Development of Novel Carbon Nano tube Polymer Nano Composite Materials for EMI Applications	ECE	Rs. 55 Lakhs	Proposed in December 2014.
6	ITRA & ICAR	Smart Biosensors and Instrumentation for Seafood Monitoring through Internet of Things	CSE	Rs 25 laksh (GCET portion) out of	Proposed in January 2015.

				Rs. 2.5 crores	
7	CHESS, Hyd (Center for high energy systems and sciences), Ministry of Defence, Govt. of India	Experimental investigations on Range resolved refractive index structure parameter Cn2 by optical measurements ove a 2 Km free space laser path	ECE	Rs. 41 lakhs	Project report submitted in June 2015
8	Govt. of UAE	Experimental studies on cloud processes for precipitation through cloud seeding	ECE	Rs. 400 lakhs	Proposal sent in April 2015

- **Research inputs contributing to new initiatives and social development**

R&D proposals are made in the following areas which are useful for the societal development.

- Nano Technology
- Surveillance and Security
- Pollution Monitoring
- Atmospheric Effect on Communication Systems
- Mapping Agricultural Chemical Contamination in the Hydrologic Systems
- Smart Biosensors and Instrumentation for Seafood Monitoring
- Detection and measurement of chemical and biological welfare agents

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

No.

However we have a tie up with the Bonfring Publishers. The papers presented in national level conference on "Latest Trends in Signal Processing, VLSI and Embedded Systems" conducted by ECE department are published in e-proceedings of Bonfring Publishers. Further the papers will be reviewed by the Editorial board of Bonfring and best papers will be asked to modify and submit for International Journal Publications. After the committee review, the papers may be published in International Journal and selected will be listed in international database.

3.4.3 Give details of publications by the faculty and students:

- Publication per faculty
- Number of papers published by faculty and students in peer reviewed journals (national / international)

- Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)
- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

S.No	Activity	Year			
		2014-15	2013-14	2012-13	2011-12
1	Publication per faculty	166	124	89	89
2	Publication per faculty and student	61	35	17	-
3	Number of publications listed in International Database	-	-	-	-
4	Monographs	-	-	-	-
5	Chapter in Books	-	-	-	-
6	Books Edited	-	-	-	-
7	Books with ISBN/ISSN numbers	-	-	-	-
8	Citation Index	-	-	-	-
9	SNIP	-	-	-	-
10	SJR	-	-	-	-
11	Impact factor	-	-	-	-
12	h-index	-	-	-	-

3.4.4 Provide details (if any) of

- **Research Awards received by the faculty :**
  - P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana , "Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India" ISPRS TC VIII International Symposium on Operational Remote Sensing Applications: Opportunities, Progress and Challenges, Hyderabad, December 9-12, 2014. [This presentation has been selected as the 3rd best in the Symposium]

- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

  - Dr. M Satyanarayana is a member of Project Management Council (PMC) of ST (Stratosphere and Troposphere) RADAR Project funded by Department of Science and Technology, Government of India, New Delhi.

- Prof. D Ramakrishna Rao is a member of Monitoring and Reviewing Committee (MRC) of MF (Medium Frequency) RADAR Project of NARL ISRO, Department of Space, Government of India.
- Dr. M Satyanarayana is the Chairman of the Expert Advisory Committee on "Weather Modification through Cloud Seeding" being proposed by Kerala State Electricity Board Limited, Government of Kerala, Trivandrum.
- Dr. M Satyanarayana is a Visiting Professor in the Department Opto Electronics, University of Kerala, Trivandrum.
- Prof. E V L N Ranga Charyulu is a member of R&D and Industrial Coordination Sub-Committee, IETE, Hyderabad.
- Dr. Udaya Kumar Susarla won the "Best Teacher" award in Sreenidhi Institute of Science Technology for the year 2001-2002 and for the years 2004-05, 2005-06, and 2006-07. He is the Master trainer, NBA and Chairman of "Restructuring committee" of DEC, Ethiopia.
- Sri.D.Venkateshwarlu , Associate Professor received "Merit Certificate" from the Balaji Institute of Technology & sciences.
- Dr. S Radhika → Recipient of Global COE (GCOE) funding from Japan Government (2009-2012) for Doctoral Studies at Tokyo Polytechnic University Japan & M.Tech Gold Medalist , Amrita Vishwa Vidyapeetham, ISTE, Life Member

➢ **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

- The college deputes its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations.

Incentives for national/international journals/conferences:

S.No.	Name	OD	TA	Incentive
1	National Conference	YES	50%	Rs.1000/-
2	National Journal	-	-	Rs.1000/-
3	International Conference	YES	50%	Rs.1500/-
4	International Journal	-	-	Rs.2000/-
5	Workshop	YES	50%	Rs.500/-

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The organization has constituted Industry Interactive Committee to collaborate with industries and outside organizations and to take up consultancy works.

The Industry Interactive Committee is given below:

S.No.	Name of the Staff Member S/ Sri./ Ms.	
1	Dr.S Udaya Kumar	Chairman
2	K Srinivas – IT	Member
3	N V Bharadwaj – EEE	
4	K Jithender Reddy – ME	
5	U Appala Raju – ECE	

6	N Chandrakanth – CSE	
7	K Arther Paul	
8	A I Prashanth	
9	J Kalyan – MBA	
10	N Chandrakanth – CSE	Convenor

Dr. M Satayanaryana and Shri. D Rama Krishna Rao, Senior faculty of ECE Department are providing technical consultancy to M/S Ananth Technologies Ltd. (ATL), Hyderabad in initiating new development projects in the area of Optics, LASER of the electronics etc.,.

Our institute has arranged for an external visit of Chairman, Corporate, Social Responsibility, IT Industry Mr. Bharani, CEO**, Butler America.** He visited our institution on 25th October, 2014, to advise regarding the establishment of the institute industry interface. He addressed the CSE and IT students to stress the importance on industrial training and internship programs for the students.

In the workshop held by R&D Center on "Recent Trends in Cloud Seeding Technology and Applications" our Chairman Shri. G Ravinder Reddy, Principal Dr. S Udaya Kumar and eminent speakers, Prof. M Anji Reddy, Director R&D, JNTUH, Prof B M Reddy, Emeritus Scientist NGRI, Chairman DST Panel, Prof B V S Amatya, IMD & JNTUH (Retd), Dr. P Srinivasulu, NARL, ISRO and Director of R&D Center Dr. Satyanarayana has delivered lectures on the importance of cloud seeding technology and various applications of it.

Mr. Srinivas Lolla has collaboration with our college, SAIF, CSIR-IICT, Government Polytechnic – Masab tank, and IIT, Bombay for "Fuel Enrichment techniques for higher efficiency and reduced pollution" for which the experiments are conducted by Bio Electrical and Energy Systems(Regd.).

The institution has a Campus Connect program with Tech Mahindra through which the faculty and experts from the company will bridge the gaps in the skills of the students to meet the industrial requirements. Through this program we make the students research oriented, ready for industry placements and mainly improving their technical and thought process.

The institution has MOUs with the industries like:

- Dark Horse IT Consulting Ltd.
- Tech Mahindra
- Zenopsys Technologies Ltd.
- Data 64 Cyber Solutions Ltd.
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The college provides all necessary facilities to encourage faculty to take up consultancy works at institute level. A wide publicity is given by circulating the expertise available with faculty to the industry to provide the required platform for the interaction between the faculty and industry. The income derived from the consultancy of the faculty is being shared with the faculty concerned.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

By sponsoring the faculty to attend important workshops and seminars organized by the leading technology consultants in relevant fields.
Offering monetary benefits to faculty involved in consultancy as per the college policy.
Providing free transport facility to faculty to make field and industrial visits and meet the consultancy demands.
Faculty members are permitted to utilize the infrastructure and lab facility to perform the laboratory tests and utilize the software for solving and analyzing their consultancy projects.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

A. The institute has major consultancy service with M/S TCS to conduct the following:

- Online Bank Exams and other examinations by various organizations
- GATE Entrance Exam
- AIEEE Entrance Exams

The Revenue Generated through the above the consultancy in the last two years is:

- Rs 3,83,390/- for the academic year 2015-16.
- Rs. 8,65,745/- for the academic year 2014-15.
- Rs. 9,30,004/- for the academic year 2013-14.

B. Projects:

- The institute has IMD center.
- LASER Technology, Remote Sensing, Cloud Seeding etc.,.

However, no revenue is generated from the above.

C. Consultancy orders:

The college received an order for providing consultancy services on "Design and Development of Lidar system for image processing and optimization" to Ms/ Ananth Technologies Ltd. For Rs. 38.8 Lakhs. This is under progress.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

A well knot policy exists in the institution in sharing the income generated through consultancy. However, sharing of the income generated depends upon the nature of consultancy provided.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The institute promotes the institution-neighborhood community network through NSS cell of the college. It conducts Blood Donation camp by faculty and students, and organizes various health camps such as Dental Check-Up, Eye Check-Up etc.,. NSS cell also organizes various social camps and organizes visits to old age homes, orphanages,

government schools etc.,. in the nearby villages to make the students to inculcate holistic development and good citizenship in them. The institute organizes open house technical expo and other events for public involvement in the academic activities of the college.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

Geethanjali's motto is to striving towards perfection. The college firmly believes that along with providing quality education, it is very important to inculcate spirit of brotherhood, civic sense and civic skills that are required for sustainable future.Many civic skills are necessary in achieving the motto. Some of the civic skills are

Readiness to study issues pertaining to local, society and wider community at large.

Inclination to identify socio-, economic and ecological dimensions of various issues that are needed to resolve them.

Ability to examine issues and to participate in action intended to achieve sustainable future. Developing these skills is the main focus of any education. With these implications the college conducts various activities to incorporate awareness on the duties of every citizen.

Students are counseled in classroom and in person during mentoring sessions on the following to promote citizenship roles and how such roles help the student in their professional development:

- To participate in various activities, which promote citizenship roles.
- About the importance of taking up such activities so that they acquire holistic education.
- How these activities help in them in establishing a huge network with various persons inside and outside the college and how it helps them in their long professional career.
- How these activities help them in the development of their Organizational skills, Interpersonal skills and Leadership skills, which would pave way for their professional development.
- Sensitize the students about the imperative need to pay back to the society through neighboring community development activities.

The college organizes/celebrates the following events to promote social movement/activities which promote citizenship roles among the students:

- All special days of national and international importance and of social and civic relevance are observed in the College to cite a few namely, Independence Day, Republic Day, Gandhi Jayanthi, etc.
- Students organize "Teacher's day" and distribute greeting cards and gifts to faculty members
- Awareness program on planting of trees etc, is organized on World Environment Day and World Forest Day by the Eco Club.
- All the departments encourage students to involve in activities which stress their role as committed citizens of the society.
- Traditional Day is celebrated on the eve of "Pongal" every year creating awareness on Indian Culture and traditions associated with Indian Culture

- International Women's Day is celebrated every year, showcasing the talents of girl students.
- NSS organizes health camps and health awareness programs.
- NSS organizes "clean and green campus" program every year
- NSS organizes "Blood Donation" camp every year
- Birth Centenaries of famous literary figures/ scientists/mathematicians are celebrated.
- Plays are staged on socially relevant issues.
- Poster competitions are conducted by clubs and departments spreading social awareness among students.
- College organizes Mock United Nations Session of various diplomatic issues of relevance.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The college conducts parents' meets, collects feedback from parents every year and positive suggestions are appreciated and implemented.
- The college takes exit feedback from outgoing batch students, analyses and takes their suggestions.
- The College Academic Committee (CAC) takes decisions and policies keeping in view the perceptions of all stake holders and recommends the same to the Governing Body (GB) for implementation.
- A registered Alumni association of the college has been established which helps the institution in extending their activities like delivering lectures on placement opportunities and provide financial support to meritorious poor students; thus contributes towards overall performance and quality of the institution.
- Feedback is collected from recruiters, Professional bodies, faculty, based on which, the performance and quality of the institution can be assessed.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- College organizes visits to old age homes and orphanages, home for physically and mentally challenged, etc to create awareness and empathy for the suffering.
- Industrial visit to various organizations develop entrepreneurial qualities.
- Students go to neighboring schools and distribute books and uniforms in order to reach out to the under privileged sections of society.
- Exhibitions arranged by the science departments, create awareness in students and the general public.
- The Women Protection and Empowerment Cell arranges classes on glass painting, flower making, beautician's tips and the classes are open to the local women. It also arranges awareness program on Domestic Violence and Women Rights
- Conducts awareness programs about waste management, power consumption, etc.
- The village of Cheeryal was adopted to create awareness about organic farming.
- Campaign for the national objective of Swacch Bharat is carried out.

- The NSS Unit celebrated Environment Day by planting some saplings in the College campus. This initiative was in collaboration with the Environment Club of the College.
- The students cleaned the road side and interacted with school children in the surrounding areas to create awareness on societal cleanliness.
- An awareness program on "Drugs and Related Health Hazards" was conducted for the students.
- Awareness program on "organ donation" was conducted in the college
- An awareness program on using waste water for agricultural purpose was conducted.
- An awareness program on "The need to maintain clean public spaces" was conducted.
- Discussions on various social issues and threats ranging from terrorism to child molestation were held.

The expenditure details for the extension and outreach programmes for the last four years:

S. No.	Major Consultancy Services	Budget (in Rupees)			
		2014-15	2013-14	2012-13	2011-12
1	NSS	26,666/-	33,020/-	48,325/-	50,475/-
2	NEN	-	39,136/-	12,138/-	-
3	Training Programs (TIME, Aspiring Mind, Co-Cubes etc.,.)	4,80,052/-	17,81,500/-	2,87,720/-	-
4	Clubs (Fine Arts, Mathematics, Alfametica, Music etc.,.)	10,700/-	79,373/-	71,789/-	94,928/-
5	Student Chapters (IEEE, ISTE, IETE, CSI, JKC etc.,.)	30,000/-	-	30,000/-	1,49,000/-
	Total	5,47,418/-	19,33,029/-	4,49,972/-	2,94,403/-

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- Students are encouraged to join the service organizations like the NSS, YRC etc at the time of their admission.
- The faculty also are members or supporters of the activities of these organizations.
- Campaigning for membership to join these organizations is conducted at the beginning of the year.
- The faculty coordinators conduct orientation classes to inspire students
- Talks are given by invited speakers about the objectives and benefits of these schemes to inspire and motivate students
- Students are informed how these activities help them in getting holistic education.
- Students are informed how it helps them in developing a large number of contacts and thereby develop a huge network that may eventually facilitate them in shaping their career.
- Students are given special incentives in the form of facilitating them to borrow more number of books from the library.

- Faculty members are given appreciation letters.
- Faculty contributions towards these activities are included in the annual Faculty Appraisal.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Most vulnerable groups depend on natural resources for their sustenance. Over exploitation and development of pressures often erode these resources making these communities (ST) more vulnerable and threatened leading toward livelihood insecurity.
Climate Change: The impacts of climate change will fall disproportionately on the vulnerable due to their dependence on natural systems for their livelihoods, which will lose their productive capacities in the absence of appropriate scientific and technological interventions. Science & Technology inputs will be needed for both vulnerable communities' and ecosystems adaptation. In addition, Science & Technology application can allow the vulnerable communities to participate in and benefit from developmental co-benefits of climate change mitigation efforts.

- The college through its NSS cell arranges legal awareness classes every year empowering the vulnerable and underprivileged students.
- The Women Empowerment and Protection Cell of the college regularly organizes classes on various activities such as painting, flower making and arrangement, and beautification tips to the local woman community.
- The Women Empowerment and Protection Cell of the college arranges awareness programs on "Laws against Domestic Violence".

Social surveys are conducted in relevant fields:

- The faculty of English conducted a survey on learning disability of rural children. Remedial classes were arranged for students identified with the disability.
- Faculty of English facilitate students of underprivileged with spoken English classes.
- Survey on the influence of financial status and parental influence on academic behaviour of students was done by the college and the issues are addressed.

Through NSS activities we create awareness in the villagers about the environment and its effect on health.

We have executed a DST funded LIDAR project (total cost of Rs. 35Lakhs). Making use of this LIDAR we can study the troposphere region for aerosols number density and their size distribution. This enables us to measure the concentration of the pollutants and their dispersion in the atmosphere. This study gives an idea of Suspended Particulate Matter (SPM) and air quality in the Cheeryal village area.

In addition to this we have an Automatic Weather Station setup by IMD for measuring temperature, atmospheric pressure, wind speed, wind direction, rainfall etc.,. in the college premises. This information can be used by the villagers for their agricultural operations.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The Institution imparts education focused on developing socially committed and responsible individual compassionate towards the under privileged and marginalized sections of the society. The opportunities of participating in various extension and outreach activities organized by various departments and clubs enable students to play an active social role. Through these activities, students are sensitized

- About issues of social importance
- On secular ideals, social consciousness, and awareness of cultural heritage, which are promoted when special days, religious festivals and days of national importance are observed.

Further, classes are arranged for developing leadership and decision making skills to equip students to face the challenges of the world.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- NSS camps are conducted in rural villages and activities like cleaning and construction are arranged with the help of local community leaders and gram panchayats.
- College with the help of student and faculty volunteers, hundreds of tree saplings were planted in the campus and also in Cheeryal village.
- Counseling sessions and medical camps have been organized in the college and also in the village with the assistance of hospitals and YRC.
- Training programs have been arranged for the women of the local community on certain skills empowering them to have a livelihood.
- College has adopted Cheeryal village and promotes several activities.
- Special training was given to the High school students of the Cheeryal village on computer hardware and basic software

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

S.No	Name of the Organization	Relationship
1	Anurag Group of Institution	Exchange of Lab evaluators and Project evaluators.
2	Sreenidhi Institute of Science and Technology (SNIST)	As SNIST is an autonomous institute, we set question papers for their external examinations, do evaluation and our senior faculty are deputed as M.Tech Evaluators.
3	Military College of Electrical and Mechanical Engineering	M.Tech Thesis Evaluator
4	JNTUH	Spot valuator, observers to other colleges as per JNTU- H instructions.
5	VBIT, Malla Reddy group of Institutions, CMR group of Institutions, etc.	Project Evaluation.

6	Sreenidhi Institute of Science and Technology (SNIST)	NSS activities – "Bachapan Bachavo' was taken up combinely.

3.6.10 Give details of awards received by the institution for extension activities and/ contributions to the social/ community development during the last four years.

- University of Bradford, UK, and Education Matters presented **The Engineering Educators Award** to our organization for exemplary commitment and impactful positive contribution to the education sector.
- Geethanjali College of Engineering & Technology has been awarded as the best college in providing quality services in placements and also awarded as best Training & Placement Officer by Tech Mahindra for the Academic Year 2013-2014.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- IMD (Indian Meteorological Department), Government of India established an Automatic weather station in our College campus for measuring Temperature, Wind Speed along with direction, Humidity, Rainfall and Atmospheric Pressure in June 2014 and regular data is being made available on their website.
- We have tie up with British Library, Hyderabad city for exchange of books and utilization of their Library facilities for our students / faculty.
- Through Guest Lectures, Workshops, FDPs organized under IETE, ISTE, IEEE etc., the lectures are given by various academicians and industry experts to improve the research oriented thinking and promote the institute industry research activities.
- Faculty and students can make use of the software and hardware available in the college for performing their research project works.
- Through IUCEE (Indo US Collaboration for Engineering Education) Virtual Academy for some courses webinars are provided for the students.
- Our ECE final year students visited University of Hyderabad for testing the parameters of the Antenna Designed for their project completion in March 2014.
- GCET faculty in collaboration with IETE, guiding the M.Tech projects at IETE.
- The institution has a Campus Connect program with TechMahindra through which the faculty and experts from the company will bridge the gaps in the skills of the students to meet the industrial requirements. Through this program we make the students research oriented, ready for industry placements and mainly improving the technical and thought process.
- Some faculty in ECE department of the college are part of a collaborative research team consisting of University of Kerala, Trivendram, Natioanl Atmospheric Research Laboratory (NARL), Gadanki, Tirupathi, of ISRO, Department of Space, Government of India and GCET. GCET faculty and M/S Ananth Technology Ltd. have a collaborative R&D programme in the development of systems for DRDO.

Benefits :

- Collaboration with industries and external research laboratories provide student industrial visits and also internship opportunity for the students for doing their mini and major projects.

- Improved Teaching Learning Environment.
- Industry oriented B.Tech and M.Tech projects.
- Improved R & D consultancy activities
- Improved Placement & Training.
- Exposure to students on practical and Industrial aspects through Industrial tours.

3.7.2 Provide details on the MoUs / Collaborative arrangements (if any) with institutions of national importance/ other Universities/ industries / Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institution has a Campus Connect program with Tech-Mahindra through which the faculty and experts from the company will bridge the gaps in the skills of the students to meet the industrial requirements. Through this program we make the students research oriented, ready for industry placements and mainly improving the technical and though process.

The institution has a tie-up with the TIME institute. Through this program we prepare the student for the interviews and improving the soft skills in them.

The institution has MOUs with the industries like:

- Dark Horse IT Consulting Ltd.
- Zenopsys Technologies Ltd.
- Data 64 Cyber Solutions Ltd.
- Avanth Technologies for consultancy services
- Collaboration with IICT and IIT Bombay for Thermal engineering project.
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited.

Regular meetings are being conducted involving the above organizations and the suggestions given by them are being implemented. Also, faculty and students are being deputed to these organizations for on the job training and internship programs.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / Library/ new technology / placement services etc.

Cadence: M/s Cadence conducted a two week FDP on Cadence software. Based, on this, GCET in association with Cadence developed a VLSI lab using Cadence software with license for 24 users. This lab is being used by M.Tech and B.Tech final year students and also for their project works, extensively.

Physictech: GCET has good relation with M/s Physitech and they supplied most of the equipment in ECE and EEE department labs. Also, Physitech conducted SDP/ TSDP program for technical staff. A few of our students are taking up major projects in this organization.

TIME: M/s TIME provides CRT training to 2nd, 3rd and 4th year students on regular basis. This will help in improving soft-skills for placements.

Meteorological department has set up a weather station in the college for collecting data regarding the weather conditions. This data is being used for weather forecasting

3.7.4 Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Some of the eminent scientists / participants who contributed events:

- Prof.Dr.A.Govardhan, Director of Evaluation, JNTUH
- Prof.C.Radhakrishna, Scientist, CCMB
- Prof. M L Sai Kumar, Professor & Dean,IPE, O.U.Campus, Hyd.
- Dr. Anatha Charan Ojha, Professor, ICFAI
- Dr.M.N.V.K.Prasad,Asst.Prof,IDRBT,Hyd
- Prof. M.L.Sai kumar, IPE, OU, HYD
- Prof.Dr.Udgata,University of HYD
- Mr.GnanaSeelan, Manager, CDAC
- Dr Sameena Fathima, Professor & Head of Dept CSE, OU
- P.Krishna Reddy, Professor,IIT-Hyderabad
- Prof. Dr.O.B.V.Ramaiah, Head CSE, JNTUH
- Mr.Narayana, Director Honeybee Technologies, Coimbatore.
- P.Krishna Reddy, Professor,IIT-Hyderabad
- Dr. Rajeev Wankar, Assoc.Prof, Hyderabad Central University
- Dr. B. Padmaja Rani, Assc Prof, CSE,JNTU
- Prof.Rameshwar Rao,VC,JNTUH.
- Prof.Dr.Padmaja Rani, Prof CSE, JNTUH.
- Prof.Dr.C.Raghavendra Rao, Prof, HCU.
- Mr. Srinivas Kongara LeadManager,Infosys, Mysore
- Mr. N.V. Ramana CEO, Jayam Solutions, Pvt.Ltd.
- Prof. Dr. DVLN Somayajulu, Dept of CSE, NIT,Warangal
- Prof. Dr. Sarma, Dept of ECE, NIT,Warangal
- Mr. P.A.Pratap,Project Manager(kota),NFC, ECIL
- Prof.V. Viswanatham, Retd. Prof. OU
- Prof.Dr.B. Sumitha Roy, Prof, OU
- Prof.Dr.P.S. Sharma, Vice Principal, CBIT
- Dr. T.Venu Gopal, Sr. Asst.Prof. JNTU
- Dr.Suresh Pabboju, Prof. & Head (ITD),CBIT
- Mr.K.S.Madhavan, Senior Manger, BHEL, Hyd
- Dr.Y.Rama Devi, Professor(CSED),CBIT
- P.Chandra sekher Technique Design Group,Hyderabad
- B.Anand Subramanyam Control Tech, Hyd.
- A.Sarveswara Rao DMRL ,Hyderabad
- Dr.S.K.Koul, IIT, Delhi
- Dr. Anil Kumar Vuppala –IIIT, Hyderabad
- Prof.B.Hari Kumar, Bandari Institute of Science & Tech.
- Dr.V.M Pandari Pande, Professor & Vice Chancellor of Dr. BAMU, Ahmedabad.
- Dr. PVD Somasekhar Rao, Professor of ECE, JNTUH.
- Dr. K Srinivas Rao, Professor of ECE, CBIT, Hyderabad.
- Sri Sai Ram. IITH, Hyderabad.
- Dr. NVSN Sarma, NIT, Warangal.
- Dr. Raghavendra Rao, Scientist 'G', RCI.
- Dr. V Sarala, Scientist 'F', RCI.
- Dr. M Chakravarthy, Scientist 'G', DLRL
- Dr. SVSSNGK Murthy, DIAT, Pune.
- Dr.P.Narahari sastry, Professor-ECE-CBIT
- Dr. K. Venugopal, Professor,GNIST, Hyderabad

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated

a) Curriculum development/enrichment

The institution has a Campus Connect program with Tech-Mahindra through which the faculty and experts from the company will bridge the gaps in the skills of the students to meet the industrial requirements. Through this program we make the students research oriented, ready for industry placements and mainly improving the technical and thought process.

The institution has MOUs with the industries like:

- Dark Horse IT Consulting Ltd.
- Zenopsys Technologies Ltd.
- Data 64 Cyber Solutions Ltd.
- Avanth Technologies for consultancy services
- Collaboration with IICT and IIT Bombay for Thermal engineering project.
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited
- University of Illinois, Springfield, USA

The representatives of the above organizations are being invited to our departments coordination meetings and the suggestions given by them with regard to the curriculum are being implemented to the extent possible.

b) Internship/ On-the-job training: We are in the process of providing Internship / on-the-job training to our students.

c) Summer placement: Various industries are contacted to provide summer placements.

d) Faculty exchange and professional development:

College organizes various guest lectures by eminent speakers from industries and research organizations. The college also sponsors and conducts FDPs, Workshops for exchange and professional development.

e) Research

The instituition has collaborative research with University of Kerala and National Atmosphere Research Laboratory (NARL), Gadanki, Tirupathi, ISRO/ Department of Space.

The following are the research projects which are executed and are in progress:

S.No	Funding Agency	Title
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere
2	AICTE	FDP on "Advanced VLSI System Design"
3	AICTE	FDP on FACTs Devices and Artificial Intelligence in Modern Power Systems
d	DST	Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath
5	M/s Ananth Technologies Ltd.	Design and Development of Lidar system for image processing and optimization

f) Consultancy

The college is providing consultancy services on "Design and Development of Lidar system for image processing and optimization" to Ms/ Ananth Technologies Ltd. For Rs. 38.8 Lakhs.

g) Extension: Geethanjali has good extension activities for interaction of industry and society, promotion of the entrepreneurship and job creation etc..

h) Publication

The institute encourages the faculty to publish their research outcome results in journals and conferences.

INTERNATIONAL JOURNALS

[1] P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana "Imaging Lidar System for Night Vision and Surveillance Applications" submitted to IEEE Geoscience and Remote Sensing Letters for publication on 15.02.2014

[2] Dr M. Satyanarayana, Prof D. Ramakrishna Rao, P Sudhakar et. al: *"Lidar Investigations on the Optical and Dynamical Properties of the Cirrus Clouds in the UTLS Region at a Tropical Station Gadanki, India (13.5^{O}N, 79.2^{O}E)"*. Journal of Appl. Remote Sens. 2014

[3] P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana *"Lidar system for Application to Boundary Layer"* International Journal of Systems & Technologies, January 2014.

[4] Dr M. Satyanarayana, Prof D. Ramakrishna Rao, P Sudhakar et. al: *"Investigations on the physical and optical properties of cirrus clouds and their relationship with ice nuclei concentration using LIDAR at Gadanki, India (13.5^{O}N, 79.2^{O}E)"*. Journal of Appl. Remote Sens. 5, 053567 (2011)

NATIONAL / INTERNATIONAL CONFERENCES

[5] P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana *"Laser Remote Sensing and Applications"*. 3rd National Conference on Emerging trends in Signal Processing and Embedded Systems, Geethanjali College of Engineering & Technology, June 20-21, 2014

[6] P. Kalavathi, P Sudhakar, D. Ramakrishna Rao and M Satyanarayana *"Lidar Signal Processing- Inversion technique for Aerosol Profiles"*. 3rd National Conference on Emerging trends in Signal Processing and Embedded Systems, Geethanjali College of Engineering & Technology, June 20-21, 2014

[7] P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana *"Lidar system for Application to Boundary Layer"*. National Conference on Advanced Signal Processing Applications (*NCASPA-2013*), KL University, Vijayawada, December 20-21, 2013

[8] Dr M. Satyanarayana, Prof D. Ramakrishna Rao, P Sudhakar et. Al: "studies on upper tropospheric aerosols using lidar over the inland tropical station gadanki (13.5^{0} n, 79.2^{0} e), India" 4th International Conference on Climate Change: Impacts and Action , LONDON, Dec 2012.

[9] P Sudhakar, Prof. D. Ramakrishna Rao, P. Kalavathi, and Dr M. Satyanarayana *"Advanced Night Vision Lidar System"* International Conference on Navigation and Communication (NAVCOM - 2012) NERTU, Osmania University, Hyderabad.

[10] P Sudhakar, Prof. D. Ramakrishna Rao, P. Kalavathi, and Dr M. Satyanarayana *"Inversion solution for Lidar Data Processing"* International Conference on Innovations in Electronics and Communication Engineering (ICIECE 2012).Gurunanak Institute of Technology, Hyderabad, July 20-21, 2012

[11] P Sudhakar, Prof. D. Ramakrishna Rao, P. Kalavathi, and Dr M. Satyanarayana *"Design and Development of compact aerosols and cloud lidar and simulations on the possible scientific studies"*. National Space Science Symposium, SV University, Tirupati, February 14-17, 2012

[12] P. Kalavathi, Prof. D. Ramakrishna Rao, P Sudhakar, and Dr M. Satyanarayana *"Signal Processing for Atmospheric Wind Profiling Radars"* National Conference on Emerging trends in Signal Processing and Embedded Systems, Geethanjali College of Engineering & Technology., Cheeryal (V), Keesara (M), R.R DIST February 9-10, 2012

[13] Prof. D. Ramakrishna Rao, P Sudhakar, P. Kalavathi, and Dr M. Satyanarayana *"Intricacies of data acquisition and processing systems of atmospheric radars and lidars"*. National Conference on Role of Radars in Atmospheric ad ionospheric studies, KL University, Vijayawada, January 4 -5, 2012

[14] P. Sudhakar, Dr S. Ramamohana Rao, Prof D. Ramakrishna Rao "Review of Fractal Image Compression Techniques". National Conference on Emerging trends in Signal Processing and Embedded Systems, Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), R.R DIST February 25-26, 2011

i) Student Placement

Academic year	No. of Companies visited	Total placement	ECE	CSE	IT	EEE	Mech	MBA	MCA
2011-12	20	146	35	37	22	46	-	4	2
2012-13	69	317	94	80	67	11	-	60	5
2013-14	27	206	59	56	38	45	-	8	-
2014-15	47	267	75	51	68	27	32	14	-

- **Twinning programmes:**

At present, this facility is not available in our affiliated University.

k) Introduction of new courses

Year	Description	Intake
2005-06	**College was established offering the following programs of study:** B.Tech : Electronics & Communication Engineering B.Tech : Computer Science & Engineering B.Tech : Information Technology B.Tech : Electrical & Electronics Engineering	 60 60 60 60
2006-07	**New Programs added:** Master of Business Administration Master of Computer Application	 60 60

2007-08	**Intake strength increased in the following programs:** B.Tech : Electronics & Communication Engineering B.Tech : Computer Science and Engineering	 120 120
2008-09	**Intake strength increased in the following program:** B.Tech : Information Technology	 120
2010-11	**New Programs in Engineering added:** M. Tech. : Embedded Systems M. Tech. : Electronics and communication Engineering	 18 18
2011-12	**New Programs in Engineering added:** M. Tech. : Computer Science and Engineering B.Tech : Mechanical Engineering	 18 60
2012-13	**New Programs in Engineering added:** M. Tech. : VLSI M. Tech. : Software Engineering **Intake strength increased in the following programs:** B.Tech : Computer Science and Engineering B.Tech : Electronics and communication Engineering	 18 18 180 180
JULY 2012	NBA Accreditation team visit Accreditation granted for two years w.e.f July 01, 2012	
2013-14	**New Programs in Engineering added:** M. Tech. : Computer Science M. Tech. : Machine Design **Intake strength increased in the following programs:** M.Tech. : Computer Science & Engineering M.Tech. : Embedded Systems B.Tech : Computer Science and Engineering B.Tech : Electronics and communication Engineering B.Tech : Mechanical Engineering	18 18 30 30 240 240 120
January 2014	Granted **"Permanent Affiliation"** by JNTU Hyderabad	

l) Student exchange: At present, this facility is not allowed by the affiliated university.

m) Any other : -

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

With the expert academic and industry team members in the college, initiatives are taken for establishing collaborations / linkages with various industries / institutes right from the start of the establishment of GCET. Due to these efforts, the following collaborations / MOUs were established.

- Dark Horse IT Consulting Ltd.
- Zenopsys Technologies Ltd.
- Data 64 Cyber Solutions Ltd.
- Avanth Technologies for consultancy services
- Collaboration with IICT and IIT Bombay for Thermal engineering project.
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited
- University of Illinois, Springfield, USA

Any other relevant information regarding Research, Consultancy and extension which the college would like to include.

- Establishment of two special R&D labs – LIDAR Lab and NANO TECHNOLOGY Lab.
- College has been recognized as SIRO by DSIR.

<<<>>>

CRITERION-IV

(Infrastructure and Learning Resources)

CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The college has established policies and procedures to create and continuously enhance the infrastructure in the form of human resources (Faculty, Technical, Administrative staff), laboratory equipment, built-up place, learning resources (print and electronics aids) by keeping the following objectives in view to promote Teaching Learning process directly and indirectly.

- To provide good, sufficient and well ventilated academic and supporting spaces for effective teaching and learning.
- To have conference halls, meeting rooms, faculty cabins, digital Library for effective teaching and learning.
- To use ICT for academic purposes including teaching and learning.
- To provide access to internet to students and faculty members.
- To develop class rooms, tutorial halls, departmental and central Library and content to meet the changing requirements of teaching and learning.
- To develop labs as per curriculum requirement and also beyond the curriculum.
- To promote learning materials like Charts, Write Ups, Multimedia, Models, and Virtual labs for enhancing teaching and learning.
- To provide amenities like Canteen, Transport, Play grounds etc.

The need analysis of the required infrastructure is planned by various academic departments and annual budget is prepared. After getting approval from the Management, it will be deployed to the departments and they are made available to faculty and students to carry curricular and non curricular activities.

4.1.2 Detail the facilities available for

a) **Curricular and Co-curricular Activities** – class rooms, technology enabled learning space, seminar halls, tutorial halls, discussion rooms, laboratories, specialized facilities and equipment for teaching, learning and research etc.

b) **Extra-curricular Activities** – Sports, outdoor and indoor games, gymnasium, auditorium, NSS, cultural activities, public speaking, communication skills development, health and hygiene etc.

a) Curricular and Co-curricular Activities

Classrooms:

- The college has 51 class rooms which are well-furnished, well ventilated and spacious for conducting theory classes.
- All the classrooms are ergonomically designed so that proper ventilation, lighting is provided with good acoustics.
- Better Aspect ratio is maintained for proper visibility of black board and audibility.
- All the classrooms of individual departments are at close proximity in order to have better access to the students.
- These class rooms are provided with OHPs, screens, fans and LAN cables.

Technology enabled learning spaces:

- The college has Two E-Classrooms to facilitate active learning.
- Each E-Classroom has a seating capacity of 60 with LCD Projectors, Wi-Fi and LAN enabled internet connectivity, public addressing system etc.

Seminar Halls:

- The college has five seminar halls to conduct seminars, conferences, guest lectures, workshops and symposia for students and faculty.
- Each seminar hall has different seating capacity and is fully air conditioned. These are equipped with LCD Projector, Computer with internet connection, White board and public addressing system.

Tutorial Halls:

- The college has 14 tutorial halls to conduct tutorial classes to address the doubts and queries, to conduct remedial classes for academically weaker students.
- All the tutorial classes are equipped with black board, benches, fans and tube lights.

Laboratories:

- All laboratories are fully equipped and well maintained not only for carrying out experiments of curriculum oriented but also to conduct research activities.

Specialized facilities and equipment for teaching, learning and research:

- Apart from the central Library, each department is having separate Department Library with good collection of Text books.
- E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual class room learning.
- Digital Library is accessible on LAN (Intranet) which gives lot of information regarding the course material.

b) Extra-curricular Activities

The campus is spread over 10 Acres of land which facilitates excellent infrastructure for teaching learning process, career progression and higher education. The campus main building called Block-1 accommodates Principal office, Administrative office, Examination section, Training and Placement center and the departments of EEE, ECE, CSE and IT. There are two other buildings in the campus called Block-2 and Block-3. Block-2 accommodates the Department of Science & Humanities, Gymnasium, Indoor games hall and Entrepreneur Development Cell. Block-3 accommodates the Department of Mechanical Engineering, Dept. of MBA and Civil Engineering Department. Library is housed in an exclusive building and so also the canteen.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

The college develops the infrastructure as per the norms of AICTE, University and the State Government. The authorities from the regulatory bodies regularly visit the college. This enables the institute to ensure the infrastructure adequacy and optimum use for academic growth.

Facilities developed in the last four years and the amount spent:

Items	Expenses in 2013-14	Expenses in 2012-13	Expenses in 2011-12	Expenses in 2010-11
Acquisition of land, new buildings and infrastructural built-up	**37.01.582**	**36,88,859**	**2,17,00,502**	**2,44,33,743**
Library Books& Equipment	**7,92,424**	**4,40,152**	**6,59,929**	**8,51,291**
Library E-Journal, Print Journal&Magazines	**5,52,895**	**4,08,000**	**15,04,597**	**6,97,648**
Laboratory Equipment & Software	**38,00,798**	**57,78,100**	**42,13,961**	**34,20,687**
Games and Sports	**91.397**	**1,03,815**		**19,735**
Vehicles Purchase	**66,00,000**	**2,44,944**	**79,78,001**	**59,13,576**
Furniture	**10,23,764**	**20,61,772**	**32,33,019**	**48,79,374**
Generator Purchase	**-**	**--**	**-**	**10,50,000**
Administrative and Other Expenditure	**13,94,70,999**	**12,79,11,392**	**8,71,17,338**	**7,00,34,682**

The institution has a Master Plan which is improved from time to time to keep pace with its academic growth. New infrastructural developments are done when new programs are started and the facilities of the existing programs have to be augmented. The infrastructure facility is optimally used for the needs of the students and staff on all working days of the week. Besides, certain facilities such as seminar halls are utilized for

the conduct of workshops, faculty development programs, guest lectures, examinations, etc. and computer labs are used for conducting TCS online examinations on weekends.

Future Plans for Development:

- Facilities to upgrade PG labs to research centers
- Upgrading of science and engineering labs
- Renovation of girls' rest room
- ICT enabled facilities in all class rooms
- Upgrading all computer labs in all departments
- Providing a laptop for each faculty member
- Harvesting alternate energy sources by installing solar Panels
- Construction of more seminar halls and class rooms
- More effective water harvesting in the campus
- Converting a partially enabled Wi-Fi campus to a complete Wi-Fi campus

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college is sensitive to the special requirements of the physically disabled students and has made provisions to conduct the classes on the ground floor, but no such cases are found. For students with special needs, the faculty extends their utmost support and facilitates the student's learning. Ramps with holding side bars, are provided for easy movement of wheel chairs.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility** – Not available
- **Recreational facilities, gymnasium, etc.** - Available
- **Computer facility including access to internet in hostel –** Computer facility is available.
- **Facilities for medical emergencies –** Available
- **Library facility in the hostels –** Not applicable.
- **Internet and Wi-Fi facility -** Available
- **Recreational facility-common room -** Available
- **Available residential facility for the staff and occupancy –** Not available
- **Constant supply of safe drinking water –** Yes.
- **Security -** Yes

The college does not have hostel Facility. It may be noted that the college is less than 8 KM from the city. A very large number of students do not prefer to stay on campus as they are all from Hyderabad city. College provides transport to all these students for their safe commute to and back from college. However, the management is planning for this facility in future. Certain private Hostels are available in the close vicinity of the college.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- The college conducts general medical check-up for the students, staff and faculty. Eye camps, dental camp and health survey etc. are conducted by NSS unit.
- First aid boxes are provided in the departments, laboratories and workshops.
- Health and hygiene classes are conducted for the students, especially for the girl students by the College's Women Protection and Empowerment Cell.
- Financial aid is given to the needy students and non-teaching staff for medical needs.
- The College has a linkage with Tulasi Hospital, which is only 10 minutes drive from the college. The services of a visiting doctor from nearby village are made available as and when a need arises.
- The students are provided with emergency medical assistance at the hospital and the community health centers nearby.
- Medical camps are conducted by NSS unit of the college.
- Purified drinking water supply, fitness centre with gymnasium, emphasis on sports, games etc. ensure and promote proper health care.
- College has an Ambulance service for emergency requirements.
- A Full time Nurse is available in the campus for taking care of the first aid requirements.

Apart from the medical care, GCET is giving counseling facility also. Psychological and psychiatric counseling to the students are arranged through guest lectures and interactive sessions by professional counselors.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

S.NO	Name of the common facility	Space / Location
1	IQAC	Entire Institution
2	Grievance Redressal	
3	Women's Cell	
4	Counseling and Career Guidance	
5	Placement Unit	Block-1
6	Health Centre	Block 2
7	Canteen	A separate building and in Block 1,
8	Recreational spaces for staff and students	Block-2
	a) Indoor Games.	
	b) Outdoor Games	
9	Safe drinking water facility	RO Plant
10	Auditorium	Open Auditorium
11	Language lab	Block 1, Block 2
12	Stores, NSS unit	Block 2
13	Internet access to students, digital library	Central library

4.2 Library as a Learning Resource

The college has a newly built, well-ventilated, well lighted and spacious library with good seating arrangements for over 100 students and space for faculty and research scholars. The library functions under the supervision of a qualified librarian and a good number of supporting staff.

4.2.1 Does the Library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the Library, student/user friendly?

Yes.

The effective functioning of the library is ensured by a Library Advisory Committee headed by the Principal (Chairperson) and assisted by Dean, Academics (Coordinator), the Librarian (Convener), members of faculty and four student representatives.

The Committee gives directions and recommendations on all matters related to the organization and services of the college library.

User-friendly initiatives of the committee implemented:

- Cordial, cooperative and informed staff of the library keep the library user friendly.
- Completely automated functioning of the library makes the transactions easier.
- Open access system.
- Electronic book search.
- Access to e-books and e-jurnals through INFLIBNET & DELNET.
- Discipline ensured through effective counseling.
- The periodical display of the new arrivals to inform users.
- Orientation for using e-resources to newly joined faculty and newly admitted students.
- Feedback collected from users.
- Strengthening the book bank facility.

4.2.2 Provide details of the following:

- **Total area of the Library (in Sq. Mts.):** 950
- **Total seating capacity :** 250
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation):**

  On working days : 9.30A.M to 6 P.M
  On holidays : 10: 00 A.M to 2: 00 P.M
  During vacation : 10: 00 A.M to 5: 00 P.M

- **Layout of the Library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

  The Library layout has Issue and Return counters, Back Volumes, Photostat corner, Magazine section, IT zone for accessing e-resources, individual reading carrels, area for relax reading, special cubicles for researchers.

4.2.3 How does the Library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- Every year an amount is earmarked for the purchase of library books and journals.
- The Principal circulates a notice to the departments on the allocation of funds for the purchase of books.
- The Heads of the departments provide the list of required titles, both print and e-journals, to be purchased.
- The provisional list of books recommended by each department is handed over to the librarian.
- The librarian after verification makes the purchase order to the approved publishers or distributors.
- Librarian coordinates purchase of the required books and subscription of e-journals for the library.
- The new books are displayed in the library on a special rack and cover pages are displayed in the library automation software and library portal so that the readers pay attention to these books.

Amount spent in the last 4 years:

Library holdings	2014 - 15		2013 - 14		2012 - 13		2011 - 12	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books / Reference books	1982	730140	2268	826140	1392	401586	2600	659933
Journals/ Periodicals	96	245393	81	180115	98	121242	106	188290
E - resourses	1700	460510	175	372780	145	312768	1300	1317277
Any other		148595		74079		77674		177314

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the Library collection?

- **OPAC (Online Public Access Catalog)**
- **Electronic Resource Management package for e-journals**
- **Federated searching tools to search articles in multiple databases**
- **Library Website**
- **In-house/remote access to e-publications**
- **Library automation**
- **Total number of computers for public access**
- **Total number of printers for public access**

- **Internet band width / speed**
- **Institutional Repository**
- **Content management system for e-learning**
- **Participation in Resource sharing networks/consortia (like Inflibnet)**

OPAC (Online Public Access Catalog):

Through this catalogue one can search the Library database to know the status of the library book. One can search this OPAC by entering the Name of the Title/ Author/publisher/ Accession Number of the Book. Student/ faculty can reserve any desired book.

Federated searching tools to search articles in multiple databases:

Library provides federated search which is used to search multiple content with one query, which allows a user to search multiple databases at once in real time.

Ex: OPAC, web based search engines like Google.

Library Website:

www.gcet.edu.in (college website provides required information)

In-house/remote access to e-publications

Students and staff can access e-resources using LAN (with individual user login and passwords) as a part of the digital Library.

Library automation

The library uses EZ software package, which is library automation. Library Management Information System supports in-house operations of the library. The EZ software consists of modules on Acquisition, Cataloguing, Circulation, Serials, Article Indexing and OPAC. Retrospective conversion of bibliographic records has been in vogue and can now be accessed through the EZ OPAC. The data base available in the library is being updated on day to day basis with details of recently acquired books, records of all the library patrons have also been created in the EZ package. To strengthen our circulation counters for accuracy and speeding up of operations Barcode Technology is in place.

Total number of computers for public access: 24

Total numbers of printers for public access: 1

Internet band width / speed: 30 Mbps

Institutional Repository:

Institutional repository is an online locus for collecting preserving and disseminating in digital form.

Content management system for e-learning:

NPTEL Video Lectures, web courses (phase-I/phase-II)

STANFOTD, MIT Video Lectures.
Project reports CDs.
Participation in Resource sharing networks/consortia
Subscribed for DEL NET List for participation in resource sharing networks.

4.2.5 Provide details on the following items:

- **Average number of walk-ins**: 300 to 350.
- **Average number of books issued/returned:** 200 to 275
- **Ratio of Library books to students enrolled:** 14:1
- **Average number of books added during last three years:** 6,270.
- **Average number of login to opac (OPAC):** 20 to 25
- **Average number of login to e-resources:** 80 to 100
- **Average number of e-resources downloaded/printed:** 10 to 15 per day
- **Number of information literacy trainings organized:** 1 per Year.
- **Details of "weeding out" of books and other materials:**

Continuous weeding is done to maintain collections so that they offer a balance between standard classics and the currently popular.

Purpose:

1. Utilize available space in the best and most economical way.
2. Maintain up to date collections and the library's reputation for reliability.

4.2.6 Give details of the specialized services provided by the Library

- **Manuscripts**
- **References**
- **Reprography**
- **ILL (Inter Library Loan Service)**
- **Information deployment and notification (Information Deployment and Notification)**
- **Download**
- **Printing**
- **Reading list / Bibliography compilation**
- **In-house / remote access to e-resources**
- **User Orientation and awareness**
- **Assistance in searching Databases**
- **INFLIBNET / IUC facilities**

Manuscripts: No

References: Separate reference section is provided for the users of the Library where students and staff can refer to books like dictionaries, encyclopedias, almanacs, etc.

Reprography: Photocopy Facility is available in library for the users.

ILL (Inter Library Loan Service): DELNET, BRITISH Library Membership

Information deployment and notification:
Notice board: Displays new arrivals, Seminars, Conferences conducted by other colleges, college calendar etc.

Download:
E-journals, E-books, Articles.

Printing:
Library has a printer for users.

Reading list/ Bibliography compilation:
Library books are arranged course wise, using Dewey decimal classification and shelf list cards helps the user in finding the required information easily.

In-house/remote access to e-resources:
Students and faculty can access the Library information within the campus (through LAN). Remote access can be done for some of the important documents through college website.

User orientation and awareness:
User orientation sessions will be conducted for new users of the Library.

Assistance in searching databases:
Library staff assists the users in searching the database: OPAC and DELNET.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- The first year students and the newly joined faculty and staff are given an orientation on the rules and regulations of the library and also on how to effectively use the library resources.
- The librarian / staff helps the students to search for books and other material.
- The library staff motivate students to visit the library daily.
- New arrivals are kept in open racks to attract and create interest in readers
- Both teachers and students have access to internet services during the working of the library.
- 8 Mbps Broadband Internet connection in the Library.
- Reprographic facility is available.
- Online access to e-journals is provided through INFLIBNET & DELNET.
- Book reservation facility is provided.
- The staff ensures that discipline is maintained in the Library.
- Students are given assistance to access online courses using computers available in the library.
- Regular feedback is collected from library users to further improve library services.

4.2.8 What are the special facilities offered by the Library to the visually/physically challenged persons? Give details.

Library staff helps visually/physically challenged persons for the book issue as well they provide the library facility on need basis as and when required. So far there are no admissions in this category.

4.2.9 Does the Library get the feedback from its users? If yes, how is it analyzed and used for improving the Library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the Library services?)

The library provides feedback forms (direct approach method), to get the feedback from the users. The suggestions and complaints received as feedback are periodically reviewed by library committee and remedial measures are adopted for constructive feedback with the approval of Management, library services are improved.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**
- **Computer-student ratio**
- **Stand alone facility**
- **LAN facility**
- **Wi-Fi facility**
- **Licensed software**
- **Number of nodes/ computers with Internet facility**
- **Any other**

S No	Particulars	Available	Brand Model/specification
1	No of computers in LAN/WAN	No. of systems available for students: 875 No. of systems available for staff: 150 Total: 1025	LG, HP, Dell, Enjay (Thinclints), IBM, Lenovo
2	Computer Student ratio	B.Tech. 1:4 M.Tech 1:2 MBA 1:2	LG, HP, Dell, Enjay (Thinclints), IBM, Lenovo
3	Standalone Facility	24	LG, HP, Compaq, Dell, IBM, Lenovo, Acer.
4	Licensed Software	MSDN Oracle	Cadence
5	Internet Facility	16 Mbps	Balaji Online: 8 Mbps Vainavi : 8 Mbps
6	Wi-Fi Connectivity	In Block - 1	NETGEAR

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

The following computer and internet facilities are made available to the faculty and students:

- Internet facility is available for both faculty and students in the campus.
- For every 4 students one system is available and 150 systems are available for the faculty.
- Every department has 6 laptops for portable purposes.
- The entire campus is optically networked between buildings and LAN cable within the building for connectivity.
- Wi-Fi facility is provided in Block-1.
- Dedicated bandwidth of 16 Mbps is taken from different sources. In addition, each building / department of importance like examination center, remote center for online workshops, placement cell, and Library has additional dedicated bandwidths.
- A central Computer facility with 30 systems and internet is made available to students in the central library.
- Students also use Digital library with 30 systems each having internet facility.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Sequential up gradation plans are included every year in the budget plan. The activities have been planned in such a way that, the IT infrastructure and associated facilities are always on par with the state-of-the-art technology.

GCET maintains thrust on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. The college places lot of importance on e - learning and major plans are in hand to upgrade the bandwidth, connectivity as well as the devices. College level Wi-Fi is planned in the coming years.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Amount spent for procurement, up-gradation, deployment and maintenance of the computers and their accessories in the institution during last four years :

	2014-15	2013-14	2012-13	2011-12
Amount Spent (Rs)	**45,01,838/-**	**11,48,936/-**	**22,99,153/-**	**34,48,889/-**

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The college provides digital Library facility and all laboratories also have internet facility for staff and students. All the college repositories including project reports, research papers, dissertations and Ph.D. thesis are available in digital format in the digital Library. The institution has adequate computer facility for its faculty. Adequate multimedia projectors, OHPs are available with each department.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

Central computing facility and its use by staff and students: The staff and students can share the information through network. Staff and students can access network resources.

Faculty facilitation to prepare computer aided teaching/learning materials: The institution acts as a facilitator for e-learning material (NPTEL video lectures) and the accession to online lectures of various experts from reputed institutions is also made available. E-class rooms are provided for this purpose in all the departments.

Website: The website is updated whenever new information is to be added regarding national symposium, seminars, workshops, tender notification, recruitments and as and when required. College Website also gives information regarding the course files, E-Books, Lab manuals etc. to the students on the Web.

Maintenance of computers and their accessories: These are maintained by administrator and technical team of the college.

Digital Library: Access is given to all faculty on LAN and computers are available for the students for online learning in the Central Library.

E-Class rooms: Individual computer systems are made available to each student in the class room and online class learning is made, during the regular class hours.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes, NPTEL Video Lectures are being made available to the students.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

GCET has been expanding and upgrading its assets and facilities rapidly since inception in 2005 in tune with its vision and strategic planning.

Amount spent for maintenance of facilities during the last four years:

Items	Expenses in 2013-14	Expenses in 2012-13	Expenses in 2011-12	Expenses in 2010-11
Building	**31,36,174**	**30,76,123**	**67,49,708**	**59,83,900**
Equipment & computers	**7,83,743**	**10,02,744**	**7,04,042**	**7,02,659**
Vehicles	**85,39,895**	**84,80,998**	**73,95,398**	**62,25,223**
Any other (Administrative and other Expenditure	**13,14,31,987**	**11,53,51,527**	**7,17,41,569**	**6,31,57,761**

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

GCET maintenance department ensures better facilities and equipment including the safety and security. All the department maintenance coordinators will take care of up-keeping the maintenance part.

4.4.3 How and with what frequency does the college take up calibration and other precision measures for the equipment/instruments?

All the departments will carry out precision measures for the laboratory equipment of their labs concerned and finally college takes up calibration.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

All equipment which is sensitive to voltage fluctuations are backed up with UPS and voltage stabilizers. As a philosophy, wherever possible desktops are replaced with laptops and other mobile devices so that optimum power is utilized.

Electricity:

College has a dedicated Express 11 KV Feeder from nearby Local Sub Station.

Particulars	Capacity	Nos
Transformer -1	125 KVA	1
Transformer -2	250KVA	1

Power backup:

The power room is equipped with generators for standby supply. They are switched on immediately in case of power failure.

Particulars	Capacity	Nos
Generators	125KVA	1
	200KVA	1
UPS	15KVA	1
	20 KVA	2
	25KVA	8
	40 KVA	1

Security:

Institution Security is looked after by a private security agency in three shifts round the clock. Security guards are on duty at the college main gate, parking areas and other areas. Additional security guards are employed on special occasions like sports and annual day or any VIP visits and other functions. The entire campus is protected by the compound wall with two main exits. In case of untoward incidence the local police outpost station is located near to the campus.

Water Supply:

Constant supply of water is made available through the water tanks constructed in each Block. Water is pumped into tanks through motors installed at various Bore-wells in the campus.

4.4.5: Any other relevant information:

- ATM installed in the campus
- Campus beautification is done regularly
- An LED display Board is placed in the Foyer of Block I.

<<<>>>

CRITERION-V

(Student support and Progression)

CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

- Yes, The College publishes its updated handbook annually.
- It contains the Vision, Mission, Values, The Motto of the Institute, Information about the college and its Advisory Committee, Details of the Academic Programs offered, their eligibility, Names of the Department Heads etc,.
- It also contains the list of the facilities being provided to the students.
- It contains Details of Centre for Academic and Career Guidance (CACG), Training and Placement details, Performance Monitoring and Guidance, Various Student Activities, Student code of conduct/Responsibilities and Various College Clubs and their Activities.
- The Handbook is distributed to every student at the beginning of the academic year during their admission. The same information, which is published in the college handbook, is also updated on the college website: www.geethanjaliinstitutions.com

5.1.2 Specify the type, number and amount of institutional scholarships / free-ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence.
- Raja Reddy Memorial Award for academic excellence is given to the topper in each branch for all years of students.

Merit Scholarships:

2011 – 12			
Sl. No.	**Branch**	**No. of Students**	**Amount in Rs.**
1	CSE	4	40,000
2	ECE	4	40,000
3	EEE	4	40,000
4	IT	4	40,000
5	MBA	3	30,000
6	MCA	3	30,000
TOTAL			**2,20,000**

2012 – 13			
Sl. No.	**Type of Scholarship**	**No. of Students**	**Amount in Rs.**
1	CSE	4	40,000
2	ECE	4	40,000
3	EEE	4	40,000
4	IT	4	40,000
5	MBA	2	20,000
6	MCA	3	30,000
TOTAL			**2,10,000**

2013– 14			
Sl. No.	**Type of Scholarship**	**No. of Students**	**Amount in Rs.**
1	CSE	8	40,000
2	ECE	8	40,000
3	EEE	8	40,000
4	IT	8	40,000
5	ME	4	20,000
6	MBA	4	20,000
7	MCA	2	10,000
TOTAL			**2,10,000**

2014 – 15			
Sl. No.	**Type of Scholarship**	**No. of Students**	**Amount in Rs.**
1	CSE	11	33000
2	ECE	11	33000
3	EEE	4	12000
4	IT	7	21000
5	ME	4	12000
6	MBA	2	6000
Total			**1,17,000**

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Academic Year	**Percentage(%) of Students Benefitted**			
	2014-15	**2013-14**	**2012-13**	**2011-12**
SC, ST, OBC, General	47	56	54	48

5.1.4 Support services/facilities available for

- **Students from SC/ST, OBC and economically weaker sections**
  - During the time of admission, the students from SC/ST, OBC and economically weaker students are identified based on their authenticated disclosures and the college maintains the same record.
  - Besides, students are made aware of the scholarships given by the Central

Govt., the State Govt. The students are also informed of the different types of schemes that are available from the Social Welfare Department and Government.

- Remedial coaching is offered to the students of SC/ST, OBC and economically backward communities to uplift them academically.
- The tutorial and mentoring systems help to identify their problem areas and address them positively by giving them remedial help as well as counseling.
- Parent – Teacher meetings help the teachers know more about the backgrounds of the students and to give them proper guidance.

➢ **Students with physical disabilities**

- Two Wheel Chairs and a Ramp are available for students with physical disabilities.
- As of date there are no students with physical disabilities in the college Rolls.

➢ **Overseas students**

- In general, admissions are given to overseas students as per the AICTE guidelines.
- However, the institution does not have permission to seek admissions for overseas students.

➢ **Students to participate in various competitions/National and International (students achievements)**

- Geethanjali College of Engineering and Technology encourages students to participate in various National and International Competitions.

➢ **Medical assistance to students: Health Centre, Health Insurance etc.**

- Geethanjali College of Engineering and Technology has an In-house Medical Centre/ Dispensary and has appointed a fulltime staff nurse to provide medical assistance to students and staff in need.
- In case of Emergency, an ambulance with Oxygen Cylinder and a Stretcher is available in the college campus. For special Cases, the college beares all medical expenditure.
- Free general health check up camp was organized by the college for students and faculty members.
- First Aid Boxes are provided in every department, staff rooms and in the NSS and NCC offices and Physical Education Department.
- Medical check – up camps are conducted for students and teachers under the leadership of NCC.
- Awareness Classes on a healthy life style were organized.
- Emergency medical care can be obtained at any of the following Hospitals located 5 kms to 10 kms away from the college
    - Vijaya Hospital : 5 Kms
    - Xenia Hospital : 10 Kms
    - Tulasi Hospital : 9 Kms

- Polumi Hospital: 12 Kms

- The college Ambulance can be arranged to move the patient to any of the above listed Hospitals within 10-20 Mins.

- At the outset, facilities available in the college for medical assistance are:
  - Nursing staff : 1
  - First aid kits : 20 (distributed at various department labs)
  - No. of beds : 4
  - No. of stretchers : 1
  - Ambulance with Oxygen Cylinder and Stretcher
  - Other accessories like B.P Apparatus, Tablets, Ointments, cotton and bandage.

➢ **Organizing coaching classes for competitive exams**

- Geethanjali College of Engineering and Technology has a dedicated Department which takes care of Training and Placements of our students.
- The training and placement division is called CACHE (**Centre for Advancement of Career and Human Excellence**).
- The training imparted to students from their first year till they are placed is aimed at shaping the individuals into not just employable but to be an asset to their employers.
- Various innovative methods of teaching are implemented to make learning an enjoyable experience for the students.
- The run of the mill syllabus completion classes are a contrast to what happens at CACHE.
- A special syllabus is planned keeping in view the industry requirements and constraints of regular syllabus.
- The focus of training is on Communication Skills, Aptitude, and Soft Skills, developing the Confidence of Students, improving their Body Language, inculcating creativity and into making them responsible individuals.
- A special collection of books is maintained at CACHE to lure students to books and to cultivate and nurture the healthy habit of reading.

➢ **Skill development (Spoken English, computer literacy, etc.,)**

- The college has a tie-up with a leading training institute - Triumphant Institute of Management Education **(TIME).**
- **TIME** conducts two sessions a week for each class through the semester.
- The training module covers areas of
  1. Functional grammar in standard English and Tips on improvement of Vocabulary
  2. Listening skills
  3. Speaking skills
  4. Public Speaking
  5. Effective Writing
- The programme is designed to be interactive so as to generate and sustain interest of the participants.

- **Support for "slow learners"**
  - Slow Learners are identified from the performance of the internal assessment and necessary remedial classes are conducted to them.
  - Extra Labs are conducted for slow learners to have more practical view of the courses they learn.
  - Additional Experiments are conducted for all the students to emphasize the importance of practical knowledge.
  - Tutorial sessions also help them. So also Bridge courses.

- **Exposures of students to other institution of higher learning/ corporate / business house etc.**
  - Guest Lectures are organized and Course Experts from other institutions of higher learning/ corporate/business house are being invited to provide exposure to students about the latest trends.
  - Students attend seminars, conferences and workshops conducted by other institutions namely, BITS - Hyderabad campus, IIIT – Hyderabad, IIT – Hyderabad, OU CoE, JNTUH CoE, etc.
  - Entrepreneurship Development Cell of the college provides opportunity to collaborate with various corporate houses on various aspects of Entrepreneurship.
  - The students of many departments conduct industrial visits and field trips to different industries in and around Hyderabad.
  - The students get opportunities to interact with invited speakers in the College during Guest Lectures.
  - The pre-final year and final year students do their respective mini and major projects in industries.

- **Publication of student magazines**
  - The College has Technical Magazine "**Innovation**" published half yearly.
  - **Innovation** provides an opportunity for the students to bring out their creative skills. Every Fortnight, departments publish Individual News Letters, highlighting various activities in the department, Student and Faculty achievements.
  - The articles are contributed by the students and faculty.
  - The selected articles are published in the magazine under the supervision of the college editorial board.
  - Through the magazine the activities of the college are made known to alumunai and others.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Entrepreneurship is fast emerging as the third dimension to the emerging scenario of academics.
- Entrepreneurship is a mindset which needs to be cultivated in the students.
- It's a new thought process which needs to be integrated into the technical curriculum to enable the students to recognize the significance of entrepreneurship.
- The faculty plays a pivotal role in inculcating the concept into students.
- The institution provides all support to the students who wish to prepare a

prototype or enhance a particular version to test it.

- In this regard, efforts are put in from the institution side and also with the help of National Entrepreneur Network.
- NEN supports us in terms of conducting student and faculty workshops on various topics ranging from the basic awareness to investments.
- The institution has also encouraged activities like setting up a campus enterprise and other real time interactive mentoring sessions with entrepreneurs.
- The e-cell of Geethanjali College of Engineering and Technology "Idea Dimension" is drawing members from all the branches of UG & PG programmes.
- To promote Entrepreneurship spirit among the student community, the college established Entrepreneurship Development cell (EDC) funded by AICTE.
- College received a grant of Rs. 4.5 lakhs both recurring and non-recurring which will be for a duration of 4 years.
- This cell creates awareness of need and importance of entrepreneurship as career option among the students thereby strengthening their entrepreneurship skills.
- The EDC cell organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.

NEN Committee for Academic year 2014-15

S. No.	Name	Position	Department
1.	Preethi Prasada	COORDINATOR	CSE
2.	Dedeepya	MEMBER	IT
3.	N V Bharadwaj	MEMBER	EEE
4.	B Suneetha	MEMBER	ECE
5.	B Anitha	MEMBER	Mech.
6.	K Kalyani	STUDENT VOLUNTEER	4th year CSE
7.	Y Manvitha		4th year CSE
8.	K Rajesh		4th year CSE
9.	Y Suhas		4th year CSE
10.	K Soumya		4th year ECE
11.	B V Rana Pratap		4th year IT
12.	K Tarun		4th year ME
13.	Manas Ram		4th year IT
14.	Vidya		4th year IT

The activities taken up by the Entrepreneurship cell are as follows:

Academic year 2014-2015

SNo.	Name of the Event	Description	Date of the Event	Chief Guest/Speaker	Location
1	2 Weeks FDP on Entrepreneurship	Faculty was trained on how to encourage entrepreneurship	23rd June 2014 to 5th July2014	----------	JNTUH
2	Team Member Recruitments(2014-15)	The new members for the Idea Dimension NEN 2014-2015 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	26th July 2014 to August 5th 2014	----------	GCET
3	Induction Ceremony	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2014-15.	7th August 2014	Rahul Krishnan (Guinness World Record Holder)	GCET
4	Webinar 1	The first webinar which was conducted by NEN	20th August 2014	Dr. Rosa	ONLINE
5	NEN Faculty Leaders Consulting Meet	1st NEN Faculty Leaders Consulting Meet	21st August 2014	Vishnu Priya	kasturbha Gandhi College
6	Webinar 2	The second webinar conducted by NEN	16th September 2014	Rhadika Meenakshi	ONLINE
7	Ad Making	It was a perfect blend of team work and creativity	18th September 2014	----------	GCET
8	Smash JAM	It was one of a kind of event. This was the same old one	20th September	----------	GCET

		minute JAM plus a twist of the smash	2014		
9	Stock Market Basics	It was a workshop on a competition called stock market to be played with a dummy stock market using a blog	24th September 2014	----------	GCET
10	NEN Mart	This was a sale of handmade jewellery, cup cakes, homemade candles	16th October 2014	----------	GCET
11	NEN Faculty Leaders Consulting Meet	3rd NEN Faculty Leaders Consulting Meet	28th October 2014	Vishnu Priya	Muffakham jha College
12	Tata First Dot Workshop	Workshop about Tata First Dot	29th October 2014	Vishnu priya and Radhika Meenakshi	Vasavi college of Engineering

Academic year 2013-2014

Sl. No	Date	Activity Name	Speakers	Location	No. of students/ people attended
E-WEEK-2014					
1.	1st March 2014	Treasure hunt		GCET	Open to all
2.	2nd March 2014	Flash mob, Street Play		City Central	25
3.	3rd & 4th March	Capture the Flag, Ad-Making, B-Debate, B-Quiz, Crisis Analysis, Build Your Brand, Market Yourself, Challenge FB, Caption Writing		GCET-CSE Seminar hall, Cache hall, Mechanical block room no. 43	Open to all
4.	4th & 5th March 2014	Collage Making, Phoenix, Worth out of waste, Robin hood, Team Simulation, B-Plan, Negotiator, Picture Perspective, Story Glory		GCET-CSE Seminar hall, Cache hall, Mechanical block room no. 43	Open to all
5.	28th February 2014	DC Annual quiz		GCET- College Seminar Hall	120

6.	21st February 2014	Guest lecture	Dr.Radhika Meenakashi, EDC Coordinator	GCET- College Seminar Hall	120
7.	15th & 16th February 2014	Tata first dot Conference.		Bangalore.	10
8.	30th & 31st January 2014	Two day Workshop on Entrepreneurship	Prof.Abhiramakrishna, Director-SBSS & Mr. K. Vinay Kumar, CEO-Datawise & Mr. Vijayakumar Deverakonda Director-Indus International School	GCET- College Seminar Hall	240
9.	27th & 28th January 2014	Two day national level Workshop on "**Entrepreneurship Awareness**"		Siddhartha Institute of Engg. & Technology	8
10.	22nd January 2014	Introductory Seminar	E-Leaders of GCET NEN team	GCET-College Seminar Hall	100
11.	**Start up**: Third year ECE student has come up with an innovative idea to embed College logo on aprons. He was successful at our college level and wants to continue the same in other engineering colleges.				

Academic year 2012-2013

S. No.	Date	Activity Name	Speaker	Location	No. of students/ people attended
1.	13.02.2012	Orientation Program for I B.Tech students	Famous professional photographer "Photriya Venky" and young entrepreneur Mr. Niranjan, CEO, Playsportz, Red Bus	College Seminar Hall	80
2.	12.02.2012	Promoting entrepreneurship in the form of "Veedhi Natakam"		At two prominent places like Eat Street on the necklace road, City central and The Numaish: 72nd All-India Industrial Exhibition 2012	200-250
3.	11.02.2012	Quiz titled "Spell Bee" on words related to entrepreneurship	Dr. Mrudula Lakkaraju (Judge)	Schools close to college	100
4.	16.07.2011	Entrepreneurship Orientation Program	Mr. Vikram from NEN (National Entrepreneur ship	Aurora Business School	40

			Network)		
5.	26, 27 & 28 Aug, 2011	Advanced awareness program on entrepreneurship	NEN Faculty	Badruka Institute of Finance & Management	40
6.	12.01.2011	Starting an incubation centre		Geethanjali College	60
7.	18.11.2010	Program titled "Dhatri: awareness program how to run small enterprise		Geethanjali College	70
8.	06.02.2011	Awareness about paper bags in place of plastic bags		Geethanjali College	90

- Mr. Satish Kumar Matta emerged as Young Entrepreneur from Geethanjali College of Engineering and Technology.
- This budding entrepreneur is an alumnus of this college. He started a website called "COOL PC TIPS" – which became the No. 1 Technology site in Southern India. This website gives latest technical information about computers.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extra-curricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **Additional academic support, flexibility in examinations**
- **Special dietary requirements, sports uniform and materials.**
- **Any other**

EXTRA CURRICULAR ACTIVITIES:

- To conduct extra-curricular activities we have NSS unit, Environmental Club and Fine arts and Cultural Club.
- The NSS unit was started in our college in the academic year 2008-09 with around 250 volunteers.

NATIONAL SOCIAL SERVICE UNIT

NSS Activities for Academic Year 2014-15

- Swacch Bharat Mission– Cleanliness Program, initiated by Honorable Prime Minister was conducted at college campus on 1st Nov 2014. In this event Chairman, Principal, Dean, all the Department Heads, faculties and students took part to make the event successful.
- A Dental camp was organized for the Villagers in Cheeryal village in the college campus in collaboration with KJS Dental Care on 20-09-2014.
- Has actively participated in an event called "*Bachpan Bachao"* an India based movement campaigning for the rights of children on 03-08-2014.
- Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village on 11-07-2014

- Toys were purchased from the funds raised by staff and students and were given to Anganwadi School Children.
- A Computer Training program was conducted by Mr.V.N.L.N.Murthy & Mr.M.Chaitanya Krishna Reddy, faculty of CSE Dept, to the students of Cheeryal Village High School on Aug 11th, 12th, 18th & Sep 1st, 2nd 2014

NSS Activities for Academic Year 2013-14

- Blood donation camp was conducted on 21-9-2013.

Blood donation camp photos

ఇంజినీరింగ్ విద్యార్థులు రక్తదానం

కీసర, సెప్టెంబర్ 21 (టీ మీడియా): విద్యార్థులు స్వచ్ఛందంగా ముందుకొచ్చి రక్తదానం చేయడం చాల అభినందనీయమని గీతాంజలి ఇంజినీరింగ్ కళాశాల సెక్రటరీ జి.రవీందర్‌రెడ్డి పేర్కొన్నారు. మండల పరిధిలోని గీతాంజలి ఇంజినీరింగ్ కళాశాలలో జూబ్లీహిల్స్‌కు చెందిన లయన్స్ క్లబ్ ఆధ్వర్యంలో రక్తదాన శిబిరాన్ని నిర్వహించారు. ఈ శిబిరంలో గీతాంజలి ఇంజినీరింగ్‌కు చెందిన పలువురు విద్యార్థులు రక్తదానం చేశారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఉదయ్‌కుమార్, సోమశేఖర్, ఎన్ఎస్ఎస్ కో-ఆర్డినేటర్‌లు సుభద్ర, రఫీలతో పాటు పలువురు ఇంజినీరింగ్ విద్యార్థులు పాల్గొన్నారు.

రక్తదానం చేస్తున్న విద్యార్థులు

గీతాంజలి కళాశాలలో రక్తదాన శిబిరం

చీర్యాల (కీసర): ప్రాణాపాయ స్థితిలో ఉన్న వారిని ఆదుకునేందుకు రక్తదానం ఎంతో అవసరమని చీర్యాల గీతాంజలి ఇంజనీరింగ్ కళాశాల కార్యదర్శి జి రవీందర్‌రెడ్డి పేర్కొన్నారు శనివారం చీర్యాలలోని కళాశాలలో లయన్స్ క్లబ్ ఆఫ్ జూబ్లీహిల్స్ ఆధ్వర్యంలో రక్తదాన శిబిరం నిర్వహించారు 250 మంది ఇంజనీరింగ్ విద్యార్థులు స్వచ్ఛందంగా ముందుకు వచ్చి రక్తదానం చేశారు కళాశాల ప్రిన్సిపల్ ఉదయ్‌కుమార్, డీన్ సోమశేఖర్, ఎన్ఎస్ఎస్ సమన్వయకర్త సుభద్ర, రఫీ, అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు

- Providing school items to the poor children
- Conducted Tree Plantation Programme on 06-10-2013.

NSS Activities for Academic Year 2012-2013:

- The NSS unit of the college has conducted two blood donation camps (05-01-2013 & 13-04-2013). Around two hundred volunteers donated blood in each camp.
- The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp on the days of 25-08-2012 and 06-09-2012.
- Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village on 10-08-2012.
- NSS volunteers planted trees in and around Cheeryal village on 06-10-2013.
- Conducted Computer Training Programme for High School Students from 12-12-2012 to 15-12-2012.
- Observed Non-violence Day and Peace on 04-10-2012

NSS Activities for Academic Year 2011-12

- Adopted Cheeryal village;
- Educated local villagers to avoid making Ganesha idols with artificial colors to protect the environment; Created awareness on the advantages of eco friendly idols of Ganesha made of clay.
- Raised funds from students and utilized the amount collected towards purchasing of toys and handed over to an orphanage.

- Arranged blood donation camps through Lions Club of Hyderabad, Jubilee Hills section on 13th April 2012 in college campus. Around 204 students and staff donated blood.
- Arranged Eye Camp for the villagers of Cheeryal and Yadgarpalli on 3rd March 2012 in college campus. Around 200 Villagers utilized this camp.
- Donated 300 note books to poor school children on 19th December 2011 at Govt. High School, Cheeryal.
- Through DIYA (Lightning function) Amount was collected from students and staff and was donated to orphan organization on 24th and 25th Oct 2011.
- Through CLAP Foundation, Collection & Distribution of 116 note books to school children was done on 11th Aug 2011.
- GENESIS 2011-HIV AIDS awareness programme was organised in college campus on 26th July 2011.

The NSS Committee members are:

S.No	Name of the Staff S/ Sri / Smt.	Designation	Department	Position
1	K Naupal Reddy	Asst. Professor	MBA	Program Officer
2	B Vanaja Rani	Asst. Professor	S&H	Member
3	D Srilatha	Asst. Professor	S&H	
4	M Raju	Asst. Professor	S&H	
5	T Pooja Rani	Asst. Professor	EEE	
6	U Applaraju	Assoc.	ECE	
7	S Ramajeneyulu	Asst. Professor	CSE	
8	B Srinivas	Assoc.	CSE	
9	M Ravindra Gandhi	Asst. Professor	MECH	
10	BPS Jyothi	Asst. Professor	MBA	
Frequency of Meeting: At least once in a semester				

Prof . K Somasekhara Rao-Dean Academics & Ms.N Subhadra-Asst Professor-S&H are identified as Advisors for various NSS Activities.

ENVIRONMENTAL CLUB (ECO-CLUB)

- An "Environmental club" was formed in the college in 2009. Eco club, as a part of Adhira foundation has been organizing many eco-friendly events from 2011.
- The committee works towards creating awareness on the hazards of environmental pollution among the students and involving them in tasks to minimize wastage of water, usage of plastics and increase of green cover.
- The club's motto is "Geethanjalites Go Green (GGG)".

Eco-Club 2014-15

- Clay Ganesh idols distribution to all the faculty members (teaching and non-teaching) under Buddha Poornima project by GHMC.

- Awareness program has been conducted in the government schools of cheeryal village on cleanliness and hygiene in Divine Grace School and Govt. high school in Cheeryal village.

- Clean and Green activity in and around the college premises as a part of "Swacch Bharath" on 01.11.2014.

Eco-Club: 2013-14

- Distribution of eco-friendly Ganesha to all faculty (teaching & Non-teaching) and drivers.
- Environmental awareness program has been held on 10.10.2013 and 11.10.2013.

Eco-Club: 2012-13

- In the month of September 2012 and 2013, Clay Made Ganesha idols were distributed to all the faculty members in order to create awareness about the dangerous effects of Plaster of Paris when mixed with water.
- In the year 2012 plantation program was organized in Cheeryal village and planted about 100 saplings.
- Conducted awareness program in which students prepared PPT on environment protection and cleanliness in schools of Cheeryal village and that was a huge success.
- Active participation of 50 students from our college as volunteers for 10K run organized by "Prakrithi Mithra" for COP-11 Conference.

The Environmental club members are

S.No.	Name of the Staff Member S/ Sri / Smt.	Position
1	Prof. K Somasekhara Rao, Dean Academics	Chairman
2	K Sai Anusha Asst Prof. S&H	Coordinator
3	P Mercy Kavita Assoc. Prof. S&H	Member
4	N.Subhadra, Assoc. Prof. S&H	Member
5	B.Mamatha, Asst Prof. S&H	Member
6	Pratheeksha III Year ECE 12R11!0494	Student Member
7	Venkatesh – III year CSE 12R11A05D3	
8	Sravani – IV year IT 11R11A1299	
9	Bhavya II year ME 13R11A0301	
10	Harishankar II Year EEE 13R11A0216	

FINE ARTS CLUB

- The main objective of the Fine Arts Club is to bring out the hidden talent

of the students. The various activities that are planned in this club are:

- Dance
- Music
- Drama
- Painting and Photography
- Mimicry

- Activities like Teachers Day, Talent Day, and Traditional Day were conducted by the Fine Arts Club last year.
- Teacher's day was organized successfully by organizing games to the lecturers and students exhibited their talents through dancing and singing.
- The Best Dressed Male and Female were selected from among the students and were given prizes.
- The New Year's Eve was celebrated with pomp. The first year students showcased their talent in various activities like dancing, singing (vocal and instrumental), reciting poems, mimicry, etc.
- Geethanjali is not just about studies but also about ethics and moral values, to declaim this, traditional day was held on 10 January, 2014 with activities like Rangoli Competition, Mehendi Competition, and Kites festival.
- The traditional ramp walk and traditional folk dances became a huge hit.
- All this invigorated the spirit of culture and tradition.

The Members of the Fine Arts Club committee are:

S.No.	Name of the Staff Member S/ Sri / Smt.	Position
1	P Mercy Kavitha	Coordinator
2	N. Subhadra	Member
3	V. Shashikala	
4	Vem Mamatha Bethapudi	
4	B Nagamani	

Proposed Schedule and Coordinators for Activities under Fine Arts and Literary Club are

DAY	EVENT	FACULTY
Monday	Dance	B.Vanaja Rani(S&H)
	Music	K.Sai Anusha (S&H)
Tuesday	Group Discussion	D.Krishna (EEE)
	Public Speaking/Presentations	Gnana Mayuri(IT)
Wednesday	Drama	Sashikala(S&H)
	What the good word	Usha Sri(CSE)
Thursday	Painting, Photography	Venu Gopal(Mech)
	Debate, JAM	Sandeepa(Mech)
Friday	Mimicry	S.Satish Goud(S&H)
	Essay writing, Precise writing, Technical Report writing	Sudhakar Medi(S&H)

For the Academic Year **2014-15:**

- Celebrated Teacher's day on 5th of Sept 2014.

For the Academic Year **2013-14:**

- The activities are planned from Monday (08-07-13) after college hours from 4.45pm to 5.45pm for five days a week excluding Saturday.
- There will be a display of talent after every semester and the best performances will be awarded prizes and certificates for their excellence.
- The main motto of the club is to cutivate competitive spirit among students.

For the Academic Year **2012-13:**

- Activities like Colour Day, Talent Day, and Traditional Day were conducted by the Fine Arts Club last year.
- Colour Day was organized on 21 December, 2012 for all the students and staff.
- On this day all girl students were dressed in maroon colour and boys wore cream shirts with black trousers. The staff also dressed in compliance.
- The Best Dressed Male and Female were selected from among the students and were given prizes.
- The New Year's Eve was celebrated with pomp. The first year students showcased their talent in various activities like dancing, singing (vocal and instrumental), reciting poems, mimicry, etc.,
- Geethanjali is not just about studies but also about imparting cultural values and traditions
- Traditional day was held on 11 January, 2013 with activities like Rangoli Competition, Mehendi Competition, and Kites festival.
- The traditional ramp walk and traditional folk dances became a huge hit. All this invigorated the spirit of culture and tradition.

CO-CURRICULAR ACTIVITIES:

- We at Geethanjali have a strong commitment to mould our students not only academically but also as good human beings and become role models for the future generations.
- In this direction we have different clubs namely Mathematical Club and Literary Club to bring the hidden talents to the surface.
- We encourage student community to participate in the above mentioned clubs**.**

LITERARY CLUB:

Activities for the Academic Year 2013-14

- Inter college Literary Fest in March
- Geethanjali Model Event UN in March

Activities for the Academic Year 2012 - 13

- The Literary Club was started to enhance the written and spoken skills among the students. This also aids as a release for the student's creative energies.
- The students find such activities invigorating and help them in their academic pursuits.
- A student's corner SPANDANA was started to enable the students to exhibit

their literary talents.

- "Alphabetica 13" – An inter college Literary fest was conducted on 11 March 2013 by the Literary Club.

The Literary club Committee:

S.No.	Name of the Staff Member S/ Sri / Smt.	Position
1	K Madhumathi S&H	Coordinator
2	K Sai Anusha S&H	Member
3	B Nagamani, S&H	
4	G Sunil, S&H	
5	Ruchika, IIIYr ECE 12R11A0499	
6	Sahasra II Yr CSE 13R11A05K7	
7	Geethika, III Yr, IT, 12R11A1269	
8	G Ruthvik IIYr, ME, 13R11A0342	
9	Lohit II Yr EEE 13R11A0229	

The events conducted by Literary Club:

Academic Year 2011-12			
S.No	**Date**	**Event**	**No. of participants**
1	12-03-12	Spellothon	35
2	12-03-12	Philosana	73
3	12-03-12	Yin-Yang	17
4	12-03-12	Vistotion	25
5	12-03-12	Roast O Mind	52
6	12-03-12	Amor E Lettera	22
7	12-03-12	Geethanjali Mock UN	25

Mathematical Club:

- This club was started to augment the analytical and critical reasoning skills of the students thereby improving their life skills.
- As part of this activity an inter-collegiate mathematical fest christened Mathematica is held once a year.
- Mathematics Club organized two seminars on "Applications of Mathematics to Engineering" by eminent mathematicians to first year B. Tech students.
- "Mathematica 13" – An inter college Mathematical fest was conducted on 11 March 2013 by the Mathamatical Club.
- For the academic year 2013-14, mathematical club conducted a seminar on "Applications of Mathematics to Engineering Sciences" for I B.Tech students on 30-12-2013 by Dr. M. A. Srinivas, HOD, Department of Mathematics, JNTUH, Hyderabad.
- Mathematical Club is going to organize "Mathematica – 14" in the month of March.

The committee members are:

S. No.	Name and Designation	Position
1.	Dr. K.Narasimha Murthy	Coordinator

2.	Dr. S.Triveni	Members
3.	Dr. B. Prabhakar Reddy	
4.	N Subhadra	
5.	N Nagi Reddy	
6.	P Sailaja	
7.	D. Srilatha	
8.	G. Chandra sekhar	

The events conducted by Mathematical Club:

Academic Year 2012-13			
S.No	**Date**	**Event**	**No. of participants**
1	11-03-2013	MATH MNEMONICA	100
2	11-03-2013	MATHIONARE	150
3	11-03-2013	AMUSEMENTS OF MATHS	178
4	11-03-2013	MATH-O-LOGICAL	96
5	11-03-2013	SAVVYO HUNT	98
Academic Year 2011-12			
1	13-03-2012	1 2 3 4M ABC	71
2	13-03-2012	Math Trivia	96
3	13-03-2012	Math Mania	47
4	13-03-2012	Tricky Maths	33
5	13-03-2012	Fun To Be Alert	47

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, GATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

- The college has a tie-up with a leading training institute - Triumphant Institute of Management Education (TIME).
- TIME conducts two sessions a week for each class through the semester.

Students appeared and qualified in various competitive exams

Sl. No	**Name of the Competitive Exam**	**2010-11**	**2011-12**	**2012-2013**	**2013-2014**	**Total**
1	**UGC-CSIR-NET**	-	-	-	-	0
2	**UGC-NET/ SLET**	-	-	-	-	0
3	**GATE**	14	9	15	1	39
4	**CAT / GRE/ TOFEL / GMAT**	21	45	38	10	114
5	**Central /State services, Defense, Civil Services**	-	2	-	-	2
6	**Any other competitive exams (give details)**	10	2	2	-	14
	Total	45	58	55	11	

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

The college gives utmost importance to improving the quality among the graduates, as this is an important aspect of the mission of the college.

Orientation program for three days is conducted to all First year students on

i) Motivation and Goal setting
ii) Listening Skills, Reading Comprehension Techniques, Writing Skills
iii) Time Management
iv) Employability Skills
v) Differences between studying in Junior college and Professional colleges etc.

Mentoring:

- As a part of Mentoring, we spend considerable amount of time talking to students about their career and professional goals, concerns, and suggestions for improving their learning experience.
- A mentor diary is maintained for each student from the date of joining, which will he continued till the end of the course.

The Duties of a Mentor are:

- Fill the student's Academic and Personal Profile
- Meet the mentee every fortnight
- Submit the report to HoD once every fortnight/immediately if emergency arises.

- The following guidelines are to be used if the parent is not around to assume the responsibility for the student's behavior.
- The parents are informed about the steps taken and the situations that forced to take those steps.

Program Rules:

- Discussions between mentor and mentee are confidential. The mentee's personal or family life may be difficult to discuss, particularly early in the relationship.
- If a particular situation or concern is beyond mentor's ability to handle, it will be raised to the HOD, Principal or Secretary depending on the nature of the problem.

Training and Placement cell

- Since its inception, the college has been continuously striving its best in working towards enhancing the professional culture to serve the needs of an ever-changing and dynamic learning community in an exemplary manner.
- The college has a Training & Placement cell (T&P cell) which guides the students on all aspects of career planning, job searching, and post-graduate studies.
- The objectives of the cell, inter alia, are:
  a. To offer career guidance programs and to provide assistance and resources to support students in making real life connections to academic learning.
  b. To enable students to gain the skills, ability and confidence to transit successfully to further studies/work/self-employment or any other activity in which he/she lands deliberately or unconsciously.

c. To provide services which expose students to infinite possibilities available in their future; to equip them with the tools they need to plan for future endeavors and to provide continued support and encouragement that they need to be successful in career as well as life.

d. To enable students to evaluate various career options and embark on their career path to meet their interests by showing them how to assess their interests and talents.

e. To help find answers to the following questions which worry students:

- What am I going to do when I leave college?
- Do I meet the entrance requirements of places of higher education?
- Can I afford to study further?
- Will I find a job in my chosen field and place?
- Should I take a gap/break after college?
- Are some places better to study than others?
- Is my degree internationally recognized?
- Will my job earn me the money to live the lifestyle I desire?

Finding answers to these questions is easy if one has a good understanding of himself/herself and his/her choice of careers.

It is possible to find a career path for each individual which draws on their strengths and builds on areas requiring improvement.

f. Facilitate students to realize their career priorities and goals; provide students with skills needed to help manage their career throughout their professional life; to help students assess their aspirations and capabilities; to advice and assist them about study opportunities, fellowships and academic programs in the country and abroad, career choice and decision-making etc.

g. Help the student, on an individual basis, formulate his/her own career plans as well as determine the nature of assistance needed from the office.

h. To provide various services like:

- Identifying strengths of students and guiding/counseling appropriately.
- Appraisal
- Follow-up
- Referral (Self; faculty recommendation or formal faculty referral)
- Relevant information

The college conducts workshops on career options so that students are better informed of the plethora of career choices. The center for career guidance works with students and alumni reach to the following goals:

- Broad exploration of various career options
- Pursuing post graduate studies
- Finding work that is consonant with one's values, such as long-term economic stability, intellectual challenge, professional prestige, working toward a sustainable environment, and/or balancing family and work.

These goals are achieved through following steps:

- The T&P cell maintains substantial databases of jobs, part-time and full-time post-graduate programs, and helps students prepare for their job search through assistance with resumes and interviewing practice.
- The college library is resourced with up-to-date resources on career fields, post-graduate programs and information on potential employers.
- The college conducts on-campus recruiting program through which employers come to represent their organizations to our students, as well as interview them for permanent positions.
- Employers often visit our campus to speak with students in small groups. Sometimes, the sessions are planned for students participating in on-campus recruiting programs.
- We encourage students to try new techniques and expand their skills.
- We let students know that mistakes lead to better learning. Share a less-than-successful experience of your own and what it taught you.
- We encourage students to appear for GATE and other such examinations and provide special guidance.
- We reassure students of their skills and abilities to succeed.

Psycho-social counseling:

Dr. V George Reddy, MBBS, DPM, Neuro Psychiatrist/Consultant was appointed to deal with psycho-social problems faced by the students and council them on need basis.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. The institution has structured mechanism for career guidance and placement of students, as detailed below:

1. **Center for Academic and Career Guidance**

Aim: To shape up into a center facilitating academic excellence of every student and to help discover his/her full potential and strive to attain success in his/her chose field.

Activities:

a. To offer career guidance programs and to provide assistance and resources to support students in making **real** life connections to academic learning.
b. To enable students to gain the skills, ability and confidence to transit successfully to further studies / work/self-employment or any other activity in which he/she lands deliberately or unwittingly.
c. To equip students with tools needed to answer the "life Long Learning" questions.
    - Who Am I?
    - What Am I Doing?
    - Why Am I Here?
    - Where Am I Going?

- How do I Get There?

d. To encourage student to open their mind to the numerous opportunities awaiting them.
e. To explore their interest and talents and to take a realistic look into the world that awaits them.
f. To provide services which expose students to infinite possibilities available in theirfuture; to equip them with the tools they need to plan for future endeavors and to provide continued support and encouragement that they need to be successful in career as well as life.
g. To enable students to evaluate various career options and embark on their career path to meet their interests by showing them how to assess their interests and talents.
h. To help find answers to the following questions which pester students:
    - What am I going to do when I leave college?
    - Do I meet the entrance requirements of places of higher education?
    - Can I afford to study further?
    - Will I find a job in my chosen field and place?
    - Should I take gap/break after college?
    - Are some places better to study than others?
    - Is my degree internally recognized?
    - Will my job earn me the money to live the lifestyle I desire?

    Finding answer to these questions is easy if one has a good understanding of himself / herself and his/her choice of careers. It is possible to find a career path for each individual which draws on their strengths and builds on areas requiring improvement.
i. Facilitate students realize t heir career priorities and goals; provide students with skills needed to help mange their career through out their professional life; to help students assess their aspirations and capabilities; to advice and assist them about study opportunities, fellowships and academic programs in the country and abroad, career choice and decision-making etc.
j. Help the student, on an individual basis, formulate his/her own career plans as well as determine the nature of assistance needed from the office.
k. To provide various services like:
    - Identifying strengths of students and guiding/counseling appropriately.
    - Appraisal
    - Follow-up
    - Referral (Self: faculty recommendation or formal faculty referral)
    - Relevant information.

2. <u>Center for training and placements</u>

The placement cell of the college is a perfect blend of inter-departmental faculty supported by a full-time placement officer in carrying the functions related to the centre. The centre caters to the placement needs of the students and acts as a bridge between the employer and the potential employers. The main activities of the centre are as follows:

- Prepare and maintain database of top national/international companies and understand their expectations, constitution of HR team etc. In the process services some students could be utilized. This will enable them to learn and understand about the company, which helps them during their interviews
- Aid students develop or clarify their career interests or queries.

- The centre also learns students' short term and long term goals through individual counseling.
- Provide support in developing and implementing successful job search strategies.
- Coordinate with faculty, heads of the department and with the administration to assimilate career planning. The centre also takes the responsibility to coordinate project work, summer training or internship programs.
- The centre also takes an active role in preparing a presentation on the college, accessible to potential employers.
- Compile and maintain students' profiles and their résumés
- Assist employers to achieve their hiring goals.
- Empower and provide resources that facilitate their career planning process and decision making skills.
- Acts as a connecting link between students, alumni and the employment community.
- Assist companies in recruiting candidates as per their requirements and assist students in securing final placement in reputed companies.
- To keep track of all the advertisements related to placements, as per the profiles of the students
- Organize placement training for the students at regular intervals
- The training and placement centre acts as a catalyst between the students and the recruiting companies.

3. <u>Center for soft skills and personality development</u>

- The centre for soft skills and personality development provides support to the students to discover their personality traits by imparting life skills and by developing an attitude that demonstrates their best and displays confidence.
- To assimilate skills of the students acquired through formal education and employability skills like decision-making, negotiating techniques, leadership qualities which enables the individual to blossom to his/her fullest potential.
- To enhance the employability skills of the students by providing them with required career orientation guidance.

Functions of the Centre

- Identify the needs of the students and skills in demand by the recruiting authorities.
- Structure different programs and tailor made for the students to learn to be absorbed easily in any organization
- Provide opportunities to attend workshops on personality development
- Identify the personnel and allocate topics which they can handle to the best of their abilities.
- Make sure that the centre conducts programs including topics like importance of effective communication, verbal ability, social skills, and etiquette and above all make the students aware and understand the purpose of one's existence and role to fulfill.
- Procure relevant books, journals and other learning material and ensure to make use of the same effectively.
- Address and encourage faculty concerned to take up these assignments seriously, with required motivation and to teach with passion

- Ensure that good number of students participate in the sessions by constantly monitoring their attendance.
- Review the performance of the centre periodically and adopting corrective measures when required.

4. Center for students performance monitoring and counseling

The primary aim of the centre is to monitor students' attendance and to reduce the number of students detaining from their courses. The centre is also responsible in maintaining and improving discipline and punctuality among the students. The centre works in a supportive and amicable atmosphere to provide professional assistance to the students. It offers advice as and when necessary to students with one on one interaction on academics and other related issues. It also provides counseling to students who experience academic setback due to various reasons, or fall short of required attendance or violate or deviate from general code of conduct in the college.

The centre also focuses to:

- Review students' performance based on the result analysis. It also provides suggestions to make changes in instructional methodology, if required.
- Provide professional counseling services to students
- Help the students to resolve academic difficulties by conducting reviews periodically and by identifying the gaps in their understanding
- Provide a plethora of supportive activities and services to enhance the learning experience of the students.

In order to fulfill all the above mentioned responsibilities, the activities of the counseling centre are broadly classified into two heads, viz., 1. Academic 2. Attendance& Discipline

Academic

- Academic counseling is generally conducted twice in a semester. The first counseling session is conducted at least five to six weeks before the first mid-exam. The second counseling is conducted at least five to six weeks before the second mid-exams. There is a regular follow up even after the counseling sessions.
- Students with backlogs are identified, counseled to know various reasons for their poor performance and provide them with adequate support and guidance.
- Remedial classes are arranged to help the students to improve their performance.
- The academic performance of those students who attend the remedial classes are frequently monitored and reviewed.
- Parents are informed about their wards' academic performance from time to time.

Attendance

- The centre ensures that attendance in every department is compiled once in a fortnight and the same is displayed on the notice board.
- Students with low attendance percentage are informed about the same and they are made aware of the fact that good attendance percentage helps in securing good academic percentage.
- An undertaking is to be taken from students falling short of attendance. This will create an awareness and sense of responsibility among the students and they feel accountable.
- Parents of students with less attendance percentage are also intimated as and when required.

Discipline:

- The centre takes steps to educate the students on the importance of maintaining discipline within and outside the college.
- The centre helps in maintaining discipline in the college. Acts of indiscipline like inappropriate dress code, improper behavior in the class and premises, involvement in ragging, malpractice in examinations, absconding from the class or smoking are dealt with sensitively, yet seriously.
- As per the College Academic Committee the centre may constitute inter disciplinary committee to monitor and maintain discipline in the college.
- Any act of indiscipline is brought to the notice of the centre immediately.

Operational plan of the centre

- Heads of various departments nominate few of their faculty members to work in liaison with the centre on behalf of the department.
- The centre conducts periodical meetings with the faculty concerned for smooth and effective functioning of the centre.
- The centre may design required formats and circulate the same to all the HODs to be filled and submitted periodically. This will allow a free flow of information from each department to the centre, which is consolidated to put up to the Director.

5. **Center for Student activities.**

Introduction: The objective of education is not confined to intellectual development only but also an all round development of personality, i.e. besides intellectual growth, education shall also cater to the emotional, physical, psychological and social development. The development in these areas may take place if curricular activities are supplemented with co-curricular and extra-curricular activities.

Through participation in these activities, students learn self-discipline, team spirit, build self-confidence, develop skills to handle competitive situations and equanimity to accept win or lose situations.

Vision:

To ensure full blossoming of the total personality of the students by encouraging them to actively associate in co-curricular and extra-curricular activities while rigorously pursuing education embedded in curriculum.

Mission:

The mission is to help students discover their full potential by strengthening class room learning with other activities, both inside and outside the classroom to chistle them to be proud citizens of the country.

Activities of the center:

1. To promote and provide opportunities in college for development of co-curricular and extra-curricular activities.
2. Activities such as indicated below (not given extensively) could be under taken to derive the benefits indicated against them:
   a. Debate: helps the students to explore a topic from several points of view.
   b. Painting: helps the students to manifest their thoughts in the form of their art work.
   c. Role Play: Describes possible real life situations.
   d. Essay writing: Helps the students to develop the competence of logical and rational thinking regarding societal issues.
   e. Village adaption Activity: Helps exposed to real life situations and provides opportunity to pay back to society.
   f. Social education laboratories/clubs could be be set up for transmitting societal education messages for which innovative materials and programs should be developed.
   g. Special days / Events / Weeks societal themes and issues should be encouraged like work AIDs day, Environment day, Women's day etc.
   h. Cultural events like skit/dance, drama, music, photography are to be organized.
3. Activities which support the academic mission of college should be encouraged.
4. Activities which are inherently educational should be organized like team work, sportsman ship, hard work etc. which help the students to become responsible adults and productive citizens.
5. Co-curricular and extra-curricular activities foster success even in the post-collegiate life of an individual. They are often a predictor of success in the years to come.
6. Every student should be encouraged to actively participate in all co-curricular and extra-curricular activities. These activities are the means to instill confidence and install active social interaction among students for their endeavors.
7. Literary events, sports and games should necessarily be planned in a structured format with specific dates.

8. To create an environment to promote learning through creative self-expression and at the same time offering enjoyment, relaxation, satisfaction and recreation to the students.
9. The center will be concerned with activities surrounding student life. Develop activities which focus on fun.
10. Once in a semester college sponsored informal get together for students, staff and faculty could be organized.
11. Establish a senior students committee in organizing induction program for freshers.
12. Organize programs on social and political environment (weekend series) / Government, Business and society.
13. Set up Art of Living / Yoga workshops.
14. Interaction should be organized between the current students and the alumni.
15. Two student conferences per year should be organized.
16. Help establish student network which will interact with professionals for further networking.
17. Different student clubs such as technology club, hobbies club etc. can be established.

Training Programmes Conducted:

Along with the full time training imparted by the in-house training over the period of study, these additional programmes are being conducted

Sl. No.	Event Name	Topic	Resource Person/Institution	Date	Target Audience
1.	Seminar	To improve their recruitment skills and technical skills	Victor Minds	13-10-11 to 30-10-11	4th year students (2012 Passouts)
2.	Guest Lecture	Expectations from industry and selection process	V. Chaitanya- Senior manager-HR, Apps associates	5-08- 2011	4th year students (2012 Passouts)
3.	Guest Lecture	How to face interviews	Mr. Narendra Shukla, CEO, Cordys	19-10- 2011	4th year students (2012 Passouts)
4	Workshop	Motivating Students in reaching their goals	Mr. Syed Noor Md. Shakir – Hyderabad	10-09-2012	IV year B.Tech students
5	Guest Lecture	Mind control activities	Mr. Shakthi Raj Singh Thakur, Brahma Kumari Matt-Hyderabad	16-10-2012	Faculty and 1st yeat B.Tech students
6	FDP	Teaching Methodologies	Brahmakumaris Viswa Vidyalaya Hyderabad	06-11-2012	Faculty
7	FDP	Personality	Mr. Satish	23-11-2012	Faculty

		Development	Govindan, Sixth Sense India Ltd., Hyderabad		
8	Guest Lecture	Career Guidance	Lions Club-Yuvanirman Group, Hyderabad	21-01-2013	IV year B.Tech students
9	Seminar	Ethical Hacking	Mr. Jay Bavisi, President, EC-COUNCIL, USA	28-01-2013	III & IV tear CSE, IT students
10	Workshop	Motivating Students in reaching their goals	Mr. Syed Noor Md. Shakir – Hyderabad	17-09-2013	2014 Passouts
11	Guest Lecture	Bridging Gap between Industry and Academic	V.Chatanya – Head LIR Nel X Cell HYD	24-08-2013	IV Year 2014 Passouts
12	Guest Lecture	Developing laws of Cyber Crime & Ethical lacking	Data 64 – Head HR Pune	29-01-2014	IV & II Years 2014 & 2015 Passouts

Table: Branch-wise details

Academic year	No. of Companies visited	Total placement	ECE	CSE	IT	EEE	Mech	MBA	MCA
2011-12	20	146	35	37	22	46	-	4	2
2012-13	69	317	94	80	67	11	-	60	5
2013-14	27	206	59	56	38	45	-	8	-
2014-15	47	267	75	51	68	27	32	14	-

Academic Year	No. of Companies Visited	No. of Students Selected	No. of Eligible students - 60% and above	Branches	Range Of CTC (Highest to Lowest)	Overall Placement Percentage
2011-12	20	146	250	B-Tech , MCA,MBA	Rs 3.65 LPA – Rs 1.50 LPA	58.4
2012-13	69	317	450	B-Tech , MCA MBA	Rs 4.25LPA -1.2 L PA	70.44
2013-14	27	206	325	B-Tech, MCA MBA	Rs 3.95LPA - 1.6LPA	63.4
2014-15	47	267	350	B-Tech, MBA	Rs 6.00LPA- 0.96PA	76.3

Name of the companies that selected students from GCET:

- **For Academic Year 2011-2012**

S.No	Name of the company	Offers
1	OCEAN SHIP MARITIME SERVICES P LTD	**22**
2	SYNTEL INC LTD	**6**
3	VIKAS MATHUR-VICTORY METAL FINISHERS	**20**
4	L CUBE INNOVATIVE SOLUTIONS	**10**
5	MAQ SOFTWARE LTD	**0**
6	Robert BOSCH Ltd	**0**
7	ORACLE FINANCIALS LTD	**2**
8	ADP INDIA LTD	**1**
9	INFOSYS LTD	**7**
10	DELL COMPUTERS LTD	**0**
11	KEANE INDIA LTD	**2**
12	DARK HORSE IT CONSULTING PVT LTD	**5**
13	NISUM TECHNOLOGIES	**1**
14	HCL COMNET TECHNOLOGIES	**5**
15	IBM INDIA P LTD	**2**
16	PROCESS GLOBAL INC	**11**
17	MAHAVEER INFOWAY LTD	18
18	ELSOFT TECHNOLOGIES (P) LTD	15
19	UNITED TECHNO GROUP	18
20	IBM INDIA PVT LTD	1
	Total	**146**

- **For Academic Year 2012-2013**

S.No.	Name of The Company	No. of Selections	Date of Interview
1	EXL INFOTEL	18	16th,17th-NOV-2012
2	YASH TECHNOLOGIES	9	6-Dec-12
3	CODE SEMANTICS	12	7-Dec-12
4	OSMOSYS	13	8TH-DEC-2012
5	APPS ASSOCIATES	8	17,18-DEC-2012
6	LUMOS SOFTWARE SOLUTIONS PVT. LTD.	4	21-Dec-12
7	MAGNAQUEST TECHNOLOGIES LTD	1	3rd,4th JAN-2013
8	BILLS 'N' TICKETS TECHNOLOGY SOLUTIONS	4	15-Feb-13
9	ADP	0	18-Jan-13
10	FINANCIAL SOFTWARE SYSTEMS	5	26th JAN-2013
11	ADDAXIE TECHNOLOGIES	17	1ST,2ND,17-FEB-13
12	NTT DATA	4	21st,23rd-Feb-13
13	VIJAI ELECTRICALS	0	25th-Feb-13
14	DRISHTI SOFTWARE SOLUTIONS	0	5th-March-13
15	INFOBRAIN TECHNOLOGIES	4	15th-March-13
16	K12 TECHNO SERVICES PRIVATE LTD.	12	28th-March-13
17	IBM (OFF CAMPUS)	0	31th-March-13
18	BETA SOFT SYSTEMS PVT.	14	13th-April-13

	LTD.		
19	RIKTAM TECHNOLOGIES	0	9th-April-13
20	IQ CHANNELS PVT. LTD.	2	20th-April-13
21	IBM (ON CAMPUS)	1	23rd-April-13
22	JP INNOVATIVE BEACONS PVT.LTD.	13	16th-May-13
23	ARYAKA NETWORKS	1	16th-May-13
24	MAHINDRA SATYAM	2	18th-May-13
25	SITEL	7	18th-May-13
26	POLARIS	10	18th-May-13
27	PANTERRA NETWORKS	0	19th-May-13
28	IN10S TECHNOLOGIES	2	21st-May-13
29	GOOGLE	1	22nd-May-13
30	INVESCO	2	8th-June-13
31	UNISTRING SOLUTIONS TECH PVT. LTD.	4	22nd-June-13
32	AGS TECHNOLOGIES	2	29th-June-13
33	OPTIMA INTEGRATED COMPUTER SOLUTIONS LTD.	32	10th-July-13
34	KTREE COMPUTER SOLUTIONS INDIA LTD.	0	23rd-July-13
35	INVESCO (ON CAMPUS)	1	12th-Aug-13
36	AISHWARYA TECHNOLOGIES & TELECOMS PVT. LTD.	1	13th-Aug-13
37	TRAINZ PVT LTD	1	15th-Sept-13
38	PINNACLE GENERATORS	3	17th-Sept-13
39	REVA SOFT SYSTEMS Ltd.	1	17th-Sept-13
40	SONY INDIA	3	19th-Sept-13
41	OXFAM	4	19th-Sept-13
42	PRIYA INDUSTRIES	3	19th-Sept-13
43	GISL	0	19th-Sept-13
44	EPITOME	1	19th-Sept-13
45	LOGIC ERP	0	19th-Sept-13
46	ICICI	14	19th-Sept-13
47	RELIANCE	12	19th-Sept-13
48	STERLING TELECOM	1	19th-Sept-13
49	MAQ SOFTWARE	1	20th-Sept-13
50	MULTIPLIER SOLUTIONS	1	23rd-Sept-13
51	VIRTUSA Ltd.	1	26th-Sept-13
52	INTERGLOBE TECHNOLOGIES	0	18th-Oct-13
53	TECH MAHINDRA	21	10th-Oct-13
54	DARK HORSE TECHNOLOGIES	0	23rd-Oct-13
55	SYNTEL	5	26th,27th-Oct-13
56	AXIS BANK	0	29th-Oct-13
57	COGNIZANT TECHNOLOGY SOLUTIONS	15	7th-Nov-13
58	VIRTUSA Ltd. (Off Campus)	2	12th-Nov-13
59	CGI INFORMATION SYSTEMS	0	18th-Nov-13

60	MAQ SOFTWARE	0	22nd-Nov-13
61	HUAWIE TECHNOLOGIES	0	25th-Nov-13
62	ACCENTURE	12	1st-Dec-13
63	L&T INFOTECH	5	1st-Dec-13
64	CAPGEMINI	1	2nd-Dec-13
65	INFOSYS	4	27th-Jan-14
	TOTAL	**317**	

- **For Academic Year 2013-2014**

S.No.	Name of The Company	No. of Selections	Date of Interview
1	DARK HORSE TECHNOLOGIES	3	23rd-Oct-13
2	NTT DATA	3	23rd-Dec-13
3	MULTIPLIER SOLUTIONS	6	28th-Dec-13
4	ADP	1	30th-Dec-13
5	BISLERI PVT. LTD.	10	4th-Jan-14
6	INRHYTM SOLUTIONS	3	7th-Jan-14
7	TECH MAHINDRA	55	20th-Jan-14
8	INRHYTHM SOLUTONS	2	22th-Jan-14
9	SEA WORLD MARITIME PVT LTD	31	27th-Jan-14
10	GENPACT	15	7th-March-14
11	TCS	2	8th-March-14
12	KTREE COMPUTER SOLUTIONS	2	18th-March-14
13	TERADATA	5	19th-March-14
14	AMAZON DEVELOPMENT CENTRE	3	6th-April-14
15	OPEN TEXT CORPORATION	2	11th-April-14
16	ACCRETE GLOBUS TECHNOLOGY	2	12th-April-14
17	DATA 64 CYBER SOLUTIONS	4	16th-April-14
18	COGNIZANT	11	19th-April-14
19	CADSYS INDIA Ltd.	13	6th-May-14
20	PRIYA INDUSTRIES	10	12TH-MAY-14
21	GOOD THROUGH	4	5th-june -14
22	XWITH	8	16TH-JUNE-14
23	CMC ltd	4	
24	UNIVERSAL HUNT	2	
	TOTAL	**198**	

- **For Academic Year 2014-2015**

S.No	NAME OF THE COMPANY	Date	CANDIDATES SELECTED
1	FCS Tech Systems	3/10/2014	0
2	ZEN technologys	06/10/204	0
3	Inrythm	10/10/2015	0
4	Mphasis	9/10/2014	18
5	Zenophsys	31/10/2014	6
6	Osomsys	1/11/2014	9
7	Zevan Technologys	11/11/2015	8
8	Eider Motors	12/11/2014	14
9	DARK HORSE	29/11/2014	12
10	MIND TREE	19/12/2014	1

11	CA TECHNOLOGIES	23/11/2014	1
12	NTT DATA	2/1/2015	5
13	CARBON SOFTARE SOLUTIONS	2/1/2015	2
14	ADP	12/1/2015	1
15	VIRTUSA	21/01/2015	4
16	MAQ SOFTWARE	12/1/2015	1
17	HCL	21/0/2015	1
18	APPS ASSOCIATES	31/01/2015	5
19	Vsigma	4/2/2015	12
20	ADVANTAGE ONE	5/2/2015	4
21	BestTaxfiler	9/2/2015	1
22	TVARANA	13/02/2014	3
23	FONY Software Solutions	14/02/2015	16
24	IBM	11/2/2015	2
25	XL Dynamics	25/02/2015	12
26	INFOSYS	25/02/2015	7
27	CONGURENT	29/02/2015	0
28	GANPACT	3/3/2015	31
29	RADICON	13/03/2015	4
30	CSC	27/02/2015	2
31	TCS	12/3/2015	1
32	DATA 64	17/03/2015	11
33	CYIENT	25/03/2015	6
34	EA SPORTS	24/04/2015	4
35	OFOS SERVICES PVT LTD)	4/4/2015	30
36	AISWARYA TECHNOLOGYS	23/01/2015	3
37	RETAIL ON INDIA LTD	6/4/2015	0
38	R SYSTEMS INTERNATIONAL LTD	10/04/2015	10
39	PRATAIN TECHNOLOGYS	6/4/2015	0
40	INFOR ENTERPRISE PVT LTD	4/4/2015	3
41	GOOGLE INDIA	18/04/2015	Waiting for result
42	SURTHERLANDS GLOBEL SERVICE LTD	15/04/2015	Waiting for result
43	IBM INDIA LTD	27/04/2015	0
44	VISION TECK LTD	2/5/2015	Waiting for result
45	EXCERS SOFT WARE SOLUTIONS	15/05/2015	1
46	ZEN 3 Info solutions	29/05/2015	15
47	SITEL	3/6/2015	1
	Total till date		267

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the

grievances reported and redressed during the last four years.

- Yes, Geethanjali College of Engineering and Technology has Grievance Redressal Committee as listed below.
- The students having grievances may submit their grievances in writing to Grievances Redressal Committee.
- Matters on which HODs can take decisions are examined and resolved at departmental level by Departmental Grievance Redressal Committee.
- Matters concerning the college as a whole are examined and resolved by institutional level Grievance Redressal Committee. The Committee also take note of complaints and suggestions dropped in the suggestion boxes placed at strategic locations.
- If, the solution requires certain changes in policies, procedures, systems etc., the issues are discussed and resolved by College Academic Committee or Governing Body.

Student Grievance Redressal Committee

S.No	Name of the Staff Member	Position
1	Prof. K. Somasekhara Rao	Chairman
2	Dr. M.Srinivas	Member
3	S.Ramaseshagiri Rao	
4	Dr.S.T.Rajmohan	
5	A.Srilaxmi/J Mrudula	
6	Dr.M.Devaiah	Convenor
The committee meets on need basis as many times as required		

The college Student Grievance Redressal Cell addresses academic as well as non academic complaints.

Major Grievances of Students redressed:

- Improved drinking water facilities by installing more water purifiers.
- Toilets renovated
- Canteen facilities upgraded and the canteen shifted to a new premises
- Internet facility provided in the new library with a new computing center
- Digital Library facility provided with 24 systems
- Student support centre opened

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Women Protection Cell will address the issues related to sexual harassment based on complaints.

Women Protection Cell Committee

S.No	Name of the Staff Member	Position
1	Dr.S.Udaya Kumar	Chairman
2	Dr. G Neeraja Rani	Convenor
2	Deepa Panse	Members
3	S.Jyothirmayee	
4	S. Dedeepya	
5	D. Radhika	
6	B. Anitha	
7	B P S Jyothi	

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been

reported during the last four years and what action has been taken on these?

Yes, Geethanjali College of Engineering and Technology has Anti-ragging Committee.

Anti-ragging Committee

S.No	Name of the Staff Member	Designation	Dept	Position
1	Prof Dr. S Uday Kumar	Principal		**Chair Person**
2	Dr. M Devaiah	Prof & HOD	ME	Member
3	Dr. B Prabhakar Reddy	I/c HOD	S& H	
4	Dr. C Venkata Narasimhulu	Prof & HOD	ECE	
5	Dr. D Ratna Deepthi	Prof & HOD	CSE	
6	Prof. C Rama Seshagiri Rao	Prof & HOD	IT	
7	Dr. M Srinivas	Prof & HOD	MBA	
8	Prof. K Somasekhara Rao	Prof. & Dean-Acad.	ECE	
9	Y Amarnadh Reddy	Physical Director	S&H	
10	K Krishna Kishore	C.I Keesara	AP Police	
11	Saideshwar	S.I Keesara	AP Police	
The committee meets on need basis as many times as required. No ragging instances were reported in the last four years.				

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The following welfare schemes are made available to the students:

- **Scholarships & Free Ships:**

From time to time details about the scholarships and free-ships are displayed on the notice board of the institution. The scholarship coordinator takes care of the various scholarships that the students receive as part of welfare schemes introduced by the government from time to time. The college provides them free-ship on the basis of their performance in the academics, sports or extra-curricular activities. Similarly scholarships received from various central, state and other agencies are disbursed without any delay to the students.

Scholarships:

Sl. No.	Academic Year	Type of Scholarship	No. of Students Benefitted	Amount disbursed in Rs.
1	2010-11	SC	131	43,73,400
2		ST	48	15,94,300
3		BC	386	1,25,59,700
4		EBC	198	63,75,700
5		MW	28	9,00,000
6		DW	1	32,700
7	2011-12	SC	148	51,76,200
8		ST	47	16,48,900
9		BC	408	1,38,10,000
10		EBC	208	69,36,800
11		MW	37	12,24,800

12		DW	1	32,700
13	2012-13	SC	177	63,00,500
14		ST	48	17,14,500
15		BC	505	1,74,76,900
16		EBC	231	79,93,700
17		MW	46	15,89,900
18		DW	1	32,700
19	2013-14	SC	194	81,50,500
20		ST	52	22,44,000
21		BC	619	2,33,03,200
22		EBC	302	1,06,51,500
23		MM	53	18,24,000

Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence. Raja Reddy Memorial Award for academic excellence are given to the topper in each branch for all years of students.

Free-ships

Details	2013-14	2012-13	2011-12	2010-11
Category / Basis (Merit)	Merit	Merit	Merit	Merit
Scholarship Assistance (No.)	42	22	20	22
Amount	**2,14,000/-**	**2,20,000/-**	**2,00,000/-**	**2,20,000/-**

Convenience:

- In collaboration with the State Bank of Hyderabad, the institution assists all the students in opening an account with a zero deposit. The bank is very close to the college, less than 1 km from the campus. The facility to open an account with a zero deposit enables the students to make transactions with the bank for scholarships.
- Tata Insta-Cash ATM is available in the college premises.
- In each block separate rest rooms are made available to both boys and girls for the convenience of students.

Medical:

- College has an In-house Medical Centre/ Dispensary is appointed with a fulltime staff nurse to provide medical assistance to students and staff in need.
- In case of Emergency, an ambulance with Oxygen Cylinder, Stretcher is available in the college campus. In Needy Cases the college bares all medical expenditure.

Emergency medical care can be obtained at any of the following Hospitals located 5kms to 10kms away from the college

- Vijaya Hospital : 5 KMs away from the college
- Xenia Hospital : 10 KMs away from the college
- Tulasi Hospital : 10 KMs
- Polumi Hospital: 10 KMs

The college Ambulance can be arranged to move the patient to any of the above Hospitals with 10-20 Mts.

At the outset facilities available in the college for medical assistance are:

- Nursing staff : 1
- First aid kits : 20 (distributed at various department labs)
- No. of beds : 4
- No. of stretchers : 1
- Ambulance with Oxygen Cylinder and Stretcher
- Other accessories like B.P Apparatus, Tablets, Ointments, cotton and bandage.

Skill Development:

CACHE department of the college is responsible for Career Guidance, Training and Placement and Entrepreneurship development. It is a **unique initiative of Geethanjali.** Its features are

- Deals with **Career Guidance, Training, Placements and Entrepreneurship**
- With the intention of enhancing the students **understanding of employability**.
- Training imparted to students **from their freshman year**.
- Trained to be an **asset to their employers**.
- Various **innovative methods** of teaching are implemented
- A **special syllabus** is planned keeping in view the industry requirements and constraints of regular syllabus.
- Focus is on **Communication Skills, Aptitude, and Soft Skills**, developing the **Confidence of Students**, improving their **Body Language**, inculcating **Creativity** and into making them responsible individuals.
- A **special collection of books** is maintained at CACHE to draw students to books and the healthy habit of reading.
- Forging fruitful and mutually beneficial **linkages with industries** and professional organizations
- Getting **live projects** as well as providing placement assistance to its students.
- By organizing **guest lectures and seminars**.

Other Welfare Schemes include

1) Arrangement of buses for students and staff.
2) Bus facility beyond college hours for students and staff who are using Library and Sports
3) Providing separate recreation halls for boys and girls
4) Neat and clean canteen providing Food Stuff at reasonable prices
5) Providing facilities for various club activities run by the students beyond college hours.
6) Financial support to students College Fests, Annual Day, Fresher's Day, etc.
7) Stationery and photocopying Shop
8) Provision of 3000 ltrs per day of mineral water for drinking purpose.
9) Library facility beyond college hours.
10) Honoring students presenting papers in international journals.
11) Encouraging Top rankers.
12) Gold medals and academic awards for excellent performance of the students by various sponsors.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infra-structure development?

Yes, Geethanjali College of Engineering and Technology has **Geethanjali Alumni Association** registered with Registrar of Societies on 17th day of February, 2010.

Alumni Coordinators List

Sl.No.	Name of Coordinator	Department
1	M Umarani	ECE
2	Preethi Prasada	CSE
3	S Deepdepya	IT
4	V Padmaja	EEE
5	B Anitha	ME
6	K Naupal Reddy	MBA

- Geethanjali organized its Second Alumni Meet on 25th December 2013.
- The dates of this Meet were declared in the month of October itself and the news spread far and wide.
- Many of the alumni played active role in contacting their batch mates and others.
- The Meet was attended by 153 alumni of different batches that graduated from the year 2009 (First Graduating Batch) to 2013.
- There was special enthusiasm in all the batches.
- It was a great pleasure to know about their accomplishments in professional lives.
- Most of them were visiting their Alma Mater for the first time since their graduation, and naturally were thrilled to meet each other.
- Few alumni attended the meet with their spouses.
- After the discussion on the future developments the alumni came up with many suggestions regarding the syllabus, laboratory development etc.
- They also offered their services for the growth of Departments.
- Many of the Alumni have been helping Geethanjali in training, placement, development of modern laboratories, and delivery of expert lectures in emerging areas of technology.
- A feedback is also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at Geethanjali.
- The Alumni Meet concluded at a very emotional note. However, everyone appreciated the efforts for organizing the Meet.
- Everyone departed with a resolve to visit again and spread the message amongst all who could not visit this time.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Sl. No.	Program	Students Progress Towards	2014-15	2013-2014	2012-2013	2011-2012
1	ECE	Higher Education (UG to PG)	24	10	24	15
		Employment	75	43	94	36
2	CSE	Higher Education (UG to PG)	9	20	23	26
		Employment	54	80	87	48
3	IT	Higher Education (UG to PG)	15	6	5	8
		Employment	68	38	67	22
4	EEE	Higher Education (UG to PG)	4	8	9	-
		Employment	38	11	46	-
5	MECH	Higher Education (UG to PG)	06	-	-	-
		Employment	12	-	-	-

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the colleges of the affiliating university within the city/district.

Programme wise pass percentage and comparison with Previous Performance of the Same Institution

Sl. No.	Department Name	Students Pass Percentage			
		2013-14	2012-13	2011-12	2010-11
1	ECE	94.87	97.74	93.00	93.00
2	CSE	92.56	93.28	93.38	92.00
3	IT	93.85	81.90	80.00	80.00
4	EEE	79.71	79.66	72.00	45.00

Comparison with colleges of the affiliating university within the city/district in %

Sl. No.	Programme Name	Name of the Colleges of the affiliating university within the city/district				
		ACE College of Engg	VBIT	CMRIT	VJIT	GCET
1	B.Tech 1st year 2013-14	48	45	57	42	52
2	B.Tech 1st year 2012-13	55	53	67	63	58

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- Geethanjali College of Engineering and Technology facilitate its students in various ways for higher level of education and towards employment.
- The college conducts workshops on career options so that students are better informed of the wide range of career choices.
- The center for career guidance works with students and alumni towards the following goals:

- Broad exploration of various career options
- Pursuing post graduate studies
- Finding work that is consonant with one's values, such as long-term economic stability, intellectual challenge, professional prestige, working toward a sustainable environment, and/or balancing family and work.

The college has the following centers to facilitate student progression for higher level of education and towards employment.

1. Center for academic and career guidance.
2. Center for training and placements
3. Center for student performance monitoring and counseling
4. Center for soft skills and personality development.

These goals are achieved through following:

- The T&P cell maintains substantial databases of jobs, part-time and full-time post-graduate programs, and helps students prepare for their job search through assistance with resumes and interviewing practice
- The college library is resourced with up-to-date resources on career fields, post-graduate programs and information on potential employers.
- The college conducts on-campus recruiting program through which employers come to represent their organizations to our students, as well as interview them for permanent positions.
- Employers often visit our campus to speak with students in small groups. Sometimes, the sessions are planned for students participating in on-campus recruiting programs.
- We encourage students to try new techniques and expand their skills.
- We let students know that mistakes lead to better learning.
- We encourage students to appear for GATE and other such examinations and provide special guidance.
- We reassure students of their skills and abilities to succeed.
- Providing Letters of Recommendation.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Mentoring is provided to each and every student on regular basis. For students who are at risk of failure and dropout special counseling and remedial classes are conducted to them to bring in line with other students of his/her class.

The following lists out the analysis and measures taken to support students who are at risk of failure and dropout:

- College carries out result analysis for the different programs and it gets the information about academic performance of student at the risk of dropout.
- Internal evaluation tests of college also help to get the information about slow learners.
- Slow learners & Lateral Entry students are identified after observing their performance in class tests and first mid examinations. Such students are asked to explain their problems and the following measures are taken to reduce the drop outs.
    - Special classes are conducted for students deficient in language skills.
    - Remedial classes are organized to clarify doubts, explanation of critical topics for improving performance.
- One senior faculty member is assigned as counselor for every 20 students. The faculty counselor assesses the nature of their problems. Students with psychological / emotional problems are also motivated in a friendly way to reach their goals.
- Student Mentors interact regularly with students assigned to them and find out the academic performance of students and probable reasons for the same.
- College conducts parent meet twice in a semester and collects the feedback about the drop outs from various sections
- Poor performance due to frequent absenteeism is dealt with by informing the parents over phone and sending registered letters to the parents of such students.
- The college has WINNOU software for maintaining students' attendance and marks, user ids and passwords are created and are given to the parents. The parents have an opportunity to know about their ward's details of attendance on daily basis.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

List of sports, games activities available:

Improved facilities are established in the college with provision for games and sports under the supervision of a qualified Physical Director. The college has all the necessary material for Sports and Games, GYM equipment along with three Cricket Net practice pitches.

Infrastructure available:

S.No.	Sport / Game	No. of courts	Area
1	Basket Ball	1	94 feet X 50 feet
2	Volley Ball	2	18 Mtrs X 9 Mtrs
3	Throw Ball	1	60 feet X 40 feet
4	Kho-Kho	1	29 X 16 Mtrs
5	Cricket	1	82 X 82 Mtrs
6	Table Tennis	2	Indoor
7	Caroms	4	Indoor
8	Chess	5	Indoor

INTER COLLEGE TOURNAMENTS 2014-2015

S.NO	Name of the Event	No.of Student Participated from GCET	Venue	Credits/Prizes Won/JNTUH Representation
1	FOOT BALL(MEN)	15	CMR foot ball cup held at CMRIT	Participated
2	HAND BALL(MEN)	7	JNTUH Team selections at jntuh sports complex	Participated
3	TABLE TENNIS(MEN)	3	JNTUH Team selections at jntuh sports complex	Participated
4	SWIMMING(MEN)	2	JNTUH Team selections held at GHMC swimming pool	**3rd place**
5	CHESS(MEN)	3	JNTUH Team selections held at jntuh sports complex	Participated
6	KHO-KHO(WOMEN)	8	JNTUH Team selections held at jntuh sports complex	Participated
7	VOLLEY BALL(MEN)	12	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	**Semifinal**
8	BASKET BALL(MEN	12	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
9	KABADI(MEN)	12	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
10	THROW BALL(WOMEN)	12	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
11	TABLE TENNIS(WOMEN)	3	CVSR Sports bout 2015 held at ANURAGH GROUP OF	Participated

			INSTITUTIONS(CVSR)	
12	CARROMS (MEN&WOMEN)	6	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
13	FOOT BALL(MEN)	15	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
14	CHESS(MEN&WOMEN)	6	CVSR Sports bout 2015 held at ANURAGH GROUP OF INSTITUTIONS(CVSR)	Participated
15	VOLLEY BALL(WOMEN)	4	JNTUH Team selections held at jntuh sports complex	**Varsha chahal CSE-I Played at CHENAI**
16	BASKET BALL(MEN)	6	JNTUH Team selections held at jntuh sports complex	**M.Mukesh kumar-II Played at CHENAI**
17	BASE BALL(MEN)	6	JNTUH Team selections held at jntuh sports complex	**1.M.PramodkumarMBA-II 2.M.S.Raju,MECH-III Played at Guntoor Dist(AP)**
18	CRICKET(MEN)	15	13TH S.R. Champion Trophy held at S.R.Engg.college Warangal	Participated
19	CRICKET (MEN)	15	SAMSKRUTHI SPORTS FEST 2015	Participated
20	VOLLEY BALL (MEN)	12	SAMSKRUTHI SPORTS FEST 2015	Participated
21	CRICKET (MEN)	15	Amalgam – 2015 held at Holy Mary Institute	**RUNNER**
22	BASKET BALL (MEN)	12	Amalgam – 2015 held at Holy Mary Institute	Participated
23	THROW BALL (WOMEN)	12	Amalgam – 2015 held at Holy Mary Institute	**WINNERS**
24	BASKET BALL (MEN)	12	VNR VIGNAN JYOTHI SPORTS FEST – 2015	Participated
25	KABADDI (MEN)	12	VNR VIGNAN JYOTHI SPORTS FEST – 2015	**3rd Place**
ATHLETICS				
26	100 mts (MEN)	1	VNR VIGNAN JYOTHI SPORTS FEST – 2015	Participated
27	100 mts (WOMEN)	1	VNR VIGNAN JYOTHI SPORTS FEST – 2015	**Varsha Chawal (1st year) Silver Medal (II Place)**
28	4*100 mts (Relay)	4	VNR VIGNAN JYOTHI	Participated

			SPORTS FEST – 2015	

Inter College Tournaments 2013-2014

S.NO	Name of the Event	No. of Students Participated from GCET	Venue	Credits/ Prizes Won
1.	Cricket	15	SR International Institute of Technology	Participated
2.	Basket ball (Boys)	12	JNTU 'D' Zone Tournament held at NNREC	Participated
3	Badminton (Boys & Girls)	6	JNTU 'D' Zone Tournament held at NNREC	Participated
4	**Throw Ball (Girls)**	**12**	**JNTU 'D' Zone Tournament held at NNREC**	**Winners**
5	Volley Ball (Boys)	12	JNTU 'D' Zone Tournament held at NNREC	Participated
6	**Table Tennis (Boys & Girls)**	**6**	**JNTU 'D' Zone Tournament held at NNREC**	**Winners**
7	Cricket	15	JNTU 'D' Zone Tournament held at NNREC	Participated
8	Cricket	15	JNTUH Central Zone	Participated
9	Throw Ball (Girls)	12	VI AP Inter-Engineering College Sprots Meet	Participated
10	Table Tennis (Boys & Girls)	6	VI AP Inter-Engineering College Sprots Meet	Participated
11	Foot Ball (Boys)	15	SREE VISION – 2013 held at SNIST College	Participated
12	Volley Ball (Boys)	12	SREE VISION – 2013 held at SNIST College	Participated
13	Basket Ball	12	SREE VISION – 2013 held at SNIST College	Participated
14	**Throw Ball (Girls)**	**12**	**CVSR Sports BOVT – 2013**	**Semifinals**
15	Boxing (Pramod Kumar)	1	JNTUH (Selected in JNTUH University Team)	----
16	Cricket	7	JNTUH Cricket Team Selection held at TKR College	----
17	**Throw Ball (Girls)**	**10**	**JNTUH 'D' Zone held at St.Marrys Group of Institution**	**Winners**
18	**Table Tennis – Doubles (Girls)**	**2**	**JNTUH 'D' Zone at St.Marrys Group of Institution**	**Winners**
19	**Foot Ball**	**15**	**JNTUH 'D' Zone held at Nalla Narsimha Reddy Engineering College**	**Winners**

INTRA MURAL TOURNAMENTS 2014-2015

S.No	Name Of The Event	No.Of Students Participated
1	Cricket Boys	**675**

2	Valley Ball Boys	**324**
3	Throw Ball Girls	**120**
4	Foot Ball Boys	**180**
5	Tennikoit Girls	**18**
6	Kho-Kho Boys	**192**
7	Kho – Kho – Girls	**48**
8	Table Tennis Boys Doubles	**36**
9	Table Tennis Girls	**13**
10	Caroms Boys Doubles	**56**
11	Caroms Girls Doubles	**26**
12	Chess Boys	**18**
13	Chess Girls	**15**
14	Kabaddi – Boys	**240**
	Athletics	
15	100 Mtr Running	**22**
16	Shot Put	**9**
17	Discuss Throw	**9**
18	Javelin Throw	**7**

Intra Mural Tournaments 2013-2014

S.NO	NAME OF THE EVENT	NO. OF STUDENTS PARTICIPATED
1	Cricket - Boys	700
2	Basket Ball - Boys	150
3	Volley Ball - Boys	300
4	Throw Balls - Girls	102
5	Tenni koit – Girls	48
6	Kho – Kho – Girls	69
7	Table Tennis – Boys – Singles	56
8	Table Tennis – Boys – Doubles	96
9	Table Tennis – Girls	6
10	Athletics 1.100 Mtrs (Girls) 2. Shortput (Girls) 3. Javelin Throw (Grow)	 24 15 10

Intra Mural Tournaments 2012-2013

S.NO	NAME OF THE EVENT	NO. OF STUDENTS PARTICIPATED
1	Cricket - Boys	510
2	Basket Ball - Boys	132
3	Volley Ball - Boys	240
4	Throw Balls - Girls	72
5	Tenni koit – Girls	24
6	Kho – Kho – Girls	60
7	Table Tennis – Boys – Singles	28
8	Table Tennis – Boys – Doubles	76
9	Table Tennis – Girls	6

Inter College Tournaments 2012-2013

S.NO	Name of the Event	No. of Students Participated	Venue	Credits/ Prizes Won

		from GCET		
1	Cricket	15	Sreenedhi Sports Feast	----
2	ATHELTICS	3	JNTUH University Team Selections	----
3	Cricket	7	JNTUH University Team Selections	----
4	Foot Ball	3	JNTUH University Team Selections	----
5	Basket Ball – Boys	12	Sreenedhi Sports Feast	----
6	Volley Ball – Boys	12	Sreenedhi Sports Feast	----
7	Foot Ball	15	Sreenedhi Sports Feast	----
8	T.T Carroms	3	Sreenedhi Sports Feast	----

Inter College Tournaments 2011-2012

S.NO	Name of the Event	No. of Students Participated from GCET	Venue	Credits/ Prizes Won
1	Basket ball	12	Sreenedhi Sports Feast	----
2	Volley ball	12	Sreenedhi Sports Feast	----
3	Table Tennis (M/W)	6	Sreenedhi Sports Feast	----
4	Foot Ball	5	JNTUH Unversity team selection at MLRECT, Dundigal	----
5	Table Tennis (M/W)	3	JNTUH Unversity team selection at MGIT, Gandipet	----
6	Cricket	7	JNTUH Unversity team selection at Chacha Nehru Park, Masab Tank	----
7	Volley Ball	3	JNTUH Unversity team selection at NMREC, Ghatkesar	----
8	Basket Ball	7	JNTUH Unversity team selection at NNREC, Narapally, Ghatkesar	----
9	Cricket	15	10th SR Champions Cricket Trophy at SR College Rampelly	----
10	Volley Ball (M)	12	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----
11	Basket Ball (M)	12	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----
12	**Table Tennis (M/W)**	**6**	**JNTUH D-Zone tournaments at NMREC, Ghatkesar**	**Runners (Single Women)**
13	**Badminton (M/W)**	**6**	**JNTUH D-Zone tournaments at NMREC, Ghatkesar**	**Winners (Doubles Women)**
14	**Foot Ball (M)**	**15**	**JNTUH D-Zone tournaments at NMREC, Ghatkesar**	**Winners (Men)**
15	**Throw Ball (W)**	**12**	**JNTUH D-Zone tournaments at NMREC, Ghatkesar**	**Runners (Women)**
16	Cricket (M)	15	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----

A. Sports Committee

The following sports committee makes arrangements for students to participate in various sports and games on all days. The committee also

conducts various internal competitions on special occasions like Annual Day, and trains, motivates and facilitates participation of students in inter college and university tournaments

Sl. No.	Name	Designation	Dept.	Position
1.	K. Mahender	Assoc.Prof	EEE	Chairman
2.	S. Jyothirmayee	Assoc. Prof	ECE	Member
3.	B. Vanaja Rani	Asst. Prof	S&H	Member
4.	M. Venkateshwarlu	Physical Director	S&H	Co-ordinator
5.	Y. Amarnadh Reddy	Physical Director	S&H	Member

In the Academic year 2011-12 the inter murals tournaments conducted and the number of students who have participated in various events are as follows:

Intra Mural Tournaments 2011-2012

S.NO	NAME OF THE EVENT	NO. OF STUDENTS PARTICIPATED
1	VOLLEY BALL (BOYS)	300
2	BASKET BALL (BOYS)	192
3	CRICKET	480
4	CARROMS (BOYS) DOUBLES	98
5	T.T. (BOYS) SINGLES	37
6	T.T (BOYS) DOUBLES	32
7	CARROMS (BOYS) SINGLES	45
8	CAROMS (GIRLS) SINGLES	15
9	CHESS (BOYS)	56
10	THROW BALL (GIRLS)	192
11	KHO-KHO (GIRLS)	180
12	CHESS (GIRLS)	23
13	TABLE TENNIS (GIRLS)	
14	TENNIKIOT (GIRLS) DOUBLES	44
15	CARROMS (GIRLS) DOUBLES	52
	ATHETICS	
16	JAVILIN THROW (BOYS)	14
17	SHOT PUT (BOYS)	31
18	DISCUSS THROW (BOYS)	16
19	100 MTS (BOYS)	56
20	SHOT PUT (GIRLS)	12
21	JAVLIN THROW (GIRLS)	07
22	100 MTS (GIRLS)	26
23	DISCUSS THROW (GIRLS)	17

a. Sports Instructors

The particulars of the sports instructors in the college are as follows

1. Y. Amarnadh Reddy , Physical Director M.A. M.Ped
2. M. Venkateswarlu , Physical Director M.A. (B.Ped)

List of cultural activities:

VIBGYOR

Music is created from the heart and blended by emotion. Geethanjali desires to create a platform for excellence.

We invited The Music Maestro Mr.Karunya and we received over whelming response from the audience in 2011, Ms. Geetha Madhuri and Sri Krishna and also visited the campus.

Mr. Shiva Reddy performed mimicry in 2012.

Academic Year 2011-12			
S.No	**Date**	**Event**	**No. of participants**
1	15-03-2012	Dancing	25
2	15-03-2012	Slow Bike Racing	30
3	15-03-2012	Short Film Making	18
4	15-03-2012	Photography	4
5	15-03-2012	Mini Cricket	25
6	15-03-2011	Keep the water in	12
7	16-03-2011	Singing	23
8	16-03-2011	Minute to win it	15
9	16-03-2011	Zara Bachke, Zara Hatke	13
10	16-03-2011	Friendship Compatabilty	22
11	16-03-2011	SMS Texting	17
12	16-03-2011	Amazing Race	14
13	16-03-2011	General Quiz	13

VIBES

Every year, Annual day is celebrated in the month of March / April. Many cultural activities are organized to mark the fest. Various committees are formed to conduct the program.

The following is the List of extracurricular activities:

Academic year 2011-2012		
S. No.	**Activity**	**No.of participants**
Cultural Events		
1.	Vegetable carving	20
2.	Best out of waste	15
3.	Singing (Solo)	40
4.	Singing (Group)	42
5.	Antakshari	120
6.	Dance (Solo)	20
7.	Dance (Group)	30
8.	Pencil sketch on theme	72
9.	Dumb charades	100

5.3.2 Furnish the details of major student achievements in co-curricular,

extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

SPORTS AND GAMES ACHIEVEMENTS 2014-15

The college establishes its mark in sports and games in the Academic year 2014-15 the college secured firse and second positions in various sports and games conducted across the city.

- Fifteen students represented the college foot ball team for CMR foot ball cup held at CMRIT
- The college Hand ball team participated in JNTUH Team selections at JNTUH sports complex.
- Students of Geethanjali participated in Table tennis in JNTUH Team selections at JNTUH sports complex.
- Geethanjalites secured third position in swimming conducted by JNTUH Team selections held at GHMC swimming pool.
- The college is being represented in various sports and games. Student secured many prizes in this regard. The details of the number of students participated and secured various positions are given as in point no: 5.3.1.

SPORTS AND GAMES ACHIEVEMENTS 2013-14

1. Every year our college participates in private tournaments.
    - The **Throw Ball Girls** Team of the college reached the semifinal in sports **organized by Anurag Group of Institutions** from 4th-6th 2014.
    - Our college students participated in **SR champion trophy 2013** (Cricket) Our college was **qualified for super 16 (Knock out stage),** organized by the SR Engineering College, Warangal.
    - The college secured first place in **Throw Ball Girls**, organized by the **Megha Engineering College for Women's from 14th-15th March, 2014.**
2. Every year INTRAMURAL Tournaments are conducted (within the college) like Cricket, Football, Basketball, Throwball, Volleyball, Kabaddi, Kho-Kho,Tenni koit, Table Tennis, Chess, Caroms, Handball, Baseball, Soft Ball, Shuttle Badminton and Athletics.
3. Our college participated in JNTUH sports and games selections.
    - The college represented in JNTUH Boxing selection held at LB Stadium on 20th and 29th November. **Mr. Pramod Kumar, MBA 1st Year was selected for JNTUH team** played at Hindu Banaras University, Varanasi.
4. Our college sports and games teams participate in JNTUH D-Zone tournaments every year.
    - On the 23rd, 24th January 2014 students of Geethanjali participated in **JNTUH D-Zone football tournament**, and secured **1st place (WINNER)**, Organized by the Nalla Narsimha Reddy Engineering College and Our Team was qualified for Central Zone.

      In **Central Zone tournament we reached semifinal**, which was organized by the Lord's Engineering College.

- On the 04th, 05th February 2014 our college students got **1st place (WINNERS) in Throw Ball Girls,** organized by **the St. Mary's Group of Institutions** and our team was qualified for Central Zone.

  In **Central zone tournament we reached semifinal**, organized by the Nalla Narsimha Reddy Engineering College.

- Our college got **1st place (WINNERS) in Table Tennis Girls (Doubles),** organized by **the St. Mary's Group of Institutions** and our team qualified for Central Zone.

- On the 28th February 2014 our college team **reached semifinal in JNTUH D-Zone Cricket tournament**, organized by Vignana Bharathi Institute of Technology.

- On the 21st, 22nd March 2014 participated **Kho-Kho central Zone tournament**, our college **reached semifinal**. Organized by the CMR Group of Institutions.

- On the 29th, 30th March 2014 participated in **JNTUH Athletics tournament**, our college student **Mr. D. Gourav Kumar, CSE 3rd Year, got silver medal in Long Jump and bronze medal in Discus Throw**, organized by the St. Martin's Engineering College.

- On the 29th, 30th March 2014 participated in **JNTUH Athletics tournament**, our college student **Mr. D. Gourav Kumar, CSE 3rd Year, got silver medal in Long Jump and bronze medal in Discus Throw**, organized by the St. Martin's Engineering College.

5. Every year Inter Collegiate Sports Fest – LARO FESTO is conducted.

   - 2013-14 our college got 1st place (WINNERS) in Throw Ball Girls, organized by the Geethanjali College of Engineering and Technology.

SPORTS AND GAMES ACHIEVEMENTS 2012-13

1. College team participated in JNTUH Central Zone Football tournament held at JNTUH, Kukatpally.

   - First ever participation in JNTUH Central Zone tournament Throw Ball Girls team, Table Tennis Girls Doubles Team and Table Tennis Girls Single Team.

SPORTS AND GAMES ACHIEVEMENTS 2011-12

1. **Mr. Ghana Sham Pai of CSE 4th Year has won 1st Prize for the Table Tennis JNTUH University Team** in the October 2011
2. On 10th March 2012 we **won the JNTUH D-Zone title for the events**:
   - **Badminton Doubles Girls WINNERS (Ms. Srija & Ms. Lalitha)**
   - **Table Tennis Single Girls RUNNERS(Ms. Srija)**
3. On the 18th March 2012 we **won JNTUH D-Zone football tournament (WINNERS)** and qualified for Central Zone.
   - **JNTUH D-Zone Throw Ball (Girls) tournament we got 2nd place (RUNNERS)** and qualified for Central Zone organized by the JNTUH Jagithyal, Karimnagar.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- The Graduate's Course end survey is taken from all the outgoing students every year seeking their opinion on the instructions and delivery, infrastructural facilities, library facilities, computing facilities, games and sports facilities, training facilities, support to placement activity, etc.
- Alumni Survey is taken from Alumni during Alumni Meet on Dec 25 every year on POs and PEOs.
- Employer's survey is taken from time to time from various companies in which our Alumni are working.
- The feedback of the students and employers are compiled and all the suggestions made are taken into consideration for effective and necessary improvement.

A. Format of Feedback on Course Curriculum from Alumni

Name:	Roll No.	Branch:
Year Of Passing:	Currently Working in:	Date:

1. How do you rate the syllabus / curriculum prescribed for the study by the JNTUH University?
a) Very good b) Good c) Average d) Poor
2. How far has the syllabus been beneficial for your higher studies and / or Professional development?
a) Highly useful b) Quite useful c) moderately useful d) Not useful
3. What is the social relevance of the syllabus / curriculum on which the study program was based?
a) Highly relevant b) Quite relevant c) Relevant d) Not relevant
4. How far did the syllabus/curriculum equip you for suitable placements in the job markets?
a) Well equipped b) Moderately equipped c) suitably equipped d) Poorly equipped
5. How far did the curriculum raise the level of your ability to communicate effectively?
a) Very well b) Quite well c) Moderately well c) Poorly

6. How far did the syllabus / curriculum help you in being a sensitive and responsible citizen towards societal needs?
a) Very well b) Quite well c) moderately well d) Poorly

7. To what extent did the curriculum is relevant to the developmental needs of the nation?
a) Very large b) Large c) Moderate d) Poor

8. To what extent did the experiential learning part of the curriculum is relevant to the overall development of the students, especially application of theoretical knowledge in the lab?
a) Very large b) Large c) Moderate d) Poor
9. Please give further comments, if any.

Signature

B. Format of Graduate Survey

GRADUATE SURVEY

NAME(optional):	ROLL NO(optional):
GRADUATED YEAR:	DATE :
PROGRAM OF STUDY:	BRANCH:

Please evaluate on the following Scale:

Excellent(E)	Good(G)	Average(A)	Poor(P)	No Comment(NC)
5	4	3	2	1

S.NO	QUESTIONAIRE	E 5	G 4	A 3	P 2	NC 1
SECTION 1: PROGRAM EVALUATION						
1)	What is your perception of the academic expectations of your program vis-à-vis your achievements?	☐	☐	☐	☐	☐
2)	How would you rate your program's performance in keeping pace with recent trends and developments in engineering discipline?	☐	☐	☐	☐	☐
3)	How would you rate your professional training and research opportunities your program provided to graduate students?	☐	☐	☐	☐	☐
4)	How would you rate the adequacy of space, facilities and equipment in your program?	☐	☐	☐	☐	☐
5)	Indicate your level of satisfaction with the supervision and guidance you received during your study.	☐	☐	☐	☐	☐
6)	What is your perception of the quality of the faculty vis-à-vis qualifications, experience and teaching expertise in your program	☐	☐	☐	☐	☐
7)	How would you rate the overall quality of your program?	☐	☐	☐	☐	☐

SECTION 2: POST-GRADUATE PLANS

1a) What are your immediate plans after graduation?

1) Post graduate study 2) Employment in business or industry 3) Government service 4) Employment in a non-profit organization 5) self employment/ Entrepreneur 6) Military service 7) Certificate Training Courses

1b) If you are selected for postgraduate study, where do you plan to study

2. Have you already secured employment or been admitted for further post graduate study

1)YES 2) NO

3. If you answered yes to question 2 please provide further information:

a) About your post-graduate employer or your post graduate school and program of study.

b) What is the nature of projects you handled after your graduation (either in employment or individually)?

c) Please specify the tools/technologies you used to meet the current job requirements other than what you have learnt during the program

Signature

C. Format of Employers Survey

Employer's Survey on PEOs
Program Educational Objectives Questionnaire

- NBA, the National Board of Accreditation for engineering and technology, has created a new accreditation procedure designed to promote continual improvement in academic engineering programs.
- A crucial step in this procedure is to identify and assess the Program Educational Objectives (PEOs). PEO's are defined as the statements that describe the expected accomplishments of graduates during the first few years after graduation.
- We need your kind help in assessing if you think our graduates have accomplished these PEOs by filling this survey. Our PEOs consist **three** statements. Each statement is given below followed by Questions targeted to measure if our graduates have achieved the objective.

ORGANIZATION PARTICULARS

Name (optional): _____

Position: _____

Company / Organization Name: _____

Company Address: _____

_____

E-mail : _____

Please tick √ accordingly

Type of organization: Government / Public Sector ☐ Private sector ☐

Your core business or function is

- Contracting/Consulting
- IT/Communications
- Manufacturing
- Services
- Armed Forces
- Education
- Finance/Banking
- Research and Development
- Transportation
- Others, if any

Questionnaire on PEOs

1 = Strongly Disagree 2 = Disagree 3 = Not sure 4 = Agree 5 = Strongly Agree

(Please circle any one)

Did you find our graduate(s) able to

a. Obtain solutions to engineering problems and provide quality services to engineering related industries (PEO 1, 2) 1 2 3 4 5

b. Be creative and innovative in producing state of the art technologies related to Engineering and its applications in various fields. (PEO 3) 1 2 3 4 5

c. Involve in engineering projects that were aimed at improving the quality of life and well-being of the society? (PEO 2, 3) 1 2 3 4 5

d. Adapt to changes in work environment (for example, to learn new software, operate new equipments, and learn about new systems) and continuously undertake professional development? (PEO 3) 1 2 3 4 5

e. Act professionally and ethically while making significant contributions for the benefit of community, region, nation and beyond by leading a team as well as being a team player? (PEO 2, 3) 1 2 3 4 5

f. Communicate effectively and demonstrate interpersonal skills? (PEO 3) 1 2 3 4 5

Signature

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications / materials brought out by the students during the previous four academic sessions.

Each department brings out department newsletters providing information with regards to the achievements and other activities of the department and also provide opportunities to students and faculty to communicate the latest developments in science and technology and also their opinions in the form of articles.

The different department magazines / news letters are

S.No.	Department	Magazine / News letter name	Frequency of release
1	ECE	Techno Digest	Once in 2 months
2	CSE	Techepisple	Twice in a Semester
3	EEE	Technolight	Twice in a Semester
4	IT	Desktop	Quarterly once

- Students are given the required motivation and conceptual help for preparing technical papers at National level paper contests and financial support is provided as per norms.
- Innovation, an Annual Technical Magazine is published by the college activities and achievements and the latest amendments in regulations.

EDITORIAL BOARD

Chief Editor
Dr. S. Udaya Kumar

Editors
Dr. G.V.S Acharyulu,Professor,CSE
Dr. S. Nagendra Kumar, Professor,CSE
Prof. N. Chandrakanth, Professor,CSE
Mr. Srinivas Bobba AssociateProfessor,CSE
Prof. D. Rama Krishna Rao, Professor,ECE
Prof. E.V.L.N. Rangacharyulu, Professor,ECE
Dr. S. Radhika, Professor,EEE
Mr. G. Srikanth,Associate Professor,EEE
Mr. K. Srinivas, Associate Professor,IT
Mr. Y. Raju, Associate Professor,IT
Dr.Ramana Murthy, Professor,MEC
Dr. T. Siva Prasad, Professor,MEC
Dr.Neeraja Rani, Professor,S&H
Dr. K.N. Murthy, Professor,S&H
Dr. M. Srinivas, Professor,MBA

MAGAZINE STEERING COMMITTEE
Sri G.R Ravinder Reddy, Secretary
Dr. S. Udaya Kumar, Prinicpal
Prof. K. Somasekahara Rao, Dean Academics
Dr. S.T. Raj Mohan, Dean Admin
Dr. D.S.R. Murthy, Professor and Head, Department of CSE
Dr. C. VenkataNarasimhulu, Professor and Head, Department of ECE
Dr. S. Rhadika, Professor and Head, Department of EEE
C. Rama Seshagiri Rao, Professor and Head, Department of IT
Dr. T. Siva Prasad, Professor and Head, Department of MECH
Dr.Neeraja Rani, Professor and Head, Department of S&H
Dr. M. Srinivas, Professor and Head, Department of MBA

DEPARTMENT COORDINATORS
Mr. Srinivas Bobba, Associate Professor, Department of CSE
Mrs. M.V.Sirisha, Assitant Professor, Department of ECE
Mr. D Krishna, Assistant Professor, Department of EEE
Mr. K. Srinivas, Associate Professor, Department of IT
Mr. Sivananda Raja, Associate Professor, Department of MECH
Mrs. P. MerciKavitha, Associate Professor, Department of S&H
Mr. KalyanJyothi, Assistant Professor, Department of MBA

STUDENT COORDINATORS

Ms. Meghana Ramesh Gollapudi, IV CSE
Mr. K. Rama Chandra, III ECE
Mr. Sai varun,III year EEE
Ms. G.Anusha, III year IT
Mr. Achyuth Ram, IV MECH

DESIGNING AND FORMATTING

M. Raja Krishna Kumar, Assoc. Prof, Dept of CSE,GCET

- Department encourages the students to prepare and display the working models during Bhaswara (A National level Technical Fest), Department Level Workshops and Project Exhibitions.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Every class has four Representatives (2 from boys and two from Girls) who will address the issues related to their class and inform the HoD. Apart from these members for various activities, student members will actively participate.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

Taking into consideration the important role of students in different academic and administrative activities, students are nominated as members of various committees.

They are

NEN Committee:

Sl. No	Name	Department	Position
1.	K Kalyani	4th year CSE	Student Volunteer
2.	Y Manvitha	4th year CSE	
3.	K Rajesh	4th year CSE	
4.	Y Suhas	4th year CSE	
5.	K Soumya	4th year ECE	
6.	B V Rana Pratap	4th year IT	
7.	K Tarun	4th year ME	
8.	Manas Ram	4th year IT	
9.	Vidya	4th year IT	

Environmental Club Committee:

Sl. No	Name & Department	Position
1.	Pratheeksha III Year ECE 12R11!0494	Student Member
2.	Venkatesh – III year CSE 12R11A05D3	
3.	Sravani – IV year IT 11R11A1299	
4.	Bhavya II year ME 13R11A0301	
5.	Harishankar II Year EEE 13R11A0216	

Literary Club Committee:

Sl. No	Name & Department	Position
1.	Ruchika, IIIYr ECE 12R11A0499	Student Member
2.	Sahasra II Yr CSE 13R11A05K7	
3.	Geethika, III Yr, IT, 12R11A1269	
4.	G Ruthvik IIYr, ME, 13R11A0342	
5.	Lohit II Yr EEE 13R11A0229	

Magazine Committee:

Sl. No	Name & Department	Position
1.	Ms. Meghana Ramesh Gollapudi, IV CSE	Student Member
2.	Mr. K. Rama Chandra, III ECE	
3.	Mr. Sai varun,III year EEE	
4.	Ms. G.Anusha, III year IT	
5.	Mr. Achyuth Ram, IV MECH	

Library Committee:

Sl. No	Name & Department	Position
1.	YNV Vikas 12R11A05H3 CSE III Year	Student Member
2.	K Chaitanya 12R14A0401, ECE IV Year	
3.	V Sharmila 11R11A1259 IT IV Year	

In addition to the above, students are represented in various activities like NSS, Sports, Bhaswara etc.,

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

- Geethanjali College of Engineering and Technology has **Geethanjali Alumni Association** which meets yearly on scheduled dates.
- Alumni of the college are invited to campus to participate in seminars on career choices and planning to be successful in chosen career.
- The college also manages a network of alumni career advisors who keep talking to our students.
- Institution arranges interaction of alumni with the upcoming graduates to discuss on various matters related to their industry experience, exposure to latest trends in their respective fields and cutting edge technologies to mention a few.
- The Institution conducts Alumni Survey from Alumni during Alumni Meet on December 25th every year on POs and PEOs.
- The feedback is taken to analyze the existing instructional quality and upgrading if necessary, to gauge the available infrastructural facilities, library facilities, computing facilities, games and sports facilities, training facilities, support to placement activity, etc. The feedback is compiled and all the suggestions are taken into consideration for effective improvements.

CRITERION VI

(Governance, Leadership and Management)

Criterion VI: Governance, Leadership and Management :

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The vision, mission and objectives of Geethanjali College of Engineering and Technology (GCET), are stated as follows:

Vision

Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to the well being of the people of the nation and global community.

Mission

Our mission is to become a high quality premier educational institution, to create technocrats, by ensuring excellence, through enriched knowledge, creativity and self development.

Objectives of the Institute

1. **To ensure excellence** in teaching, research and service to meet the needs of all our stake holders such as students, parents, employers, faculty, staff, community, and the citizens of India
2. **To equip students** with sound technical knowledge and skills.
3. **To offer educational programs** with a plethora of innovative concepts, for creating a host of talented professionals.
4. **To encourage an open student-oriented culture** with an understanding of students, their needs, goals and aspirations.
5. **To develop exceptional opportunities** for study and research and a system of industry-institution interaction, through industry-liaison cells, for students to contribute to our Nation's economic growth.
6. **To evolve a friendly face of education** with emphasis laid on engineering, technology and research.
7. **To develop Leadership** characterized by openness, fairness and firmness.
8. **To foster respect** for all people and appreciation of diversity in our academic enterprise.
9. **To promote civic responsibility** expressed as public involvement, individual responsibility, personal integrity and commitment to service.
10. **To ensure accountability and proper assessment** at all levels in the institute.

Quality Policy

We aspire to continuously improve our performance through systematic monitoring and up gradation of all aspects of Teaching-Learning Process.

6.1.2 What is the role of Top Management, Principal and Faculty in design and implementation of its quality policy and plans?

The top management, Principal, HoDs and other faculty members of the college work in a coordinated manner towards the successful implementation of the "Quality Policy" of the college and thereby reaching the long term and short term goals of the college.

In order to increase the role of faculty members in decision making and for the effective implementation of the various steps required to achieve the quality policy of the college the faulty members are required to act as the convener or co-convener, coordinators, and members of several crucial committees namely, Governing Body of the College, Research and Development Cell, College Academic Committee, Department Advisory committee in each department, Training and Placement Cell, Cultural Programs Committee, Anti-Ragging Committee etc.

The Principal of the college is empowered to take all the necessary steps and guidelines to maintain the atmosphere conducive for enhancing the educational content and setting up the internal procedure to achieve quality performance of the students, faculty and the college in accordance with the top management perspective.

The Principal and the HoDs monitor the improvement through objective measurements.

The College Academic Committee meeting is conducted one in a week and sometimes on a need basis.

The Principal along with the HoDs interacts periodically with top management to get more insights for effective implementation and review of the progress essential for fulfilling the vision and mission of the college.

Revision of all existing and new policies to improve the quality of academic standards and activities are discussed thoroughly in College Academic Committee before their final implementation.

GCET is the recipient of "The Engineering Educators Award" from University of Bradford, UK in the year 2013, for its contribution in the area of professional technical education.

For an effective and efficient implementation of its Quality Policy, the management has promulgated the following practices which exhibits a role model for communication, motivation, commitment, leadership and management style and their pleasantness while giving an opportunity for involvement of staff and students in sustaining and upgrading the standards of the institution.

Extensive Academic, Administrative and Financial Autonomy to all the Heads of the Departments to translate their departments vision, mission, objectives,

strategies and goals in line with institutional vision and mission.

Recruit well trained, qualified and experienced staff members as per JNTUH/AICTE guidelines and all the appointments are initially ratified by Governing Body, followed by the affiliating university every year.

Career Guidance, Counseling, Appreciation, Incentives, Awards, Recommendation Letters, Timely Moral and Financial support is provided to the Students.

Research Incentives, Academic Awards, Appreciation Letters, Timely Moral and Financial support to the aspiring and needy Staff Members.

Involvement of stakeholders in academic activities organized by Institution e.g., TDPs, Workshops, Conferences, Seminars, Technical Exhibitions, Paper and Project Presentations, Modules Development etc.

Effective feedback system was developed to monitor the performance of students and staff.

Conduct periodical structured, unstructured and open-house meetings for interaction with teaching and non-teaching staff.

Provide a conductive environment for QIP. Institution also encourages faculty to pursue Ph. D, Post Doctoral Fellowship (PDF) and to work with prestigious institutions on lien to overseas.

Some of the initiatives of the institution towards abroad:

No	Faculty Name	Designation	Lien Year	Tenure	Country
1	Dr. J. Anjaiah	Professor and Head	2013	2 Years	Tanzania
2	Dr. D. Ratna Deepthi	Professor and Head	2013	2 Years	UK
3	Mr. Ramakrishna Sarma	Associate Professor	2013	2 Years	Ethiopia

Many faculty members in last four academic years are encouraged to go for higher education on full time and part time basis. All eligible faculty members are encouraged to enroll into Ph.D., either as a full time or as a part time research scholar within the state.

Table 1: Details related to Registrations for QIP.

S.No.	Name of the Faculty	Designation	Quali-fication Improve-ment course registered for.*	Under CCC/SSS/PTPG/ Ext Registration/Distance Education	Year of joining and Institute/ University
1.	N. Swapna	Assoc.Professor, CSE	PhD	External PhD	2012, JNTUH
2.	S.Tirupati Rao	Professor, CSE	PhD	PTPhD	2010, Andhra University, Vizag
3.	A. Sri Lakshmi	Assoc. Prof.CSE	PhD	PTPhD	2011, JNTUH
4.	G.Lokeshwari	Assoc. Prof.CSE	PhD	External PhD	2009, JNTUH
5.	P.Dileep	Assoc Prof.	PhD	PTPhD	
6.	M.Srinivas	Assoc. Prof.	PhD	External PhD	2012, JNTUH
7.	D.Venkateshwar	Assoc. Prof.	PhD	External PhD	2012, JNTUH
8.	Deepa panse	Assoc. Prof.	PhD	External PhD	2012, JNTUH
9.	M Raja Krishna Kumar	Assoc. Prof.CSE	PhD	External PhD	2009, JNTUH
10.	V.Shivanarayana Reddy	Assoc.Prof.CSE	PhD		
11.	B. Sreelatha	Assoc.Prof. ECE	PhD	PTPhD	2012-JNTUH
12.	P. Sudhakar	Assoc.Prof. ECE	PhD	PTPhD	2012-JNTUH
13.	M.C. Raju	Assoc.Prof. ECE	PhD	PTPhD	2012-JNTUH
14.	G. Sreelakshmi	Assoc.Prof. ECE	PhD	PTPhD	2010-JNTUH
15.	J. Mrudula	Assoc.Prof. ECE	PhD	PTPhD	2011-JNTUH
16.	EVLN Rangacharyulu	Assoc.Prof. ECE	PhD	PTPhD	2003-JNTUH
17.	T. Ramakrishna	Assoc.Prof. ECE	PhD	PTPhD	2015-IIIT, Hyderabad
18.	D. Venkatramireddy	Assoc.Prof. ECE	PhD	PTPhD	2011-Nagarjuna University
19.	U. Appala Raju	Assoc.Prof. ECE	PhD	PTPhD	2014-JNTUK
20.	K. Srinivas	Assoc.Professor, IT	PhD	PTPhD	2007, JNTUH
21.	C. Ramaseshagirirao	Assoc.Professor, IT	PhD	PTPhD	2008, JNTUH
22.	Y. Raju	Assoc.Professor, IT	PhD	PTPhD	2012, JNTUH
23.	N.V.Bharadwaj	Associate Professor, EEE	Ph.D	Ext. Registration	2014, JNTU H
24.	G.Srikanth	Associate Professor,EEE	Ph.D	Ext. Registration	Nov 2012, JNTU, Hyderabad
25.	D.Radhika	Associate Professor,EEE	Ph.D	Ext. Registration	Aug 2009, JNTU, Hyderabad

26.	Sk.Mohammad Ali	Assoc.Prof. S&H	Ph.D	PT PhD	2009, JNTUH
27.	V.S. Raghava	Assoc.Prof. S&H	Ph.D	PTPhD	2013, PSTU, Hyderabad
28.	Madhumathi	Assoc.Prof. S&H	Ph.D	PTPhD	2007-2011, Dravidian University, Kuppam
29.	N. Subhadra	Asst.Professor, S&H	PhD	PTPhD	2012-JNTUH
30.	K. Shashikala	Asst.Professor, S&H	PhD	PTPhD	2012-JNTUH
31.	P. Sreedhar	Asst.Professor, S&H	PhD	PTPhD	2009-O.U
32.	P. Veera Raghava	Asst.Professor, S&H	PhD	PTPhD	2013, EFLU-H
33.	G. Renuka Devi	Asst.Professor, S&H	PhD	PTPhD	2010, EFLU-H
34.	B. Nagamani	Asst.Professor, S&H	PhD	PTPhD	2009-2013, A.U, Visakhapatnam

Table 2: Details related to achievement of Degrees under QIP registrations.

S.No.	Name of the Faculty	Designation	Qualification Improvement course registered for.*	Under CCC/SSS/PTPG/ Ext Registration/Distance Education	Year of Degree Obtained Institute/University
1.	C.V. Narasimhulu	Professor, ECE	PhD	PT. PhD	2013,JNTU,Kakinada
2.	B. Prabhakar Reddy	Professor, S&H	PhD	PT.PhD	2008-12, O.U, Hyderabad
3.	M. Devaish	Professor, Mech	PhD	PT.PhD	2013, O.U, Hyderabad
4.	S. Nagendra Kumar	Professor, CSE	PhD	Full Time/Regular	Massey University, Nuzealand
5.	A. Padma	Assoc.Professor, S&H	PhD	PTPhD	2014, Osmania University
6.	N. Subhadra	Asst.Professor, S&H	M.Phil	PTPG	2007-2009, Annamalai University
7.	M.Ashwini	Assoc.Prof.	M.Tech	SSS	April,2008 to April, 2011 JNTU,Aantapur
8.	S. Ravindar	Accounts Assistant	M.Com	Distance Education	2010-2012, Osmania University
9.	L. Nagamani	Library	M.Lisc	Distance Education	2009-10, Madhrai Kamraj University
10.	Ch. Neeraja	Admin Assistant	MBA	Distance Education	2010-2012, Osmania University
11.	K. Saritha	Admin	MBA	Distance	2010-2012,

		Assistant		Education	Osmania University
12.	ARL Padmaja	Lab Assistant	B.Tech	CCC	2009 – 14 at JNTU-H

Some of the Quality Parameters of the institution

- Well placement record in the year 2014 in spite of recession.
- Institute was Permanently Affiliated by JNTUH in the year 2014.
- Highly qualified faculty-expertise in its bow by the year 2014.
- AICTE-AQIS Grants was sanctioned in the year 2013-14 for four activities as detailed below:

S.No	Scheme	Dept	Chief Coordinator	Rs. in Lakhs	Remarks
1	Two Weeks FDP	ECE	Dr. S. Udays Kumar	5.00	One Time
2	Two Days Seminar	EEE	Mr. Y. Suresh Babu	1.00	One Time
3	Entrepreneurship Development Cell	Institution	Dr. S. Udaya Kumar	4.50	Renewable

- Recognition by SIRO and DST as R&D Centre.
- Received funds towards LIDAR Project
- Accredited by NBA-New Delhi, in the year 2012.
- Innovations in R&D and Extension Services
- Associated and shared some of R&D activities with JNTUH
- Associated and got sponsored R&D funding from Private Sector Orgn.
- More than 65% of faculty members were ratified
- NSIC Sponsorship for EDC Activities
- ICSI Sponsorship of Investor Awareness Camp
- JNTUH Sponsorship of organizing NSS Camp
- SBI Internship for Management Projects to the tune of 6.25 Lakhs

Details of some of the R&D initiatives of the Institution:

No	Department	Completed No(s)	Proposed	Remarks
1	**ECE**	**1**	**6**	**DST/AICTE**
2	**CSE**	**--**	**2**	**AICTE**
3	**Principal-GCET**	**1**	**1**	**EDC-AQIS-AICTE**

Previous:

S.No	Funding Agency	Title	Department	Amount	Status
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in	ECE	Rs. 34-58 Lakhs	Completed

		the Troposphere and Lower Stratosphere			
2	AICTE under RPS	Design and Development of Digital Image Processing system for identifying a particular person in a group of upto 1000 people	ECE	Rs. 24 Lakhs	Proposed
3	SERB, DST, Govt of India	Design and development of Audio-visual recognition system for security and access control	ECE	Rs. 48 Lakhs	Proposed
4	ISRO	Design and Development of MIMO Radar system at 915 MHz for Atmospheric and Communication System studies	ECE	Rs. 69 Lakhs	Proposed
5	DST, Govt of India	Design and Development of Long-range Laser active Imaging system for Home Land Security, Night Surveillance and other Military, Civilian, Marine, Industrial applications	ECE	Rs. 192 Lakhs	Proposed
6	Ministry of Environment and Forests Govt of India	Development of Laser based Monitoring systems for compliance management of odorous and hazardous air Pollutants in selected chemical industrial estates at Hyderabad(Project : LAMP)	ECE	Rs.118.5 Lakhs	Proposed
7	AICTE	National Seminar on “Business Intelligence and Applications	CSE	Rs. 1.8 Lakhs	Proposed
8	AICTE	SDP on Recent Trends, challenges and Intelligence Applied in DWDM	CSE	Rs. 8.71 Lakhs	Proposed
9	AICTE	FDP on Advances in Signal and Image Processing	ECE	Rs. 6.9 Lakhs	Proposed

6.1.3 What is the involvement of the leadership in ensuring?

- The policy statements and action plans for fulfillment of the stated mission.
- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning though need analysis, research inputs and consolations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change

To ensure fulfillment of the mission, there is a proper and active organizational structure, each component ensures that its responsibilities are handled well.

- The College Academic Committee ensures that the policy statements of the Management are taken into account in the preparation of the action plan for the academic year.
- Periodic meetings between the Governing Body, the Management and the Principal are conducted to keep track of policy implementation and also to review policies.
- Quality policies are realized by formulation and execution of specific action plans by committees formed for this purpose. The committees include faculty members, non-teaching staff and students, as required.

To ensure formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:

Action plans are drawn by the College Academic Committee and b individual departments at the beginning of each academic year and reviewed periodically. The quality policy is kept in mind during formulation and execution of the same.

Interaction with the stakeholders:

The Management, staff, students, parents, recruiters, professional bodies and alumni comprise the stakeholders of the institution.

Interaction between the stakeholders is ensured by means of regular staff meetings, College Academic Committee meetings, department meetings, open houses, Parent-Teachers meetings, alumni meets, meetings with Recruiters / Industry personnel, meeting with Professional Bodies and so on.

Proper support for policy and planning through need analysis, research inputs and consolations with the stakeholders:

Committees are set up for specific tasks. Communication between any two levels in the structure is open and two-way; hence support for policy is ensured.

- After implementation of a policy, the effects are studied and suggestions on improvement are sought from all stakeholders. Subsequently, necessary additions and changes are made.
- Feedback is collected from all stakeholders.
- Policies are implemented as per need. Recognizing the need for value education classes, steps were taken to introduce it. This dynamic system ensures that the culture of excellence is a matter of policy, with the cause of change as per need being championed.

- Parent Teacher meetings and Alumni Association meetings also contribute to institutional improvement.

Reinforcing the culture of excellence:

The culture of institutional excellence has been woven into the very fiber of the institution. This is evident from the institutional initiatives listed below:

- Appointment of faculty and staff on purely merit basis.
- Faculty and staff are encouraged to conduct and participate in seminars, workshops and conferences.
- Faculty are also encouraged to achieve research degrees, take up research projects and avail themselves of faculty development programs etc and incentives are given to all such faculty who acquire the same.
- Staff are encouraged to acquire higher qualifications and incentives are provided to all those who acquire the same.
- Orientation Programs are arranged for teachers, parents and students.
- A strong emphasis is placed on developing the skills of students in the sports arena as well.
- Care is taken to include academic experts in bodies such as the Governing Body and the IQAC, so that excellence and growth are ensured.
- A state-of-the-art digital library is fully functional.
- Seminars and invited lectures are arranged with in the campus for the benefit of the teaching and student communities of both our own and other institutions.

Champion organizational change:

- Recognizing that change is an essential part of growth, the Management is committed to ensure that changes are brought about to facilitate the quest for excellence.
- Dean, Academic, Dean-Administration were appointed to assist the Principal in academic and administrative matters.
- The hierarchy ensures that academic powers are decentralize, thereby ensuring smooth conduct of the College Activities.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- The Principal along with the College Academic Committee members monitors the effective implementation of policies and plans.
- Academic policies are decided in the College Academic Committee and are implemented by the Heads of Departments.
- Department meetings are held to monitor implementation and suggest improvements.
- Committees entrusted with the implementation of a policy are required to monitor the functioning and to provide necessary feedback to authorities.
- Parent-Teacher meetings conducted at least once per semester ensure healthy interaction between parents and teachers.
- The Institution firmly believes that two way communication, well thought out

action and regular observation are the key to effective implementation and improvement of policies.

- Necessary changes in policy are implemented after evaluation of recommendations and suggestions by the Management, Principal, College academic Committee and other relevant committee(s).
- The student representatives, working under the guidance of the Dean, Students affairs, is an active interface between the students and the college authorities.
- The IQAC is entrusted with the task of evaluation and recommendation. It also monitors the implementation and effects of policies.
- The College Academic Committee and the Governing Body evaluate the implementation policies and plans.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The top Management along with the Principal firmly believe that Faculty is the Heart of the Institution. They together provide strong academic leadership to the faculty with the following objectives.

- To develop a vibrant organizational culture characterized by minimal disparity between the various levels of pedagogy, brought about by establishing purposeful mentor-mentee relationship and encouraging academic activities.
- To endeavor to achieve highest standards of academic excellence by motivating faculty to undertake research activities and continuous learning process.
- To develop a plan for nurturing and retaining talent.
- To create an environment where the members of academic fraternity derive most professional satisfaction and contribute their mite to make the college highly competitive in the knowledge intensive sector.
- Conceptualize, install, reinforce & enrich mentor-mentee relationship for helping and inspiring junior faculty members.

  All these objectives are being achieved by the following initiatives.

  1. Providing a brief orientation session to new and junior faculty members, which includes information session on academic expectations, governance structure of the institute, how to apply and obtain research grants, teaching methodology, resources of the institute, etc.
  2. Identifying and nominate senior faculty members who shall act as Mentors.
  3. Identifying the faculty up to five years of experience in all the departments to be associated with mentors, as mentees.
  4. Maintaining a comprehensive data base containing the details.
     a) About the mentors and mentees
     b) Research opportunities
     c) Skill up-gradation opportunities
  5. Pairing up those mentor & mentee, whose academic interests and pursuits match.
  6. Convening meetings of the mentor-mentee group to review the progress and

facilitate their requirements.

7. Planning and arranging for all the logistical support to ensure proper and smooth functioning of the center.
8. Arranging for procurement of various equipment, software and providing all the information regarding the development in various fields.
9. Obtaining feedback from all the members of the group regarding the progress of the activity of mentoring and initiate necessary steps to improve it further on a need basis.
10. Conducting meetings frequently, record the proceedings and file them at the centre.
11. Ensuring fresh faculty members are allocated slightly reduced teaching load in their first year so that they prepare the course that they will teach eventually, associate and keenly observe the class room teaching of senior professors, scope to get started on research at the new place, submit research papers from their thesis, etc.
12. Motivating faculty that teaching and research should go together. That is, all faculty members do teaching and conduct research.
13. Arranging and overseeing faculty seminars in each department, at least one in a month.
14. Conducting teaching workshops and conferences to cover the latest developments.
15. Encouraging faculty participation in the formulation of new courses, improvement of existing syllabi and making proposal to the university on these items. Further, strengthen the existing skills in demand analysis and reinforcing bridge / adjunct courses with feedback to university.
16. Encouraging faculty members to write books, treatises, monograms etc.
17. Persuading and co-ordinate organization of seminars by senior faculty of all the departments, at least, once a month in each semester and by every faculty once in each semester.
18. Preparing and get approval of the budget, if any required.
19. Establish conducive academic atmosphere, conduct faculty seminars, identify the needs of faculty for training / development and make recommendations for participation in events, courses, seminars, etc.
20. Ensuring IQAC undertakes performance evaluation of the faculty once after three weeks of the commencement of the semester, second after the completion of evaluation of first mid examination, and the third at the end of the semester. Faculty members who required improvement in their teaching methodology be counseled.
21. Motivating faculty submit a document with regard to their career development plan, which includes the goals set forth by him/her self and their achievements during halfway through semester and again at the end of the semester. Further, they are requested to bring to the notice of the superiors and mentors with regard to any impediments they have faced and seek the necessary help in their efforts to achieve their goals. This applies to “Teaching Effectiveness, R & D, Consultancy, Improvement of Qualifications, Publications, Up-gradation of skills, etc.

What is mentee's role?

- Attend his/her mentor's class and observe how he/she is teaching
- Closely observe and learn the techniques of teaching from his/her mentor
- Closely observe and learn the art of answering questions
- Closely observe how passionately he/she is teaching
- Closely observe how he/she is modulating his/her voice
- Closely observe the kind of visual aids presented to the students in the class room
- Closely observe the real-time examples and applications given
- Be prepared for each meeting and bring a topic of subject for discussion
- Take initiates with his/her meetings
- Be prompt for all meetings.
- Ask for and give feedback
- Keep in contact with his/her mentor
- Be open to criticism
- Do not expect his/her mentor to have all the answers
- Be eager to learn and respect his/her mentor's expertise
- Be serious about the relationship
- Express his/her appreciation of his/her mentor's time and interest
- Be transparent, say what you are thinking
- Be patient: this is a relationship of trust and confidence, give it time to grow
- Understand that, as a mentee, he/she solely responsible for this/her decisions.

What is mentor's role?

A mentor's role focuses alternatively on:

- The **relationship:** encourage, support, appreciate, listen
- The **task**: advise, teach, share, suggest

The mentor should:

- Support and question the mentee's understanding of problems;
- Help identify the most adequate solutions;

6.1.6 How does the Institution groom leadership at various levels?

In order to inculcate the culture of leadership at various levels in the college several committees and sub-committees have been developed who take decision at operational level.

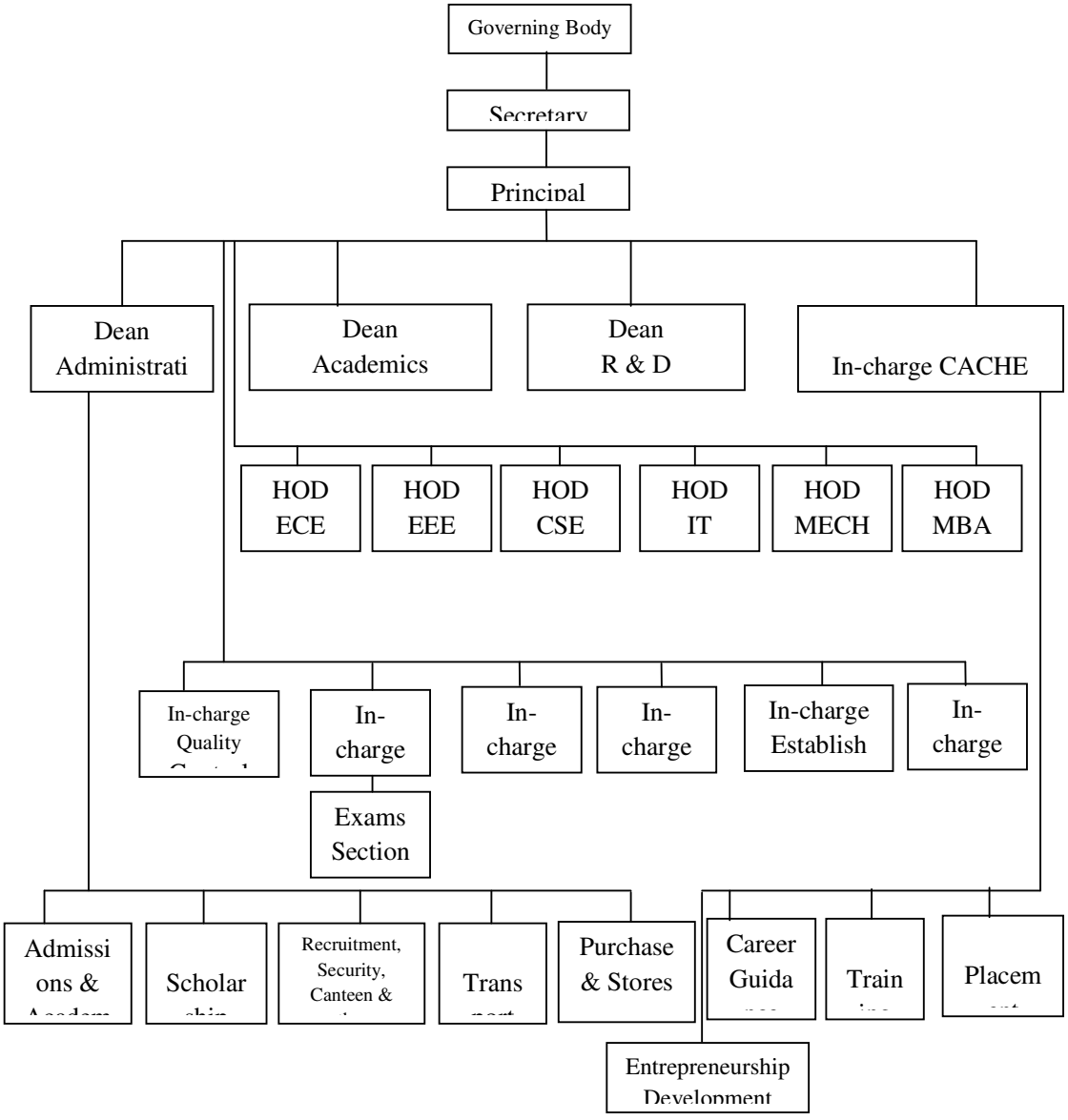
- The senior faculty members have been involved in he committees as coordinators and they give their suggestions based on their experience and feedback on several crucial matters of the college.
- The faculty members are encouraged to participate in regular training and motivational programs organized by the college as well as other external bodies.
- The faculty members at various levels are empowered to take decision and the flexible organizational structure encourages the faculty members as well as other

staff members to give suggestions for improving the efficiency of the decision making process in transparent manner.

- The college grooms leadership at various levels by assigning responsibilities to both staff and students, and supporting them, thus developing their confidence and leadership skill.
- Leadership training programs are arranged by the college.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The Principal is the Head of all the Administrative, Academic and R&D Units of the institution. However, to motivate and inculcate leadership-capabilities among faculty members; most of the administrative and academic duties are delegated with appropriate authority vested in, by virtue of the position that they are in OFC (Organization Flow Chart).



All the Head of the Departments, Coordinators, Conveners of various committees play a vital role and can comment and recommend on any activity. Head of the Departments and members of various committees will assure decentralized governance by virtue of their expertise and experience.

GB of the institute approves the appointments of Heads and staff members in the following GB Meeting after the appointment takes place by virtue of the authority vested in The Principal.

The details of functions, role and responsibilities of various positions in the organization flow chart are discussed / tabulated at a later part of this document in the forthcoming sections:

6.1.8 Does the college promote a culture of participative management? If "Yes", indicate the levels of participative management.

"YES"

GCET encourages Democratic-Participative-Style of Management.

Governing Body will be the apex body to formulate its vision, mission, objectives, strategies, goals. However, Principal will be acting as Member Secretary of GB and Secretary of GCET will be the Chairman of Governing Body.

An opportunity will be given to some of the heads of the departments and faculty members to participate in decision making process of the institution. Nomination to Governing Body Memberships will be on recommendations of The Principal and Secretary.

The Principal is responsible for the academic and administrative functioning of the institute under the directions of The Secretary and Governing Body.

Principal delegates authority to The Dean(s), Director(s), Head(s), Coordinator(s), Convener(s) and In-charges; for the day-to-day functioning of various activities of the institution.

In addition to the regular departments and cells; institution also constitutes various standing and adhoc committees for convenience of decentralized control and decision-making to address the time to time needs of the institution.

The Chairman(s), Coordinators and Convener(s) of various committees have liberty to express their opinions on various aspects for smooth functioning of the college.
Some of the institutional efforts in this direction are as follows:
Planning and Monitoring Committee, Academic Committee, Finance Committee, Counseling Committee, Training and Placement Committee, Purchase Committee, Library Committee, R&D Committee, Safety Committee. Discipline Committee, Canteen Committee, Institution News Letter Committee, Grievances and Redressal

Committee, Women Right Protection Committee, Anti-ragging Committee, Transport Committee, Cultural Committee and Sports Committee.

Committees meet as per their need or recommended frequency to discuss the agenda as per their terms of reference and record minutes of the meeting. The copy of the minutes of these meetings will be sent to the Principal for further action. The Principal may consider the recommendations of these committees for final decision-making. However, the Principal exercises his due diligence before making final decision in the interest of the students, faculty, staff and institution.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

"Yes"

To ensure excellence in teaching, research and service to meet the needs of our stakeholders following are our quality initiatives. "We aspire to continuously improve our performance through systematic monitoring and upgradation of all aspects of Teaching-Learning Process". Institute has its own mechanism since 2005 to ensure quality in its academic functions. In the process of upgrading its quality standards, institute has got ISO: 9001-2008 certification in the year 2012 from Q & A. Institute is committed to provide its best to the stakeholders with motto *"striving towards perfection"* and didactic in designing, developing, implementing, modifying and revisiting its plans and goals in light of meeting global-academic-quality-standards. As a part of quality initiative, institute initiated establishment of various Centers of Excellence (COE) to provide opportunities to students and staff to excel in the areas of their interest. Institute aims at continuous improvement by organizing regular Conferences, Seminars, FDPs, Workshops, Technical-Meets, Technical-Quizzes, Technical- Contests, Idea-Meets etc.

Development of quality policy:

Institute developed its first quality policy since its inception in 2005 designing quality parameters with respect to its curriculum. For instance, several guidelines are developed in preparation of Course files and Lab Manuals, Pre-Quality Check, Process-Quality Check and Final-Quality Check. Similarly, several guidelines were developed even for seminars, mini projects and main projects to maintain best outcomes.

Driven in light of quality policy:

Quality Control Committee was constituted with representation of all departments to understand the needs of the stakeholders. This committee is responsible to ensure academic quality control among all departments for all the theory and practical courses. QC committee will be functioning under the guidance of CAC and changes its mode of operations under the recommendations of CAC. QC committee announces its inspection-schedule for various departments prior to the commencement of semester and its points of checks.

QC report will be submitted thrice in the semester to The Principal regarding academic quality control. A team of experts from each department will be identified by The

Principal to list and grade various organizations where students are supposed to approach for their internship, industry-interaction visits, mini-projects and main projects. Departmental Expert Team visits various organizations prior to accepting project-proposals of students. Acceptance will be accorded only after satisfactory report from the teams regarding projects.

Deployment towards quality policy:

QC Committee is formed with representatives from all departments to understand the needs of the stakeholders. This team will inspect all theory and lab courses of each and every programme of the department and ensure academic quality by way of its frequent inspections and cross checks as the case may be. CAC provides all necessary resources as required for execution of quality policy in light of striving towards perfection in academics.

Review of its quality policy:

Time to time the activities of QC will be reviewed by CAC and recommend on future strategies and plans of the institution to sustain its quality in its academic practices and attain academic leadership.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan:

Yes

Reasons for Perspective Plan:

The perspective plan has been formulated so as to make it timely, relevant and also to withstand futuristic requirements and indicators chosen for this Plan include:

- Centre for Higher Learning and Research:
- New Additional Courses framed by Affiliating University
- Multi-Disciplinary Courses
- The Research Innovation Hub
- Industry-Institution Interaction Cell
- Establishment of Entrepreneurship Development Cell in the institution.
- Increasing interest of students towards technical education
- Tremendous growth of industries in ITES Sector in state, nation and global
- Entry New Technological Dimensions to Education
- Globalization of Education and Washington DC Accord
- Environment Awareness Protection and Corporate Social Responsibility
- Advent of foreign and private institution with deemed status
- Special consideration towards rural students
- Value Based Holistic Education
- Quality assurance in professional technical education
- Need for establishment of centers of excellence in all faculties

Perspective plan for development

- Accreditation for all departments and programmes of the college
- Accreditation of NAAC A Grade
- Autonomous Institution
- Deemed University Status
- Development of curriculum
- Training for teachers
- Augment Research and Development
- Increased Access to ICT, LAN, WAN, WIFI
- Increased access to international journals
- All doctorates in at least one department of the institution
- Increase Research Publications in international Journals and conferences
- Accreditation by ABET

Aspects considered in perspective plans:

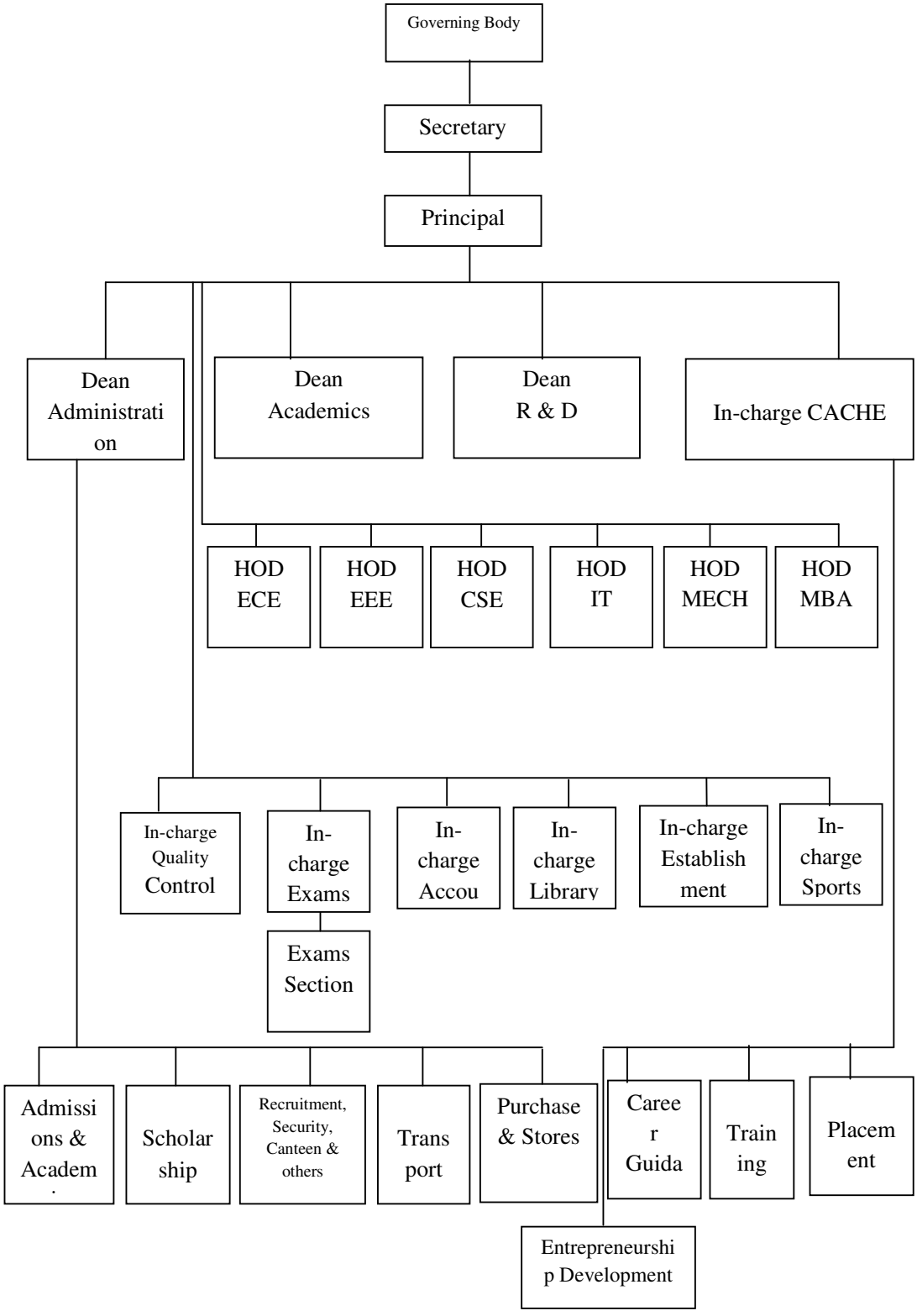
- Add on Courses, New Courses, Bridge Courses, Capstone Courses, Refresher Courses, Certificate Courses, CRT Schedules, Soft Skills programmes.
- Accreditation for new programmes and courses
- Additional intake for existing courses
- Curriculum enrichment
- Academic leadership and autonomy
- Connecting institutional R&D with External private and government Funding Agencies
- Development of research consultancy
- University Autonomous status
- Permanent affiliation status
- Recognized R&D centre by Government and University
- Adding Technical PG Programmes
- Improving student and faculty publication quality
- MODOROB in departments having age of 10 years
- Accreditation by NAAC
- Aiming towards ABET Accreditation
- Establishing Centers of Excellence
- Increased employability and placement record
- Increased diversity of students for higher education
- Increased number of Ph.Ds and PDFs
- Development of ICT and online access to stakeholders
- Use of smart technologies into class rooms
- Bring research into the class rooms
- Tailor made programmes to slow and weak performing students
- Smart Class Rooms, E-Class Room, Seminar Hall, Internet Facility, WiFi, LAN and Laptops to adopt all modern and smart methods of teaching .
- E-Learning and Digital Library Sources are made available to all the students

through its official website.

- Increased access to Online Journals, Webinars, Simulation Software and NPTEL Videos.
- Development of digital literature
- Interaction through increased number of MOUs Industry and Professional Bodies.
- Submission research proposals DST, AICTE, ISRO, CSIR by all senior faculty members
- Student and Institute memberships ISTE, IEEE, IETE, CSI etc.
- Funding of student entrepreneurship activities
- Active participation in NSS activities by involving faculty and students
- Increased socio-economic and socio-cultural programmes
- Establishment of Departmental, Technical Association, Centers of Excellence, Placement
- Increased interaction with Alumni Association
- Construction of indoor and open air auditoriums in the increased interest of students' participation in extra-curricular activities
- Assistance and Funding of inter-collegiate tournaments for aspiring students to encourage representation and participation.

6.2.3 Describe the internal organizational structure and decision making processes.

Organizational Flow Chart to be Included:



Decision making Process:

- Secretary of GCET in association with The Principal and Governing Body Members is mainly responsible for development of Objectives, Strategies and Goals of the institution to satisfy the global requirements of stakeholders in a broad manner.
- Principal under the guidance of the Secretary will translate institutional Objectives, Strategies and Goals to the various departments based on their relative specialization; so as to provide its best to empower the students to secure higher education and employment opportunities across world.
- Principal in association with Dean(s) and HODs of various academic and administrative units develop Objectives, Strategies, Goals and Budgets to the various departments.
- Faculty-Recruitment will be done as per affiliating university norms.
- Faculty Quality-Mix and Cadre Ratio will be decided by the Secretary and Principal and advise the Dean(s) and Heads to explore suitable staff members in that direction.
- Principal is the Chairman Recruitment and Selection Board for the Institution, where all Dean(s) and Head(s) are members. On the recommendations of board, Principal finalizes the faculty member(s) to be appointed.
- All appointments made by The Principal will be ratified by The Secretary in the Governing Body.
- It is the responsibility of Departmental Heads and Dean(s) to develop short term Strategies, Goals, Tactics and Budgets to various Academic Programmes and get approved by The Principal.
- HODs in association with faculty members is responsible to develop Course Objectives, Course Outcomes, Course Mapping Matrix, ILOs, Course Files, Evaluation Mechanism,
- The Principal bridges the gaps between the students and management.
- The institute has designed its Organization Structure with various departments and decentralized its administration through its Organizational Chart.
- Most of the times, MBE(Management by Exception) may be followed for execution of various day to day and routine functions of the institution by The Principal through Dean(s) and Heads of the various departments.
- Faculty In-charges and Student representatives of each department will represent their academic, administrative and R&D requirements if any and submit to the HOD. HOD forwards the representation to the PRINCIPAL for approval. The PRINCIPAL refers to the representation so received from HOD for recommendations and approval of the respective committee. On recommendations of Committee, The Principal sends the same to the Secretary for final approval.
- Any requirements like consumables and non-consumables in labs, office and computer requirement, text and reference books and journals and e-learning resources are proposed by the faculty through heads. They are referred to the respective committees for final recommendation and procurement.
- All recurring and non recurring purchase proposals are invariably referred to Dean(Admn) and then sent to purchases committee for approvals. However, it is the responsibility of Purchases and Stores Department to float quotations,

bargain, negotiate, place orders on recommendations of department(s) technical specifications.

- The Principal integrates the duties, responsibilities, scope, role and functions of the Dean(s), HOD(s), Section-in-charge(s), Chairman(s), Coordinator(s), Convener(s) of various departments, cells and committees; so as to translate institution's objectives and goals more effectively and efficiently.
- Occasionally to relieve heads from the pressure of work and to save delay in decision-making; institution forms committees.
- However, all the in-charges of all committees will directly report to the Principal superseding the routine hierarchy for administrative reasons.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:

- **Teaching and Learning**
- **Research and Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Teaching and Learning:

Policy: To promote value based quality education in accordance with the needs of the times.

Quality improvement strategies:

- A year / Semester Plan is prepared by the College Academic Committee based on the Academic Calendar given by the affiliating University.
- Action Plans submitted by the Departments.
- Entry level tests, bridge Courses and remedial classes.
- Questions banks
- Tutorial session schedules, Assignment Schedules, and Internal assessments (Theory and Lab)
- Student enrichment programs
- Value added courses
- Conducting seminars, conferences and lectures
- A state of the art digital library and computer center
- A judicious mix of traditional and ICT enabled teaching methods.
- Regular internal evaluation of student performance.
- Personal attention for slow learners
- Value education classes
- Parent-teacher meetings
- Student feedback collection and evaluation
- Faculty Development Programs
- Semester wise and program wise result analysis
- Academic audit

Research and Development:

Policy: To promote the spirit of true research, encourage inter disciplinary research and work for the benefit of humanity.

Quality improvement strategies:

- Encourage teachers to do research
- Supports their participation in orientation programs, seminars, workshops and conferences.
- Supports applications for faculty development programs
- Encourage departments to conduct seminars
- Encourage teachers to take up research projects.
- Publication of research journal
- Activities of the Research Committee
- Implementation of INFLIBET.

Community Engagement:

Policy: Symbolic growth of local community and the Institution

Quality improvement Strategies:

- The Extension & Outreach Cell, Women's Protection and Empowerment Cell: concentrate on the immediate locality for their programs e.g. the paper bag making class, entrepreneurial training for students and locals such as soap & candle making classes, beautician training classes etc.
- Organizes awareness drives on such issues as AIDS, blood donation, tree plating etc; by the NSS
- The Environment Club organizes environmental awareness drives, and energy conservation classes in the locality.
- Adoption of the village, Cheeryal where college is located by the college.
- Organizes classes at a local school for the children by the English and Maths Departments.
- The teachers donated generously for an old age home.

Human Resource Management:

Policy: Optimal use of available input

Quality improvement strategies:

- Maximum efforts are made to fill up vacancies in teaching and non-teaching posts in the College promptly.
- The IQAC organizes orientation programs for the benefit of teaching and non-teaching staff
- Teachers are encouraged to go as resource persons, consultants, members of various academic boards etc.
- The Management and the Principal identify the skills and abilities of the faculty and staff and they are accordingly given various charges and responsibilities.

Industry Interaction:

Technologies have been changing rapidly, and therefore, updating and retraining the work force continuously are becoming major challenges facing every country today. Industries and Technical educations have a strong mutuality of interest which forms the basis of partnership between them. The institute has set up an Industry-Institute

Partnership Cell. The activities of Industry Institute Interaction Cell include:

- Developing close links between Industry-Institute by interaction programs. High priority is given to activities designed to bring about improvement in the performance of industries with our inputs. College has undertaken certain software development work of a few companies through its faculty and students with a few IT companies.
- Mobilizing industrial personal. A partnership approach. Certain MoUs have been signed with six industries.
- Identifying the present day requirements for professional (engineers / managers) and meeting the future human resource needs.
- Organizing seminars, symposiums, exhibitions and workshops.
- Widening the scope for effective implementation of R&D and consultancy.
- Testing and Calibration instruments for Industries.
- Conducting training programs in Science, Technology and Management etc.
- Opening up the infrastructure facilities of the college departments for utilization by the Industry in resource generation.
- Joint collaborative research.
- Disseminating technical advances through informal educational techniques.
- Training the shop floor personnel through continuing education program.
- Publishing and issuing technical bulletins / news letters and course material with latest technological developments.
- Collaborating with other societies (National and International) having similar objectives
- Testing of products and setting of quality control parameters for the Industry.
- Products Development.
- Other partnership programs, if any.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

Extent of use of the feedback from stakeholders and Feedback System in Design and Development of Curriculum:

- GCET sincerely believes in the role of feedback by the stakeholders to design, develop and deliver an excellent-curriculum to their students.
- Translate vision, mission, objectives and goals of the institution by satisfying the stakeholders
- Institute obtains feedback on curriculum from the stakeholders like students, employers, faculty, parents, alumni, resource-persons, industry and course experts.
- Feedback from students will be collected twice in semester i.e., once in two months.
- Feedback from alumni is collected once in a year regularly through alumni association meets.
- Feedback from parents is collected at the end of every semester for II/III/IV year

students. In case, of 1st B.Tech the same is collected thrice.

- Feedback from Experts, Visitors, Resource Persons and GB Members will be collected as and when they visit the campus.
- Feedback from employers will be collected twice, one at the time of visit and other after one year of their visit to the campus.
- Feedback from employers orally is also being collected due to their pre-occupation and business.

Faculty and Curriculum in General:

- Feedback is gathered from students to know their opinion collect their opinion on curriculum, faculty, staff and managerial resources.
- Secretary and the Principal often collect oral feedback from the students to improve quality in methods of teaching and equipping laboratories and other facilities of the institution.
- The views, opinions and suggestion will be constructively taken by management and positive action is taken in that direction, if necessary.
- Feedback will be collected separately for all programmes organized by the institution.
- Separate feedback will be collected for Soft-Skills and CRT Classes to further improve quality of inputs to make students more competitive to gain employment.

Data Collection, Evaluation, Analysis, Monitoring, Reporting and Action Taking Process:

- Feedback will be collected through oral interviews, filled- questionnaires, Canvassing-Schedules, Electronic-Forms through Mails.
- So Collected feedback-data may be analyzed, presented and interpreted in the form of tables and graphs with useful comments, inferences and meaningful conclusions.
- Abstract and Summary of findings and conclusions are communicated to faculty members through Heads.
- HODs take necessary steps to change the existing method of teaching of the faculty member or employ innovative methods to make the course objectives and outcomes more understandable to the students to succeed in their endeavors.
- Faculty members will also be given an opportunity to improve the quality of teaching in that course, in case of weak performers.
- QC Cell collects the feedback on a Computer Based feedback and is sent for analysis to the respective departments for further action.
- In general the feedbacks will help the institution to enrich the overall quality of the programmes and to adopt innovative methods of TLP in particular at course level.
- Impact of quality of the programmes may be assessed by analyzing the student performance in end-examination results and performance in securing placements.

Analysis of all the feedback collected is passed to Management by the Principal.

6.2.6 How does the Management encourage and support involvement of the staff in

improving the effectiveness and efficiency of the institutional processes?

The college plays a very vital role in motivating the faculty members to come forward to initiate and gain competitive edge through role in decision making by the following activities:

- Heading and being members of various committees at college level
- Empowering the individual faculty through decentralized functioning mechanism.
- Great level of flexibility in academic administration to make decisions
- In designing the required training programs and updates it needs
- In preparing annual plans
- Freedom of action and decision
- Freedom of thought and expression
- Idea generation and implementation
- Providing feedback to determine the degree of the positive impact on any proposed activity by the department / college.
- Formal / Informal gatherings with the Management periodically.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Minutes of GB Meeting along with persons responsible to take action on each agenda item of the institution enclosed herewith for ready reference:

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
CHEERYAL, KEESARA, R.R DIST
MINUTES OF THE MEETING

NATURE OF MEETING		GOVERNING BODY	
VENUE		Board Room	
FREQUENCY OF MEET		TWICE IN AN ACADEMIC YEAR	
CONVENED ON (DATE) 10.10.2014		TIME: FROM 11 AM TO 1 PM	
LIST OF MEMBERS ATTENDED	Copy Attached		
COPIES CIRCULATED TO	All members of the Governing Body		
AGENDA POINTS	DETAILS OF DISCUSSION	REMARKS BY THE MEMBERS OF THE GOVERNING BODY	RESPONSIBLE PERSON AND TARGET DATE
1. To confirm the minutes of last GBM held on 7th march 2014. **2.Closure of courses**	A Power point presentation was given by the Principal, Dr. Udaya Kumar Susarla, about the plans and the slots allotted for NBA Re-accreditation of CSE, ECE branches (from Dec-Feb 2015) and NBA Accreditation for EEE and additional requisite of AICTE is NAAC accreditation. The members took note of the declining trend of admissions to M.Tech (ECE) and M.Tech(SE) courses. After a lengthy discussion it was decided to close these courses. It was accordingly resolved to apply to the competent authorities for closure of the courses w.e.f.2015-16.	The Committee enquired about the accreditation for the department of Mechanical. Principal replied that it would take more time for the branch to go for accreditation as it is the first outgoing batch this year.	Secretary also conveyed the same information on accreditation status.
3.Action plan on the suggestions given.	Dr. Udaya kumar Susarla while explaining about the strengths of the college, he mentioned in detail the number Ph.Ds' in each dept. and their research paper publications.	To this Mrs. VeenuJindal remarked on the idea of concentrating	Secretary Mr. Ravinder reddy explained to the committee about the fact that the

		more on the efficacy of the faculty than their qualification?	recruitment of more number of Ph.Ds is to improve the quality of education and to enhance the students' analytical thinking, logical reasoning and research oriented application bent of mind.
	Answering to Dr.Viswanath on faculty publications, Dr.Susarla mentioned the number of faculty publications in journals both national & international branch wise as CSE-16, EEE-6, ECE-35, IT-02, S&H-a good number and also about the approved and applied proposals for different technical projects. A plan to conduct an IEEE International conference from the department of ECE	Dr. Viswanath was interested in knowing the faculty publication details.	Principal requested Mr.Vishwanath Ekbote to spend some time in the respective departments to peruse the publications of the faculty.
	A discussion on the pass percentage of students, a comparative analysis of pass percentage of competitive colleges in and around Keesara and criteria for recruitment and termination of the faculty was held.	Dr. Susarla replied that the results were quite encouraging and the parameters of faculty stabilization or retention is 1. Pass % 2. Students feedback 3. Research publications 4. Subject clarity with the students.	
	Mrs. Veenu Jindal was interested in reading the published papers on English Language Teaching.	She was assured by the secretary to provide the hard copies of research papers.	Mrs.K.Madhumathi garu forwarded the soft copy of her publications to Mr.Veenu Jindal garu
	Mr. Ekbote enquired about the Future targets and achievements of the college and gave some suggestions.	**Principal assured that the suggestions given would be implemented**	1.Implemented a few of them. 2. Planning to implement the other suggestions.

Suggestions of the committee…. 1. To improve credibility – he suggested to improve infrastructure, faculty, quality of outgoing students and their placements. 2. To stay focused on tracking of the students who are employed. 3. Alumni association and more interactive sessions. 4. Social media, Facebook account of GCET Alumni. 5. An open invitation extended by Mr. Vishwanath Ekbote and Ms. Veenu Jindal to conduct sessions for students quality placements – People connect and Social connect – stay connect with industry. To encourage entrepreneurs. Suggestion to encourage 'Tedex talks' – Technology education programme etc.	**Principal and Secretary welcomed the suggestions and assured them on their quick implementation.**

PRINCIPAL

Action taken report:

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
CHEERYAL (V), KEESARA (M), R.R. DIST.,

Notes on Agenda: for the 16th Governing Body Meeting of the College, **27.03.2015.**

ITEM NO:1:- To confirm the minutes of the last Governing Body Meeting held on **10-10-2014**.

Action Taken Report of the Governing Body Meeting held on 10-10-2014

NATURE OF MEETING		GOVERNING BODY	
VENUE		Board Room	
FREQUENCY OF MEET		TWICE IN AN ACEDEMIC YEAR	
CONVENED ON (DATE) 10.10.2014		TIME: FROM 11 AM TO 1 PM	
LIST OF MEMBERS ATTENDED	Mr. G.R. Ravinder Reddy, Dr. S. Udaya Kumar, Dr. S. Durga Bhavani, Dr. C. Srinath,Mr. Vishwanath Ekbote, Ms. Veenu Jindal, Prof. K. Somasekhara Rao, Dr. S T. Raj Mohan, Prof. D. Ramakrishna Rao, Mr. S.V. Gangadharam		
COPIES CIRCULATED TO	All members of the Governing Body		
AGENDA POINTS	DETAILS OF DISCUSSION	REMARKS BY THE MEMBERS OF THE GOVERNING BODY	RESPONSIBLE PERSON AND TARGET DATE
1. To confirm the minutes of last GBM held on 7th march 2014.	A Power point presentation was given by the Principal, Dr. Udaya Kumar Susarla, about the plans and the slots allotted for NBA Re-accreditation of CSE, ECE branches (from Dec-Feb 2015) and NBA Accreditation for EEE and additional requisite of AICTE is NAAC accreditation.	The Committee enquired about the accreditation for the department of Mechanical.	Secretary also conveyed the same information on accreditation status.
2.Closure of courses	The members took note of the declining trend of admissions to M.Tech. (ECE) and M.Tech. (SE) courses. After a lengthy discussion it was decided to close these courses. It was accordingly resolved to apply to the competent authorities for closure	Principal replied that it would take more time for the branch to go for accreditation as it is the first	

	of the courses w.e.f.2015-16.	outgoing batch this year.	
3.Action plan on the suggestions given.	Dr. Udaya Kumar Susarla while explaining about the strengths of the college, he mentioned in detail the number Ph.Ds' in each dept. and their research paper publications.	To this Mrs. Veenu Jindal remarked on the idea of concentrating more on the efficacy of the faculty than their qualification?	Secretary Mr. G. R. Ravinder Reddy explained to the committee about the fact that the recruitment of more number of Ph.Ds is to improve the quality of education and to enhance the students' analytical thinking, logical reasoning and research oriented application bent of mind.
	Answering to Dr. Viswanath on faculty publications, Dr. Susarla mentioned the number of faculty publications in journals both national & international branch wise as CSE-16, EEE-6, ECE-35, IT-02, S&H-a good number and also about the approved and applied proposals for different technical projects. A plan to conduct an IEEE International conference from the department of ECE	Dr. Viswanath was interested in knowing the faculty publication details.	Principal requested Mr. Vishwanath Ekbote to spend some time in the respective departments to peruse the publications of the faculty.
	A discussion on the pass percentage of students, a comparative analysis of pass percentage of competitive colleges in and around Keesara and criteria for recruitment and termination of the faculty was held.	Dr. Susarla replied that the results were quite encouraging and the parameters of faculty stabilization or retention is 1.Pass % 2. Students feedback 3. Research publications 4. Subject clarity with the students.	

	Mrs. Veenu Jindal was interested in reading the published papers on English Language Teaching.	She was assured by the secretary to provide the hard copies of research papers.	Mrs. K. Madhumathi garu forwarded the soft copy of her publications to Mr.Veenu Jindal garu
	Mr. Ekbote enquired about the Future targets and achievements of the college and gave some suggestions.	**Principal assured that the suggestions given would be implemented**	1.Implemented a few of them. 2. Planning to implement the other suggestions
Suggestions of the committee…. 6. To improve credibility – he suggested to improve infrastructure, faculty, quality of outgoing students and their placements. 7. To stay focused on tracking of the students who are employed. 8. Alumni association and more interactive sessions. 9. Social media, Face book account of GCET Alumni. 10. An open invitation extended by Mr. Vishwanath Ekbote and Ms. Veenu Jindal to conduct sessions for students quality placements – People connect and Social connect – stay connect with industry. To encourage entrepreneurs. Suggestion to encourage 'Tedex talks' – Technology education programme etc.			**Principal and Secretary welcomed the suggestions and assured them on their quick implementation.**

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If "Yes", what are the efforts made by the institution in obtaining autonomy?

"Yes"

The JNTUH(Affiliating University) has a provision for according autonomy to its affiliated institutions, subject to the completion of 10 Years.

The institution is putting in all efforts to reach the status of autonomy to further enhance the teaching learning process.

Under JNTU-H, Permanent affiliation is the precondition to obtain Autonomous status and the Institute has already got the Permanent affiliation and Institute is in pursuance of the same.

The college has already received UGC 2(f) and 12(b) status. The college has already applied for autonomous status.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

College constituted committees to address the grievances of both students and staff. Further a separate cell is established by the institution for women students and staff.

Following are the some of the salient features of grievance redressal at GCET:

- The Institution has Grievance Redressal Cell for its employees and students.
- There is a stipulated process to undertake grievances of any kind from staff and students of the institution.
- The Principal, by virtue of the position will act as the Chairman for all Committees including grievances of all staff and student members.
- Separate committees were formed to take-up any type of grievance whether it is related to male or female staff/student members.
- A representation to be lodged by the aggrieved party regarding their grievance before the committee.
- Committee Members, after a thorough analysis; settle the grievance to the satisfaction of aggrieved parties and conceal the grievance.
- Based on the seriousness of the issue, the punishment differs.
- The Principal is the ultimate appellate for all further appeals after the recommendation made by the respective committee.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

-No Court Cases against GCET-

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If "Yes", what was the outcome and response of the institution to such an effort?

- Course End Surveys and Course Assessment Metrics are used to understand student opinions on achievement and attainment of course objectives and outcomes. Faculty in-consultation with Heads will address these issues from time to time.
- An exit feedback will be collected on all aspects from outgoing students to improvise curriculum in light of its vision, mission, PEOs, POs and Graduate Attributes.
- The views of the students will be honored by revisiting its short-term goals for the benefit of existing students and other stakeholders.
- IQAC will take care of maintaining quality of the curriculum.
- Feedback is also taken on Infrastructural facilities.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Following are the some of the efforts in this direction:

- FDPs and Workshops on Pedagogy for newly appointed staff.
- Senior Faculty Members of the department act as resource persons in the college FDPs/Workshops/Seminars/Conferences/Technical Paper Contests.
- Faculty are sent to National and International FDPs/Workshops/Seminars/ Conferences/ Short-Term Courses with needy financial assistance which include Registration Fees, Traveling Allowance, Local Conveyance, Lodging and Boarding Expenses within and outside the state.
- Presentations by the Heads to The Principal and Secretary about the achievements of the departments.
- Departmental strategies to further improve the quality of TLP.
- Department's academic and R&D plan for forthcoming semesters.
- Departments are well-equipped to enhance advanced and self learning modules.
- Institute has tie-ups with IUCE Webinars, Online NPTEL Audio Visual lectures.
- Financial and Non Financial Motivation/Incentives for Higher qualification and QIP
- Financial assistance to the faculty members, interested to get registered to obtain memberships in professional associations.
- Financial assistance to the Technical Training Programmes for Technical and Non Teaching Staff members.
- Financial and Non Financial Incentives to the faculty members for publishing in national and international journals.
- Senior Faculty Members Train the Technical Staff in labs periodically for better maintenance of equipment.
- Skill development programs such as Soft-Skills and Computer Knowledge on MS Office Tools are organized both for Teaching and Non teaching staff for better documentation and filing.

The details of Programs conducted for the faculty are as follows (EEE/ECE/CSE/IT/ MECH/MBA/SH):

No	Department	2010-11	2011-12	2012-13	2013-14
1	EEE	-	2	5	1
2	ECE	6	6	6	5
3	CSE	2	2	5	7
4	IT	-	-	-	1
5	Mech.	-	-	-	5
6	SH	-	-	-	-
7	MBA	1	1	2	-
8	MCA	-	-	-	-
9	Institution	1	1	2	-

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- All the faculty members invariably attend at least one internal and one external FDPs/Workshops of Teaching Methodology every year.
- Faculty members must attend at least one external FDPs/Workshop in their specialized field of study.
- All faculty members are encouraged to participate in national/ international conference/seminar.
- All faculty members are motivated and assisted by professors of the department to publish their research work in reputed journals.
- Non-Teaching-Technical-Staff is encouraged to attend Training Programmes at the Industry-End through tie-ups/MOUs with the department/institution.
- Faculty members are exposed to student-mentoring techniques, methods, Career Guidance and counseling programmes once in a semester.
- Staff members are motivated to enhance their skills towards QIP.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- Well–Structured Self Appraisal Report form is already in use for assessment of Performance of faculty members.
- At the end of the academic year, the faculty members have to fill the details of their academic, administrative, R&D and Consultancy activities during their Service in general and last academic year in particular, to assess them for future training, increment and promotion.
- Appraisal form covers various aspects of teaching, mentoring, feedback, performance of students in that course, publications, organizing and attending FDPs etc., and focus on all-round development of faculty members in light of Outcome Based Education and in the interest of stakeholders.

6.3.4 **What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

- Performance appraisal forms are reviewed by Principal and Secretary for betterment of faculty career and to address the stakeholders needs in light of OBE.
- Advise on suitable remedial measures on various academic, administrative and R&D for retention of valuable services of the faculty.
- In inevitable cases, a final recommendation and opinion of HOD will be considered for further action and intimate the same to GB with explanation for such severe action by the institute.
- Institutional opinion and final decision will be communicated to the respective faculty member through HODs.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

No	Facility	Employees benefited out of 300 on rolls	%	Remarks
1`	EPF	All	100 %	
2	Free Medical facility	Emergency medicines available to all in the college.	100 %	
3	Subsidized transport	175	88%	
4	Vehicles and Bus Passes	Bus passes to 40 employees. Vehicles to all Professors / HODs.	25%	
5	Special Allowance to Training and Placement Officers	3 TPOs, 3 exam staff branch, Maintenance staff: 1, Admin staff : 1		
6	Need Based Financial Assistance to staff	40		
7	Cell Phone/Laptops	To all department in charges		
8	Special Leaves	All		
9	Maternity Leave	15		
10	Medical Leave	All		
11	Study Leave	10		
12	Concession in Fees of Staff Children in GCET	12		
13	Financial Assistance for Higher Studies/ International conference and journals.	13		
14	Canteen	Free to all maintenance staff		

The following are the some of the schemes / benefits offered by the Institution.

- EPF contribution by Management to all the eligible staff members.
- Free Medical facility at the institute
- Subsidized transport to needy staff members
- Vehicles and Bus Passes to the Runners/Messengers.
- Public transport Bus Passes to all drivers.
- Special Allowance to Training and Placement Officers
- Need Based Financial Assistance to staff
- Cell-Phones and Laptops to HODs for better connectivity and networking.
- CLs, HPLs, CCL, Medical Leave and Examination Leave as per their eligibility.
- Maternity Leave in case of female employees
- Special Leave on the occasion of marriage to staff
- Health Awareness camps within campus and Free Medical Check-ups.
- Sports and Cultural activities to staff at the time of annual day celebrations
- Fee concession to children of staff members who are studying in GCET.
- Financial assistance for higher studies.
- Canteen facility for students and staff.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- ✓ A vibrant academic atmosphere is the key to attract and retain eminent faculty.
- ✓ The college has always maintained such an atmosphere and shown appreciation for all the achievements of the faculty.
- ✓ The college has a well defined recruitment policy within the framework of the Government norms, with adequate facilities for research and extension activities.
- ✓ Appointments of faculty and staff are made purely on merit.
- ✓ All teachers enjoy academic freedom and there is absolutely no preferential treatment or victimization.
- ✓ The Institution encourages eminent faculty to publicize their area of expertise. It provides maximum opportunities for extraordinary teachers to implement their innovative ideas.
- ✓ The Institution provides physical facilities such as well furnished faculty and staff rooms, free internet access, computers, well equipped laboratories and a digital library and provides an atmosphere conducive for teaching and learning.
- ✓ The Management appreciates the achievements of the faculty and staff in the faculty and staff meetings held periodically.
- ✓ Quality enhancement programs are arranged for the faculty and staff.
- ✓ Research is given priority, publications, research projects and paper presentations are encouraged.
- ✓ Teachers are encouraged to attend seminars, workshops, conferences and orientation programs.

The following are the some of the Institutional initiatives in this direction.

- ➢ Special increments, promotions and compensation packages are provided to eminent faculty retention
- ➢ Special transportation allowances and facilities
- ➢ Provident fund
- ➢ Special timings of their choice
- ➢ More weekly offs
- ➢ Motivation to apply for consultancies and R&D Schemes
- ➢ Industrial Associations//Professional Body Members/Professional Associations tie up will help to attract eminent professors to our organization

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- ➢ Internal Audit system is in place. All the accounts are audited by the certified chartered accountants.
- ➢ All proposals for major purchases are approved by the managing committee after full justification and old stock being taken into consideration.
- ➢ At the beginning of the session the annul budgets for finance as well as man power are prepared / reviewed and approved by the managing committee.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- The Governing Body of the college consisting of university and AICTE nominee, management representatives and other industry and academic members preview financial year budget proposals including Income & Expenditure (both recurring and nonrecurring) details. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.
- The college has an internal audit system where the utilization of various resources, and the related receipts, bills and vouchers, supporting documents are verified periodically to ensure proper utilization of the resources.

External:

External Audit Committee verifies the income and expenditure details of the college as per the balance sheet.

Then all the statements are recommended for External Audit.

There will be statutory financial audit by the External Audit Agency who is a qualified Chartered Accountant recognized by ICAI. External Statutory Audit is conducted without the institution's interference.

The audited financial reports for the last year is shown below. The earlier academic years finanacial reports are kept in website of the institution.

Government of India

INCOME-TAX DEPARTMENT

ACKNOWLEDGEMENT

Received with thanks from **TEJA EDUCATIONAL SOCIETY** a return of income in Form No. **ITR-7** for assessment year **2014-15**, having the following particulars.

PERSONAL INFORMATION			
Name TEJA EDUCATIONAL SOCIETY			PAN AAATT7624B
Flat/Door/Block No. SY NO.33 & 34	Name of Premises/Building/Village		
Road/Street/Post Office CHERIYAL VILLAGE	Area/Locality KEESARA MENDAL		
Town/City/District R R DIST	State ANDHRA PRADESH	Pin Code 501301	Status [05]
Designation of Assessing Officer (Ward/Circle)	CENTRAL CIRCLE 7	Original or Revised	Original

COMPUTATION OF INCOME AND TAX THEREON						
1	Gross total income				1	Nil
2	Deductions under Chapter-VI-A				2	Nil
3	Total Income				3	Nil
3a	Current year loss (if any)				3a	Nil
4	Net tax Payable				4	Nil
5	Interest Payable				5	Nil
6	Total tax and interest payable				6	Nil
7	Taxes Paid					
	a	Advance Tax	7a	Nil		
	b	TDS	7b	Nil		
	c	TCS	7c	Nil		
	d	Self Assessment Tax	7d	Nil		
	e	Total Taxes Paid (7a+7b+7c+7d)			7e	Nil
8	Tax Payable (6-7e)				8	Nil
9	Refund (7e-6)				9	Nil

Receipt No. Date	Seal and Signature of receiving official

पावती सं/ASK No: 065290914047938
दि.नि व/Date/A.Y: 29-09-2014/2014-15
पैन / PAN: AAATT7624B / ITR7
नाम / Name: TEJA EDUCATION
RRR/BIN: CA044020522/ N00010/14
आ.अ. / AO: DDIT/ADIT (EXEMPTIONS)-II, HYDERABAD

E NO.	: D-31		
ME OF ASSESSEE	: TEJA EDUCATIONAL SOCIETY		
AN	: AAATT7624B		
OFFICE ADDRESS	: SY NO.33 & 34, CHERIYAL VILLAGE, KEESARA MENDAL, R R DIST, ANDHRA PRADESH-501301		
STATUS	: AOP (TRUST)	ASSESSMENT YEAR	: 2014 - 2015
WARD NO	: CENTRAL CIRCLE 7	FINANCIAL YEAR	: 2013 - 2014
D.O.I.	: 09/09/2002		
EMAIL ADDRESS	: mallesham1975@gmail.com		
NATURE OF BUSINESS	: SOCIETY		
METHOD OF ACCOUNTING	: MARCANTILE SYSTEM		
NAME OF BANK	: UTI BANK LTD., (UTI)		
MICR CODE	: 500211003		
IFSC CODE	: UTIB0000027		
ADDRESS	: TARNAKA (TNK)		
ACCOUNT NO.	: 027010200001182		
RETURN	: ORIGINAL		

COMPUTATION OF TOTAL INCOME

INCOME FROM OTHER SOURCES		191582637
TUITION FEE	137492825	
ADMISSION FEES & OTHER FEES	29421858	
INTEREST BANK SB ACCOUNT	12267	
INTEREST FROM FD-AICTE	332500	
DST AND LIDER PROJECT FUND RECEIVED	545000	
INSURANCE CLAIMS	64020	
TRANSPORTATION FEE	22614167	
AICTE GRANTS RECEIVED	1100000	
TOTAL	191582637	
INCOME BEFORE APPLICATION OF INCOME		191582637
LESS : APPLICATION OF INCOME		
SALARIES STAFF	104232348	
ELECTRICITY CHARGES	2835264	
JNTU FEES	10536699	
BUS MAINTENANCE AND TRANSPORT	6728642	
INTEREST ON TERM LOAN	12051947	
INTEREST ON WORKING CAPITAL	2566220	
STUDENT MERIT SCHOLARSHIP	342000	
HIRE CHARGES	982151	
DEPRECIATION	27969054	
COLLEGE MAINTENANCE	22535129	
AMOUNT ACCUMULATED OR SET APART UPTO 15% (28737396)	803183	191582637
GROSS TOTAL INCOME		NIL
TOTAL INCOME		NIL

COMPUTATION OF TAX ON TOTAL INCOME

TAX ON RS. NIL	NIL
TAX PAYABLE	NIL

For Teja Educational Society

Secretary / President

TEJA EDUCATIONAL SOCIETY
BALANCE SHEET AS AT 31ST MARCH, 2014

LITIES	AMOUNT	ASSETS	AMOUNT
APITAL		FIXED ASSETS	
CORPUS FUND	6,33,25,803.00	BUILDING UNDER CONSTRUCTIONS	9,98,206.00
LOSS OF INCOME OVER EXPENDITURE	(1,09,96,993.00)	GROSS FIXED ASSETS	20,13,96,553.00
NET PROFIT	8,03,183.00		
		CURRENT ASSETS	
LOAN FUNDS		CASH AND BANK	
SECURED LOANS		CASH AT BANK	9,59,166.00
CANARA BANK LOAN	8,22,27,414.00	CASH	
ICICI BANK LOAN	43,50,607.00	CASH ON HAND	10,70,033.00
UNSECURED LOANS		OTHER CURRENT ASSETS	
UNSECURED LOAN	7,66,89,000.00	FIXED DEPOSIT WITH AICTE	80,00,000.00
		HIRE CHARGES SUSPENSE	10,56,005.00
		PREPAID EXPENSES	7,09,227.00
BANK OD A/C		STAFF AND OTHER ADVANCES	7,09,971.00
CANARA BANK OD	1,94,44,544.00	TDS RECEIVABLE	34,745.00
		TELEPHONE AND OTHER DEPOSITS	10,78,179.00
CURRENT LIABILITIES		TUTION FEE RECEIVABLE	5,48,16,653.00
ADVANCE M.Q.TUTION FEES	75,31,575.00		
OTHER SUNDRY LIABILITIES	94,79,336.00		
STAFF SALARY DEPOSITS	2,87,115.00		
PROVISIONS			
PROVISIONS	1,76,87,154.00		
OTAL	27,08,28,738.00	TOTAL	27,08,28,738.00

For Teja Educational Society

President.

TEJA EDUCATIONAL SOCIETY
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING ON 31ST MARCH, 2014

PARTICULARS	AMOUNT	PARTICULARS	AMOUNT
TO DIRECT EXPENSES		BY GROSS RECEIPTS	
ADVERTISEMENT CHARGES	10,14,690.00	ADMISSION FEES AND OTHER RECEIPTS	2,94,21,858.00
AICTE FEE	11,63,473.00	TUITIONS FEE	13,74,92,825.00
AUDIT FEE	1,01,124.00		
BANK CHARGES	2,99,908.00	BY DIRECT INCOMES	
BUS MAINTENANCE AND TRANSPORT	67,28,642.00	DST & LIDER PROJECT FUND RECEIVED	16,45,000.00
COMPUTER MAINTENANCE	5,71,396.00	INSURANCE CLAIMS RECEIVED	64,029.00
DEPRECIATION	2,79,69,054.00	INTEREST FROM SB A/C	12,267.00
ELECTRICAL CHARGES	28,35,264.00	INTEREST RECEIVED (FD -AICTE)	3,32,500.00
ENTERTAINMENT AND MEETING EXPENSES	45,792.00	TRANSPORTATION FEE	2,26,14,167.00
FACULTY DEVELOPMENT PROGRAMME	76,627.00		
GARDEN MAINTENANCE	24,065.00		
GENERATOR MAINTENANCE	14,21,979.00		
GUEST HONARORIUM	1,94,975.00		
HIRE CHARGES	9,82,151.00		
INSURANCE CHARGES	1,07,079.00		
INSURANCE ON VEHICLE	7,52,832.00		
INTEREST ON TERM LOAN	1,20,51,947.00		
INTEREST ON WORKING CAPITAL LOAN	25,66,220.00		
INTERNET AND WEBSITE CHARGES	7,03,123.00		
JNTU FEES	1,05,36,699.00		
LAB MAINTENANCE	8,62,549.00		
LOSS ON SALE OF VEHICLE	7,812.00		
MEMBERSHIP FEE	58,172.00		
PCI FEES	2,25,000.00		
PERIODICAL AND JOURNALS	86,521.00		
POST AND TELEGRAMS	27,527.00		
PRINTING AND STATIONARY	35,57,365.00		
R&D LIDAR PROJECT EXP	1,59,826.00		
RATES AND TAXES	6,70,209.00		
REPAIRS AND COLLEGE MAINTENANCE	35,83,679.00		
SALARIES TO STAFF	10,42,32,348.00		
SECURITY CHARGES	10,45,530.00		
SEMINARS AND PLACEMENT EXP	2,94,849.00		
SPORTS & GAMES	1,31,463.00		
STAFF WELFARE	4,32,173.00		
STUDENT MERIT SCHOLARSHIP	3,42,000.00		
STUDENT TECHNICAL ACTIVITIES	64,764.00		
TELEPHONE CHARGES	2,08,565.00		
TRAINING & PLACEMENT	22,59,499.00		
TRAVELLING EXPENSES	11,14,627.00		
VEHICLE MAINTENANCE	12,67,945.00		
TO EXCESS OF INCOME OVER EXPENDITURE	8,03,183.00		
TOTAL	19,15,82,646.00	TOTAL	19,15,82,646.00

For Teja Educational Society
Saidi
President

HARI BABU & ASSOCIATES
CHARTERED ACCOUNTANTS

Plot No.10, Flat No. 201, A.R. Residency
Ravi Co – Op Housing Society
Opp. SBI Bank, Trimulgherry,
Secunderabad - 500 015.
E-mail : haribabuc2009@gmail.com
Ph. : 27741549, Cell : 92463 43447

FORM NO. 10B
[See rule 17B]
Audit report under section 12A(b) of the Income-tax Act, 1961, in the case of charitable or religious trusts or institutions

I/We have examined the balance sheet of **TEJA EDUCATIONAL SOCIETY, SY NO.33 & 34, CHERIYAL VILLAGE, KEESARA MENDAL, R R DIST, ANDHRA PRADESH-501301** [name of the trust or institution] as at **31st March 2014** and the Profit and loss account for the year ended on that date which are in agreement with the books of account maintained by the said Trust or institution I/We have obtained all the information and explanations which to the best of my/our knowledge and belief were necessary for the purposes of the audit. In my/our opinion, proper books of account have been kept by the head office and the branches of the above named trust/institution visited by me/us so far as appears from my/our examination of the books, and proper Returns adequate for the purposes of audit have been received from branches not visited by me/us, subject to the comments given below:

In my/our opinion and to the best of my/our information, and according to information given to me/us, the said accounts give a true and fair view-
(i) In the case of the balance sheet, of the state of affairs of the above named trust/institution as at **31st March 2014** and
(ii) In the case of the profit and loss account, of the profit or loss of its accounting year ending on **31st March 2014**.
The prescribed particulars are annexed hereto.

For HARIBABU AND ASSOCIATES
Chartered Accountants
Firm Reg. No. 001054S
Sec'bad
CH. HARIBABU (PARTNER)
M No.022361

Place: **HYDERABAD**
Date: **27/09/2014.**

The following are the major objections from auditors:

S.No	Financial Year	Objection	Remarks
1	2010-11	NIL	Accounts Officer
2	2011-12	NIL	Accounts Officer
3	2012-13	NIL	Accounts Officer
4	2013-14	NIL	Accounts Officer

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any?

-"Yes"-

As and when, the institution experiences shortage of funds; funds would be generated as a loan from Teja Educational Society which is a non-interest bearing fund. Occasionally, institution also raises interest-bearing loans from Canara Bank, Abids Branch, for smooth functioning of the institution.

The audited income and expenditure statement of academic and administrative activities available in the Institutional Website.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

1. College facilities are given to M/s TCS for conducting online Examinations for various entrance / selection requirements, by which, additional income is generated.
2. Whenever there is a shortage of funds, Long Term Loans are availed by the institution towards Infrastructure development and will be paid whenever surplus found in the financial year.

No	Loan availed from	Ref. No.	Rs.	Date of sanction	Status
1	Canara Bank	T/L II Abid CRTEJA 136 2007	2,70,00,000	13/02/2007	Nil
2	Canara Bank		8,40,00,000	13/08/2007	Nil
3	Canara Bank	TEJA 2000-15	4,37,00,000	22/06/2010	1,45,00,000
4	Canara Bank	TEJA TL 2012	4,00,00,000	0208/2012	3,42,85,412

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If "Yes", what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

-"Yes"- As per the guidelines of NAAC, an Internal Quality Assurance Cell has been formed.

- The IQAC has contributed to institutional quality by setting benchmarks in quality enhancement initiatives.
- The IQAC is responsible for the development and application of quality parameters in various areas of operation of the institution.
- It acts as the nodal agency of the institution for quality related activities.
- It is responsible for planning, executing, monitoring and evaluating activities for enhancing institutional quality.

- The cell has the responsibility of collecting the necessary details and sending an Annual Quality Assurance Report (AQAR) every year.
- The IQAC upholds the institutional quest for excellence and emphasizes the need for improving and sustaining the quality of the institution.
- It contributes to institutionalizing quality initiatives namely innovative teaching methods, faculty development programs, improving research and extension, infrastructural development and environment friendly practices.
- The constitution of the IQAC has been widened with external experts, student representatives and a member from the local community.

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

The following decisions of IQAC were approved and implemented by the Management.

- Innovative and technology enabled teaching methods have been incorporated in the teaching learning process.
- Short term courses for students have been conducted.
- Faculty training programs were organized.
- Students were encouraged to participate in inter collegiate competitions and are given opportunities for intra mural competitions.
- All departments conducted seminars and workshops to enhance academic quality.
- Academic audit has been conducted.
- Infrastructural improvements have been made. All labs, canteen, student support centre, class rooms are upgraded, digital library facility provided, drinking water facilities improved and ATM machine installed.
- Energy Audit is conducted.
- Value education training programs have been provided.
- To impart education more effectively to the socially deprived classes (SC/ST/OBC and Minorities) with equity and equal opportunity, remedial classes, mentoring and awareness classes are conducted.
- Constitution of a Research Committee to encourage teachers to work towards their Ph. Ds and / or take up research projects.
- Departments organize outreach program for the local community.
- The functioning of the Counseling cell has been strengthened with a visiting counselor.
- An Entrepreneurship Development Cell has been set up to coordinate and encourage the students to become entrepreneurs.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

… Yes.. Alumni Representatives, Academic Advisory body representative, Industry representative etc.

- Improved R&D work of students
- Improved placements
- Enhanced motivational levels of students.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The analysis of feedback from students and alumni gives an authentic platform to initiate quality enhancement measures. The student and alumni representatives of the IQAC give valuable recommendations. They give suggestions regarding improvement in teaching-learning process, examination system, day-to-day facilities such as library services, drinking water, hygiene, canteen services, etc.

The following steps were taken based on their feedback.

- New library and canteen were built.
- More drinking water facilities were installed.
- Some of the toilet facilities were renovated.
- More emphasis is being given to co-curricular activities.
- The students play the role of active learners who help in creating systems according to their needs and requirements.
- They are also informed about the decisions taken or policies made by IQAC for their welfare through notices and announcements etc.

As far as the alumni of the college is concerned, IQAC makes special efforts to involve them in the college UG program.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC takes feedback from faculty on various aspects particularly on i. PEOs ii. POs iii. R&D iv. FDPs v. TLP vi. Student assessment methods vii. Professions growth of faculty and career development of students etc.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities?

If "Yes"- give details on its operationalisation.

Yes. The Institution has an integrated framework for quality assurance of academic and administrative activities.

- The Principal monitors quality assurance of the institution by integrating the academic and administrative framework effectively.
- The presence of the IQAC has created consciousness on quality parameters and the need to strive for excellence among the staff, students and other stakeholders.

Academic framework:

- The Governing Body and Management ensure that appointment is purely merit based, so that quality is ensured.
- The College Academic Committee includes the Principal as the Chairperson, Heads of the departments, Deans and senior faculty members. It implements the quality enhancement measures suggested by IQAC. It is the decision making body and meets at least once a month and as and when required. The committee monitors the day to day affairs of the college.
- An Academic Calendar, in agreement with the University calendar, is prepared every year under the direction of the College Committee. In accordance with the Calendar, each Department prepares an Action Plan.
- A Teaching Plan, based on the University prescribed syllabus, is prepared for each course by the respective teachers.
- The assignments, seminars and exams are scheduled well in advance so as to set aside ample time for revision.
- The Heads of Departments monitor the work done by each teacher. Classes missed on account of leave or other reasons are compensated by taking extra classes.
- Continuous assessment of the students based on assignments, quiz test papers, labs, and seminars, is done to monitor student performance which is communicated to the parents during Parent-Teacher meetings.
- Attendance of the students is monitored on a daily basis and the same is communicated to parents every day through SMS.
- Extra-Curricular and co-curricular activities are included in the academic calendar so that over all development of the individual is achieved.
- Orientation, value education, counseling classes, career guidance, skill development classes personal hygiene and soft skills development are some of the other areas that are given priority.
- Feedback from staff, students, parents, alumni, members of professional bodies, and recruiters of our students are given due to consideration.

Administrative framework:

- The Governing Body, presided over by the Chairman of the College is the highest authority.
- The Principal being the representative of the Governing Body oversees the day to day functioning of the Institution. The Principal is also the executive and administrative head of the Institution, who monitors the quality enhancement measures of the institution along with the College Academic Committee members.
- The administration of each department is carried out by the staff of that department under the leadership and guidance of the HoD.
- The college Office is headed by Dean Administration followed by the Administrative Officer, Accounts Officers, and other office assistants as staff.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If "Yes", give details enumerating its impact.

Faculty members of the institution are continuous learners, most of the programmes organized by the departments and institution are within the expectations, recommendations and suggestions of IQAC. Moreover, staff members are deputed to various programmes related to quality assurance procedures and standards to be followed in academic institution. The following programs are conducted at regular intervals for effective implementation of the Quality assurance procedures.

- NBA training programs
- Pedagogical programs
- FDPs
- Value –Education programs

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If "Yes", how are the outcomes used to improve the institutional activities?

Yes, The Internal Quality Assurance Cell conducts academic audit of the department annually. All the Heads of the departments present the activities and achievements of their respective departments in eh Administrative and Academic Audit form which is essentially based on NBA format. Constructive criticism is offered by the audit committee that includes external members also. Based on the recommendations of academic audit, specific measures have been taken by the college to improve teaching, learning and evaluation. They are:

- ✓ Improvement of library facilities
- ✓ Organization of seminars and workshops for the faculty and staff to further improve their skills
- ✓ Staff are encouraged to publish their research work and engage in research activities.
- ✓ The computer training for the office staff has increased the administrative efficiency of the office.
- ✓ Quality of classroom instruction, course files, lab experiments and lab manuals, assignments, question papers for internal assessment, tutorial sessions etc.
- ✓ Maintenance of a teacher's diary to record work done by teachers
- ✓ Publishing newsletters / magazines etc.
- ✓ To showcase creative exhibits and the activities of the departments
- ✓ Subscribing to on-line journals.
- ✓ Improving extension activities
- ✓ Optimum utilization of e-journals.
- ✓ More ICT enabled / innovative teaching
- ✓ Conducting Value education classes
- ✓ Starting short term courses
- ✓ In addition, college gets the audit by external agency and is ISO 9001-2008 certified institution.
- ✓ Three UG programs were accredited by NBA. Applied for reaccreditation of the UG programs.
- ✓ CYIENT, a highly reputed Engineering and IT services company also conducted its audit for conducting campus placements in the college.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The internal quality assurance systems are developed in alignment with those of the accreditation bodies such as NBA, NAAC etc. They also more than meet the requirements of JNTUH and AICTE.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Continuous review of the teaching takes place in the college by considering the inputs from the students' feedback. These inputs are not only unused to highlight the major drawbacks of the teaching –learning mechanism adopted by the college but also to evaluate the teaching ability of the faculty so that a corrective action can be taken to minimize the deviation from the desired target.

The following institutional mechanisms are in place to continuously review the teaching learning process.

The Internal Quality Assurance Cell: It is the body that initiates quality measures and reviews the teaching-learning process.

Structure :

The IQAC headed by the Principal includes coordinator, external experts, and members from the management, teaching and non-teaching staff, students, alumni and the local community.

The college academic committee: It sets the academic framework for each year and meets at least once a month to review and discuss matters. It also monitors the day to day functioning of the College.

Structure:

The college Academic Committee includes the Principal as the Chairperson, Heads of the departments, Deans and senior faculty members (All professors) from the faculty.

The methodologies adopted to review the teaching learning process are:

- Weekly reports are collected from faculty on the progress made towards the timely completion of syllabus.
- Monitoring sessions to provide students with personalized support are regularly held.
- Students attendance and Mentor books are observed on a fortnightly basis.
- Three separate students' counselors are available for each section, who act as mentor to the students
- In addition a class adviser is provided to each section.
- Detailed lesson plan and subject-wise lecture notes are required to be provided by each faculty member. The faculty members have to furnish assignments to students for their assessment. A copy of the same is also sent to the Head of the department.
- Lab manuals are prepared by the institution and made available to the student so that the students can correlate their theoretical concepts with practical application in more refined manner.
- Assignments, test papers, tutorials, seminars, workshops, doubt clearing sessions and evaluation of results.
- ICT enabled teaching methods are encouraged.

- Tutorial sessions and remedial classes are conducted to help slow learners, who are identified by means of an entry level test and from their performance in class tests.
- Head of the department reviews the progress of the syllabi, the performance of the faculty and performance of the students. The department level activities are regulated and monitored by the Head of the department.
- The progress report of the departments is conveyed to the Principal by the respective heads of the departments.
- College Academic Committee meets every week and department faculty / staff meetings are held every fortnight that help to review teaching-learning and evaluation process.
- Parent-teacher meetings are held regularly to inform the parents about the performance of their wards and instructions are given for improvement. Parents can also see their ward's performance through college portal / winnou software.
- Feedback is collected from students regarding teachers as well as the facilities offered by the institution. The IQAC analyses the feedback and communicates the results to the Principal and Manager for suitable action.
- Examination results are analyzed and reviewed. Strategies for improvement are devised and implemented.
- An academic audit is conducted by the IQAC to review the teaching-learning process.

The Research Committee:

It reviews and promotes the research activities of the College. It monitors applications for research projects and the progress of sanctioned projects.

Structure:

Chaired by Principal, it consists of a convener / coordinator and all Ph.D holders of the College as members.

- The committee conducts sessions for faculty and motivates them to do research by stressing on the aspect that teaching and research go together.
- It also informs the faculty that their research should be brought into the class room in the sense that their research should be well connected to the students' curriculum and should facilitate students with the emerging trends in the area of their study for a progressive long term career.

6.5.7 How does the institution communicate its quality assurance policies, mechanism and outcomes to the various internal and external stakeholders?

The institute communicates its quality assurance policies, mechanisms and outcomes to the internal stakeholders through the Council meetings, staff meetings and the College notice boards. The external stakeholders are informed through:

- Parent teacher meetings
- Alumni meetings
- Recruiters Meetings
- Professinal Bodies Meetings
- The College Handbook
- The College Website

<<<>>>

CRITERION VII

(Innovations and Best Practices)

CRITERION VII

7.1 ENVIRONMENT CONSCIOUSNESS

Geethanjali College of Engineering and Technology is located in a serene environment. The college is away from the hustle and bustle of the city. It is located in a lush green campus. The college has well established state-of the art labs, and well ventilated classrooms. The Library is stacked with large number of books. The Library is a store house of knowledge, with books not only on engineering courses, but also on personality development, soft skills and motivational books, to name a few. Geethanjali has all the required facilities to provide and hone employability skills among its students. Geethanjali College of Engineering and Technology and its Management are cognizant and extremely serious about conservation of environment. We have taken various measures to impart and maintain our ambience green over our existence for past 9 years. We are committed to promote a clean and green environment fostering creativity and originality. Geethanjali believes in 'Innovation is life.' With this in mind, to support the theoretical knowledge gained, practical exposure is provided for students. This amalgamation of theory and practice enhances confidence and also creativity among the students. To provide practical approach to students on various emerging trends, workshops, seminars and guest lectures are conducted at periodical intervals.

7.1.1 Does the college conduct a Green Audit of its campus and facilities?

No. However, the college is taking all steps to conduct a Green Audit of the campus and facilities in the near future.

- The college protects the rich vegetation on the campus and plants tress every year.
- The Eco-Club organizes a variety of events to revive and maintain the greenery of the campus.
- Special days such as World Forest Day, World Environment Day, Earth Day, etc. are observed in the College to create environmental awareness among the students and the staff.
- Separate waste bins are kept at necessary places to collect waste and prevent littering of the campus.
- Rain water harvesting is conducted successfully.
- A wide variety of awareness programs on protection of nature, pollution control and campus hygiene are conducted by the NSS unit of the College.
- The trees in the campus help to maintain the campus green and healthy.
- Every department actively involves in cultivation activities.
- National seminars with themes related to ecology and environment were conducted by the department of Science and Humanities.
- Concerns about climate change and environmental studies are part of the curriculum of the common course "Environmental Science" prescribed for all the students.

ECO-CLUB:

Eco club, as a part of Adhira foundation has been organizing many eco-friendly events from 2011. In the month of September 2012 and 2013, members of the club distributed mud Ganesh idols to all the faculty members in order to create awareness about the dangerous effects of Plaster of Paris when mixed with water. In the year 2012, plantation program was organized in Cheeryal village and planted about 100 saplings. This year in addition to the distribution of mud Ganesh idols, the club also conducted awareness program in which students prepared power point presentations on the immediate need to protect environment and cleanliness in schools of Cheeryal village. The programme was a roaring success.

An environmental club with its motto "Geethanjalites Go Green (GGG)" was established in 2009. The club works towards creating awareness of the imperilments of environmental pollution among the students. They are involved in conducting awareness camps like educating the masses on the various ways and means to minimize wastage of water, necessity to reduce the usage of plastics and the immediate need to increase the green cover.

Swachh Bharth: Under NSS wing and Eco - Club Conducted Swachh Bharth Abhiyan (Campaign clean India) program on 1st November 2014. Both the faculty members and students joined their hands in this national level campaign initiated by the Government of India to maintain cleanliness in and around our surroundings.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The institution is aware of its responsibilities in protecting the environment and conducts Green Audit of its campus and facilities. The institution maintains a checklist of the following in connection with Green Audit:

a) Energy Conservation

- Awareness among the students and staff on energy conservation is created by displays at appropriate places.
- Energy preserving lights like CFL, LED are used in the college campus.
- Switching off all the electrical appliances whenever and wherever they are not required.
- All the departments are equipped with appliances and equipment that consume low power.
- The UPS Batteries are maintained in good condition which reduces charging current of batteries.
- The buildings are fitted with glass windows for maximum utilization of natural light.
- The college has widespread arrangements for power distribution with a Central

Substation, Control panel and Power room.

- Periodically equipment checking and monitoring its output current to avoid excess current drawl.
- The Library is designed and planned in such a way that it works on complete day light.

b) Use of Renewable Energy

- Steps are being taken for the utilization of solar power in the college campus.

c) Water Harvesting

- It is done through water ponds.
- During every rainy season the gardener collects / saves / stores the rain water and reuses the same in garden for plantation.
- The water table is maintained satisfactorily in the vicinity of the college.

d) Check Dam Construction

The topography of the area surrounding the college does not call for construction of check dams.

e) Efforts for Carbon neutrality

- Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students.
- The institution restricts the usage of plastic bags in the campus.

f) Plantation/Greening Drives

- Plantation programme has been taken up by the **ECO-CLUB** unit to increase the Green Cover in the village. Every year, tree plantation is being done for making the campus green.
- In the year 2012 we have organized plantation program in Cheeryal village and planted about 100 saplings.
- The NSS team takes care of maintaining healthy environment in the college campus.
- The Gardeners take care of the lawn and plants in the college.
- Awareness programme on eco – friendly clay idols of Lord Ganesh and distribution of idols was done on 03-09-2010 in the college campus.

g) Hazardous Waste Management and e-Waste Management

- This college does not produce any hazardous waste.
- The waste produced include paper, horticultural waste and left over eatables.
- Such wastes are disposed off though certified agencies.
- No burning is permitted in campus.
- The e-waste including old PCs/ Printers/Mediums/Batteries etc is disposed through authorized agencies.
- College works on the principle of minimizing e-waste and promotes refill and reuse.

  Both side printing, reduced intensity prints/ draft prints to minimize ink usage are used.

- Students and faculty members are discouraged from using cell phones in the campus.
- Segregation of waste into wet, dry, bio-degradable, e-waste and hazardous, and colour coding of waste.
- Crockery and broken glassware of any sort is considered hazardous waste and are disposed appropriately.
- Use of plastic bags discouraged within the premises of the college.

7.2 Innovations

Though restricted by the limited academic freedom of an affiliated institution, the college has introduced a spectrum of transformative and innovative options during last four years to respond to the complex needs of its stakeholders, as mentioned hereunder.

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

a) Innovative mechanism / process for internal quality checks

The innovations that are introduced during the last four years which have created a positive impact on the functioning of the college are:

- Outcome Based Education
- Problem/Project based learning wherever applicable
- Active Feedback System
- Enrichment and Value added Courses
- Holistic Education
- Academic Innovations
- Online daily attendance with SMS to parents
- Group maid Ids for faculty, staff and students
- VCHE center.

Outcome based and Feedback System:

- College has **EZ school** software to maintain student and faculty details.
- Students give the feedback about the faculty, program outcomes and course learning outcomes during the semester and at the end of each semester.
- Students are expected to do so for all the faculties concerned with their classes. Informal interaction between students and the class teacher / HOD / principal about issues pertaining to teaching quality is also encouraged.
- Faculty are counseled by the HOD and Principal regarding improvements in course understanding / teaching skills.

Enrichment and value added courses:

- The College supplements the University curriculum through value added courses, capstone courses and enrichment courses that help enhance the employability of the students.
- Introducing professional electives and inter departmental elective courses to improve the knowledge of students which meets the industry needs.

- Centre for Advancement of Career and Human Excellence (CACHE) is the separate department which is responsible for Career Guidance, Training, and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali
- Geethanjali College of Engineering and Technology in association with T.I.M.E. runs a comprehensive student development programme with an objective to build employability skills of students. The program focuses on honing various personality and problem solving skills.
- Pre-placement training (CRT and soft skills) classes are conducted to improve their performance in the placement interviews.
- The College is providing **Academic Support for Students by arranging Remedial classes**. It helps slow-learners or weak students in learning difficult topics.

Holistic Education:

- The purpose of holistic education is to make the students ever ready to meet the challenges of living as well as academics. Holistic education is especially important for young people to learn and understand about themselves, maintained healthy relationships and pro-social behavior. This in turn aids in social and emotional development.
- The college has started a nodal centre of excellence, with the support of Ramakrishna Mutt, Domalguda. As a nodal centre, the college organizes many lectures to motivate the young engineers to invent and also helps them in becoming engineers with values. The guest lectures delivered by learned Swamijis of the Mutt, aid the engineers to become responsible citizens.
- Holistic education aims to call forth from people an inherent respect for life and a passionate love of learning.
- The institute through its curriculum provides a sound base for students to become responsible citizens of this world.
- Arranged a Guest Lecture for B.Tech students on "**ETHICAL & MORAL VALUES IN LIFE"** by Brahmakumari's Eswaria Viswa Vidyalaya Mount Abu.
- Dr.Kambhampati Subrahmanyam Pro-Chancellor S-Vyasa University Bengaluru delivered a Guest lecture on Holistic Development on 5th November 2014.
- One –Day Session on Philosophy of Life and Work Ethics by Dr. Pradeep Kumar Ramancharla IIIT Hyderabad for Faculty under Career Guidance Programme was conducted on 13th December, 2014. He highlighted on the various aspects of personal and professional lives of individuals. He focused on understanding harmony at various levels- starting from the human being and going over to understanding of harmony in the family, in the society, in the nature and finally in the entire existence. Also on the implication of the Right understanding in life and profession, throwing light on human values, the definitiveness of ethical human conduct, humanistic education, humanistic constitution and provided a vision for the holistic way of living.

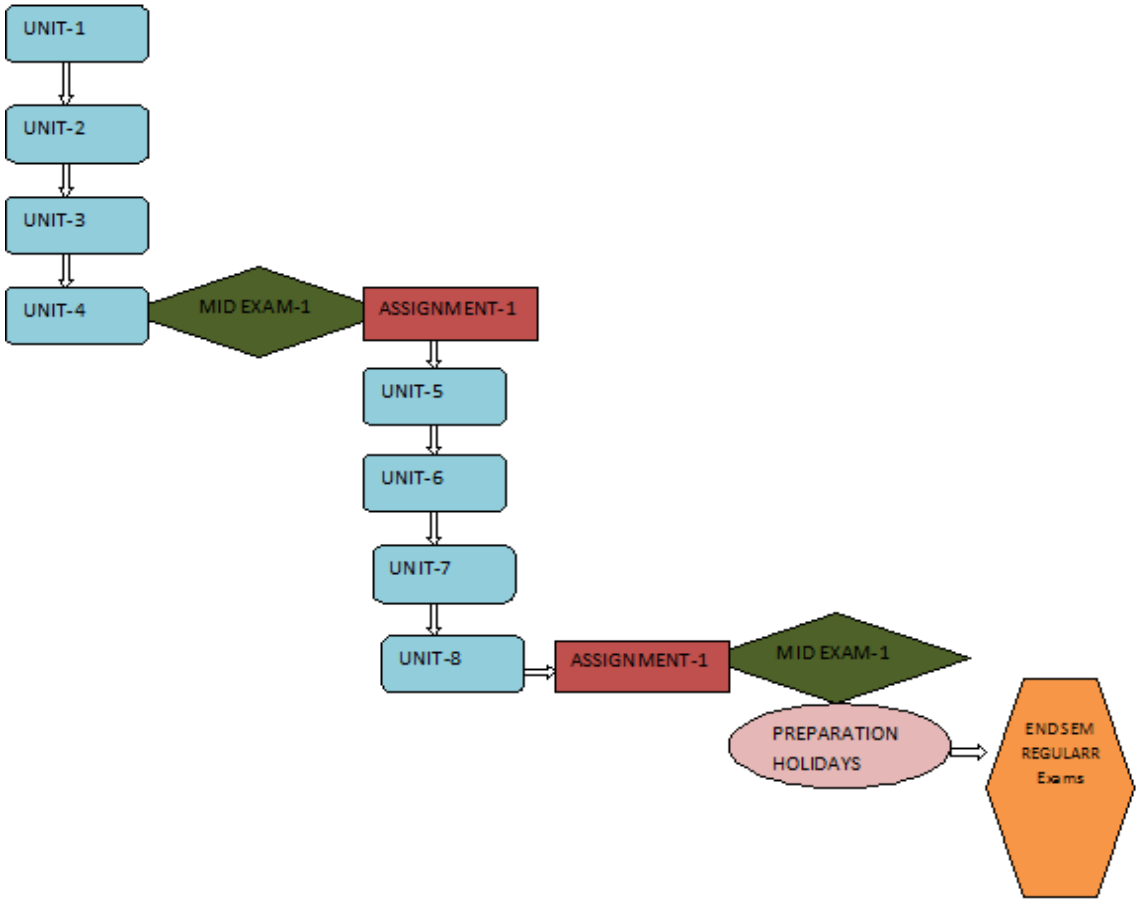
VCHE center

Vivekananda Center for Human excellence of RK Matt was inaugurated on 15th September at GCET by **Swamy Bhodmayanandaji**. The programme was initiated to inculcate positive thinking, Self-confidence,Moral values among students which would help in building their positive personality and would result in holistic development of the students. The idea behind opening a nodal center is to conduct sessions on various topics including scienctific advancement, morals, motivational sessions, softskills etc. by resource persons deputed by VCHE-RK Matt at our college bi-monthly, giving exposure to various issues and transform themselves into human individuals

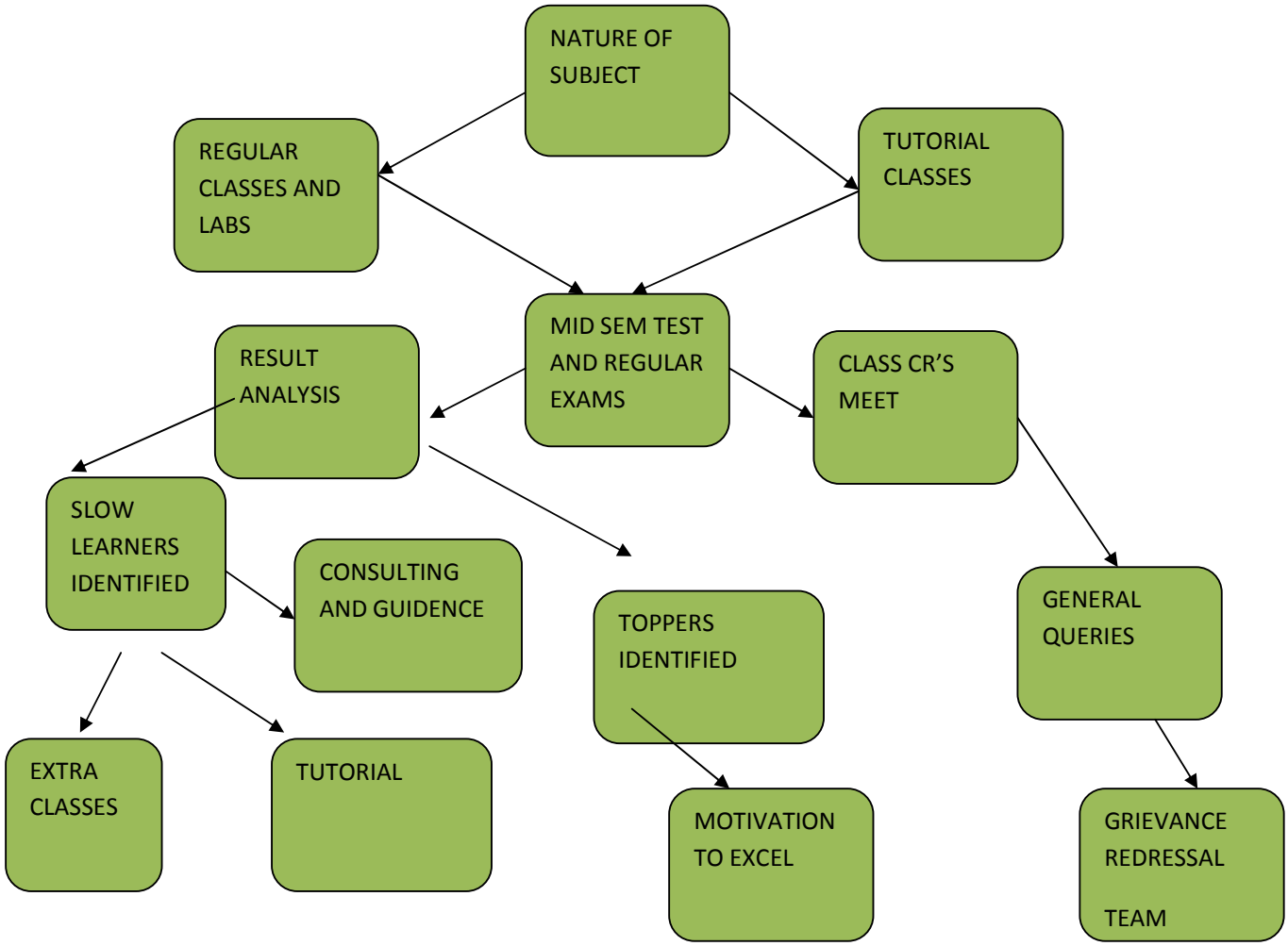
b) Academic Innovations:

- The need for engineers has enormously increased in the recent past which has resulted in starting of more and more number of engineering colleges opening the gates for higher education in the technical field. The institutions are compelled to take extra efforts to leverage the below average students as well, through innovative teaching learning process which will guarantee a decent degree in the stipulated period.
- GCET organizes paper contests, poster presentations, technical exhibitions and project exhibitions for all students (**BHASWARA**) for every academic year.
- The staff members are encouraged to participate in short-term courses, staff development programs and workshops on advanced topics to enhance their level of knowledge and also as a means to constantly upgrade their knowledge.
- Guest Lectures/ workshops are organized by experts / resource persons on advanced topics for the benefit of students and faculty.
- Teachers deliver "Content beyond syllabus" during their classroom instruction.
- Industrial tours are arranged for the students for practical exposure.
- Faculty members are encouraged to participate / present papers at national/ international seminars / conferences.
- College has the students' chapters of professional bodies like IEEE, ISTE, and CSI which organizes events to expose the students for advanced level of technology.
- With this in mind, the following academic road map was designed to be adopted .

ACADEMIC ROAD MAP



Performance Improvement Drive



c. Quality assurance for administration:

- The institution has been granted the status of permanent affiliation by JNTUH.
- Three Departments (ECE, CSE, IT) are accredited by National Board of Accreditation, New Delhi. It is the first college to be accredited among the colleges established in and after 2005.
- Centre for Advancement of Career and Human Excellence (**CACHE)** is the department of the college responsible for Career Guidance, Training, and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali.
- Geethanjali College of Engineering and Technology in association with T.I.M.E. (Triumphant Institute of Management Education) conducts a comprehensive student development programme with an objective to enhance employability skills of its students.
- Improvement in faculty expertise leading to qualified faculty.
- Provides opportunities to non teaching staff to enhance their skills and

qualifications.

- Institute is a recipient of the Engineering educator award by University of Bradford, UK.
- The college has winnou software' for maintaining students' attendance and marks. Parents are provided with user ids and passwords. Hence, the parents have an opportunity to know their ward's records on daily basis.
- College conducts parent meets twice in a semester and collects the feedback about the students.
- Student Mentors conduct / interact regularly with students assigned to them to find out the academic performance of students and probable reasons for the same.
- Poor performance due to frequent absenteeism is dealt with by informing the parents of such students over phone, also by sending registered letters and by sending college staff to their residency.
- College has the students' chapters of professional bodies like IEEE, ISTE, IETE and CSI which organizes the events to expose the students for advanced level of technology.
- College carries out result analysis and gives the information to Internal Quality Assurance Cell (IQAC) and seeks the guidelines from it for further improvement.

d. Memorandum of Understanding (MOU)

The College has MOU's with the following Industries for the Institute – Industry Interaction

1. Sitra InfoTech Pvt. Ltd. is a leading manufacturer of SCADA Systems in 2011.
2. Navanidhi Electronics Pvt. Ltd. is one of the leading manufacturers of Antenna, Filters, Power Supplies, Servo Electronics and other power electronics equipment in 2010.
3. Powertronics Ltd. is one of the leading manufacturers of Power Supplies, Batteries Chargers, Inverters and other power electronics related products in 2010.
4. As an Educational Organization we are very glad to announce that we are CISCO Academy Partner (ID 3089885). Students are provided with CCNA Exploration (Network fundamentals, Routing protocols and Concepts) Certificates upon successful completion.

e. Innovations in Research and Development and Extension

- Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).
- A project titled Design and development of Multi Wavelength LASER RADAR (LIDAR) is sanctioned by Department of Science and Technology (DST), Govt. of India with an overall budget of 34.58 lacks and was successfully executed.

National Events

- Several state level events like seminars, workshops are conducted for students and faculty in order to update their knowledge.
- The institute conducts a technical festival called **'BHASWARA'** every year, in which the students from all engineering colleges from the entire state participate to exhibit their talents in various technical skills.

- **Project Expo** – Technical projects (CSE & IT) are conducted every year. On this day the Students exhibit their creative Projects.
- **Tech Expo-** Simulation and execution of projects (ECE) are conducted.

Engineers' day celebrations

- The institute celebrates Engineers' Day every year on 15th September since its inception. On this day, the students exhibit their creative technical exhibits. These exhibits are evaluated by judges from other institutions. This event increases innovative capabilities of budding engineers.

Students' exposure to industries

- The students go on frequent visits to different industries related to their branch so that they can observe the processes taking place there. This provides greater awareness and clarity on the concepts and techniques they learn in the classrooms.

Project Work

- Students are encouraged to take up Industry related projects.

Placement

- A training and placement cell is established with necessary infrastructural facilities for providing training and placement assistance to students.

f. Innovative Faculty Development Initiatives

Sponsoring to higher education:

- Faculty with a minimum of two years service with satisfactory performance will be given preference and shall be sponsored for the higher programme in their required specialization.
- Incentive to faculty for paper presentation.

g. Innovative to be socially responsible

- NSS activities: All departments are undertaking activities like blood donation camps, visits to Orphanages, Medicine Distribution, Childrens Day Celebrations, Driving Rules Awareness Camp, Fire Demo, Meditation and Yoga Program, Clean and Green program, Man and Environment activity programme create awareness in people in respect of their role in developing hygienic environment. AIDS awareness camp and vaccination programmes are conducted.

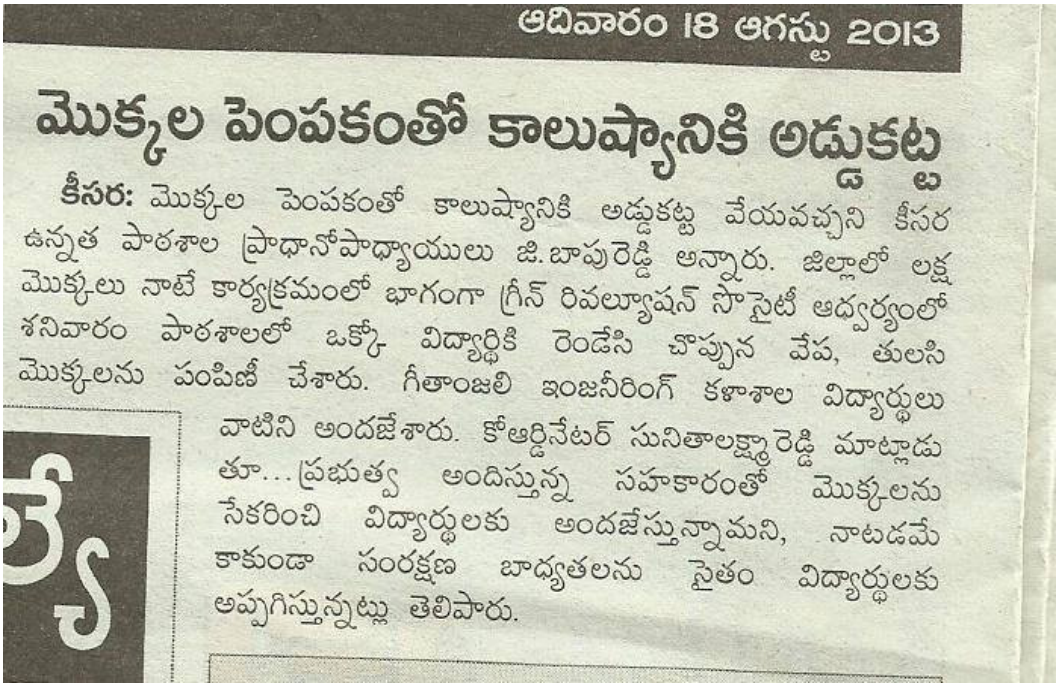
Photos:

ఇంజినీరింగ్ విద్యార్థులు రక్తదానం

రక్తదానం చేస్తున్న విద్యార్థులు

కీసర, సెప్టెంబర్ 21 (టీ మీడియా): విద్యార్థులు స్వచ్ఛందంగా ముందుకొచ్చి రక్తదానం చేయడం చాల అభినందనీయమని గీతాంజలి ఇంజినీరింగ్ కళాశాల సెక్రటరీ జి.రవీందర్‌రెడ్డి పేర్కొన్నారు. మండల పరిధిలోని గీతాంజలి ఇంజినీరింగ్ కళాశాలలో జూబ్లీహిల్స్‌కు చెందిన లయిన్స్ క్లబ్ ఆధ్వర్యంలో రక్తదాన శిబిరాన్ని నిర్వహించారు. ఈ శిబిరంలో గీతాంజలి ఇంజినీరింగ్‌కు చెందిన పలువురు విద్యార్థులు రక్తదానం చేశారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఉదయ్‌కుమార్, సోమశేఖర్, ఎన్ఎస్ఎస్ కో-ఆర్డినేటర్‌లు సుభద్ర, రఫీలతో పాటు పలువురు ఇంజినీరింగ్ విద్యార్థులు పాల్గొన్నారు.

Blood Donation Camp



ఆదివారం 18 ఆగస్టు 2013

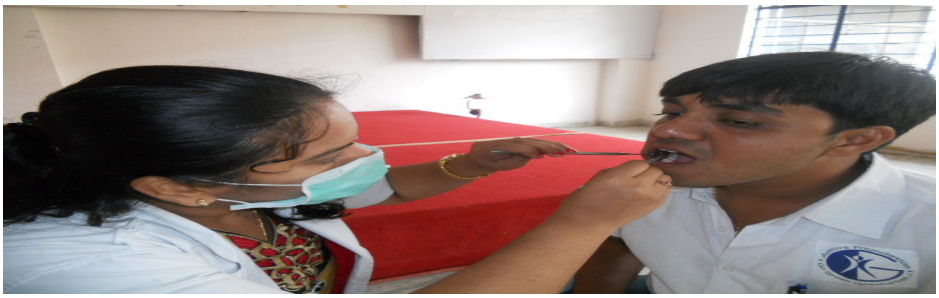
మొక్కల పెంపకంతో కాలుష్యానికి అడ్డుకట్ట

కీసర: మొక్కల పెంపకంతో కాలుష్యానికి అడ్డుకట్ట వేయవచ్చని కీసర ఉన్నత పాఠశాల ప్రధానోపాధ్యాయులు జి.బాపురెడ్డి అన్నారు. జిల్లాలో లక్ష మొక్కలు నాటే కార్యక్రమంలో భాగంగా గ్రీన్ రివల్యూషన్ సొసైటీ ఆధ్వర్యంలో శనివారం పాఠశాలలో ఒక్కో విద్యార్థికి రెండేసి చొప్పున వేప, తులసి మొక్కలను పంపిణీ చేశారు. గీతాంజలి ఇంజనీరింగ్ కళాశాల విద్యార్థులు వాటిని అందజేశారు. కోఆర్డినేటర్ సునితాలక్ష్మారెడ్డి మాట్లాడుతూ...ప్రభుత్వ అందిస్తున్న సహకారంతో మొక్కలను సేకరించి విద్యార్థులకు అందజేస్తున్నామని, నాటడమే కాకుండా సంరక్షణ బాధ్యతలను సైతం విద్యార్థులకు అప్పగిస్తున్నట్లు తెలిపారు.

Plantation drive in Govt schools in Keesara Mandal with the collaboration of Green Revolution

NSS Activity -DISTRIBUTION OF NOTE BOOKS AT GOVT. SCHOOL

Health camp for village people



Free Dental Camp

Tree Plantation Drive

Fight the lows of drug highs

On International Day Against Drug Abuse, experts believe youngsters should face the reality

KANIZA GARARI | DC
HYDERABAD, JUNE 26

Easy availability of these dream-spinners and burgeoning income have proved to be a deadly combination for the increasing incidence of drug abuse in the city.

On June 26, International Day Against Drug Abuse and Illicit Trafficking, experts observe that there is a strong need to make youngsters understand that this combination must be utilised for their benefit rather than the illusory so-called 'high' which tends to take them further away from reality.

The abuse of drugs in the city has increased tremendously as cannabis, marijuana or ganja is easily and cheaply available. It is grown illegally and supplied regularly, making it the most sought-after drug. Cannabis is taken in the measurements of "joints" and can be bought at ₹20 per joint, giving an instant high. But its intoxicating power also comes down easily, due to which its use is very frequent. Once the addicts get bored with these drugs they move on to other stronger drugs like cocaine and heroin.

Cocaine is very costly and is supplied only in known circles. The other drugs like heroin, LSD and new wonder drugs which have hit the market, are for the very few elite or professionals of the entertainment industry whose access to these intoxicants is easy.

The average age of initiation into drugs is between 14 to 16 years of age. The drug peddlers have established a proper business module. They move in zones where their business opportunities are high. Hence entertainment zones around the city have become a hub for drug-dealing and from there they move in the smaller group market where direct contact keeps them safe and also away from the police. Earlier hookah parlours in the city had become major hubs, but with police crackdowns and no permission for such parlours, the business has again shifted to its earlier mode.

The operation areas are on a route from Hi-tec city to Mangalhat, Public Gardens, resorts around Shameerpet, Sainkpuri where it is alleged that these businesses are freely carried out.

As drug abuse grows, it is becoming important for parents and family members to ensure that their young ones are protected from dangerous influences and given the required attention.

Drugs for people of all kinds

The drug market has different users: the elite who get the best drugs from all over and the middle and upper middle class who experiment with what is available in the local market. Then there are the homeless and poor who continue to use ink, adhesives, whiteners and injections. Once an addict runs out of resources to purchase drugs, he moves on to medical drugs like cough syrups, injections like fortwin, spasmoproxyvon, pain killers, slimming tablets, steroids and stimulants to give them the kick.

Youngsters take out a rally against drug abuse to mark the International Day Against Drug Abuse and Illicit trafficking. —DC

Other innovations that impacted the functioning of the college

- The institute forms various CELLS and COMMITTEES for implementation of curricular, co-curricular and extra-curricular activities.
- College Academic Committee (CAC) meetings headed by the Principal will be convened regularly to chalk out a blue print of issues to be discussed and steps for their implementation.
- College Magazine, Handbook, Yearbook, Semi Annual Newsletter, Brochure, Department magazine, etc. are brought out.
- Student exit feedback, feedback from faculty and staff on the institute, teacher's monthly report, proforma of appointment order, teacher's self appraisal report, performance appraisal of faculty, result analysis, proforma of intimation of retirement, self appraisal report of lab technicians, the semester wise feedback for teachers, is taken during the beginning and middle of the semester. This helps in improvising and upgrading the Teaching-Learning process on need based analysis.
- Course end survey is taken at the end of the semester and the reports are useful to faculty for improving subsequent offerings of the same or related courses.

Innovative Practices of Various Departments

- In addition to the above, various innovative practices have been adopted by all the departments which are explained in the evaluation reports.

7. 3 Best Practices:

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice I

1. Title of the Practice:

Outcome Based Education, Assessment and Continuous Improvement- Interpret, analyze and evaluate.

2. Goal: We at Geethanjali believe in the popular adage 'Nothing is permanent except change.' The outcome based education helps both the faculty and the learners to understand the desired behavior that is expected of by the end of the course. This practice provides right direction to carefully interpret, analyze and evaluate various situations and changes to me made wherever and whenever necessary. This kind of objective based and outcomes oriented teaching is definitely the need of the hour to provide stable and right direction to implement strategies that facilitate in motivating the students towards their continuous up gradation.

3. Context: With the changing economy and global trends the demand for engineering education is increasing day by day. This has also implications on the intake of the students. Students securing high ranks are also admitted in the course. Apart from that faculty also should be familiar and understand the importance of outcomes based education. Thus rigorous brainstorming sessions and Faculty Development Programs were planned to acquaint the faculty with the need to think on the lines of outcome based education, blended carefully with continuous assessment.

4. The Practice: Outcome based education can be considered as transitional and transmissional approach to the traditional teaching. This paradigm shift in education enables the faculty to closely monitor and mentor the students. It is a unique approach especially in higher education primarily for one reason that there is a close monitoring on the students and also on the implementation of curriculum. Apart from the above mentioned, teaching of human values and professional ethics, awareness among the students about their rich cultural heritage has brought about tremendous change in the mind set of the students.

The OBE approach, or for that matter any approach demands the following three things from both faculty and students.

Faculty should focus on ensuring *learning* rather than teaching

Students cannot learn if they do not *think*

Faculty has a major responsibility to help students *learn how to learn.*

These three things are interdependent. Students should be self responsible and should get continued support from the teacher. This becomes contingent upon the students'

acceptance of this responsibility. While concentrating on outcome based education, the faculty should be careful to see that their spontaneity is not withered and initiative is not stifled. Learning outcomes and competence descriptors are difficult and time consuming. Since course and curriculum development is an ongoing cycle or process, all objectives and learning outcomes need to be re-appraised continuously at regular intervals.

5. Evidence of Success: The success of any institution is closely and directly connected with the success of the students. The steadily increasing pass percentage is the primary indicator. Secondly, many students are being placed in reputed companies. Majority of the students are also pursuing higher education both in the country and abroad. Evidence of the students who have been self-employed is also a positive indicator. The growing research culture among the students has resulted in two in-house projects by students. These projects have secured recognition from CSI.

6. Problems Encountered and Resources Required.

Less motivation among middle cadre faculty decreases the chances for developing research culture in the institution. Moreover, the government fixes the fee structure for the professional colleges and as a result there is no liberty to fix the tuition fee. There is very little academic freedom. Hence, there is very little scope to implement the changes in curriculum to reduce the gap between academia and industry. Inadequate human resources is also a major problem. This is mainly due to mushrooming growth of engineering colleges. Owing to this quality and qualified faculty are scattered across institutions.

The college firmly believes in providing Outcome Based Education (OBE) clearly focusing and organizing everything in an educational system around "what is essential for all students to be able to do successfully at the end of their learning experiences".

All our programs start with a clear picture of what is important for students to be able to do, then organize the curriculum, instruction, and assessment to make sure this learning ultimately happens. Such an approach presupposes that we can determine what things are “essential for all students to be able to do”, and that it is possible to achieve these things through an appropriate organisation of the education system and through appropriate classroom practices.

It is our conviction that:

- All students have talent and it is the job of colleges to develop it.
- The role of colleges is to find ways for students to succeed, rather than finding ways for students to fail.
- Mutual trust drives outcomes based education.
- Excellence is for every student and not just a few.
- By preparing students every day for success the next day, the need for correctives will be reduced.
- Students should collaborate in learning rather than compete.

- As far as possible, no student should be excluded from any activity in the college.
- A positive attitude is essential. (If we believe that we can get every student to learn well then they will).

We have been striving hard to ensure faculty appreciate the aspect that whatever approach to teaching one may use, it is important to keep the following points in mind:

- ✓ Faculty main focus should be on ensuring LEARNING rather than teaching.
- ✓ Students cannot learn if they do not THINK.
- ✓ Thinking is facilitated and encouraged by the PROCESSES that faculty use to engage students with the content, as well as by the CONTENT itself.
- ✓ The subject/course the faculty teach does not exist in isolation: Faculty have to help students make LINKS to other subjects.
- ✓ Faculty have a responsibility to help students LEARN HOW TO LEARN.

For successful learning to take place, students are encouraged to take some responsibility for their own learning, and continued support from the teacher becomes contingent upon the students' acceptance of this responsibility.

Our outcomes based programs includes the following:

1. A clear set of outcomes that all students will achieve (if you like, a minimum set of outcomes). Teachers select, from all the possible outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are written in a way that the students can understand. We provide examples to students of what they will be able to do when they have achieved those outcomes.
2. A clear set of suitably categorized outcomes for all students. Few additional extension outcomes provide some students with a much more deeper understanding of the issues being studied.
3. A detailed specification of the prerequisites that students must master before attempting to achieve each new outcome.
4. Plans for several different teaching strategies that can be used to help students achieve the desired learning outcomes.
5. A variety of tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the learning outcomes achieved.
6. Resources and teaching techniques to assist students who do not master the required outcomes as quickly as other students.

Because of its focus on student success, our outcomes based approach education places much more importance on individual learning than many other approaches to education.

One of the key questions in our outcomes based program is "What are reasonable and attainable outcomes for *each* student?" Once that question has been answered, teachers consider how they keep records of individual students' progress towards these outcomes. Record keeping becomes much more important than it might be in situations where testing is a necessary evil rather than an integral part of student learning. We involve students in this record keeping so that they are reminded continually of the goals towards which they are working, and of the need for them to accept some of the responsibility for achieving those goals.

To guarantee the outcome of the course, the teaching of each topic in the course contents are designed to meet aforementioned criteria (a-m) and evaluated by a set of assessment tools. Notice the keywords as follows: "*define, repeat, remember, describe, explain, discuss, illustrate, interpret, analysis, design, derive, apply, compare, solve, calculate, perform, produce, justify, and evaluate.*"

These keywords determine the time and effort that the instructor has to spend on each topic. It also indicates the level of complexity for the learning process. The student's learning outcome is evaluated according to the keywords using the assessment tools. These outcome based course assessment and evaluation tools are a combination of the following:

1. Homework assignments,
2. Quizzes,
3. Exams,
4. Class Attendance,
5. Design Project and laboratory written reports,
6. Design Project, its Written Report and Oral Presentation,
7. Computer Simulation using C, C++, MATLAB, LABVIEW, ANSYS, etc
8. Prototype development, if any,
9. Laboratory Testing / Project teamwork,
10. Course assessment (by students),
11. Instructor's teaching performance evaluation (by students).

Program Outcomes (POs):

a. An ability to apply knowledge of Mathematics, Science, and Engineering to solve complex engineering problems of Electronics and Communication Engineering systems.

b. An ability to model, simulate and design Electronics and Communication Engineering systems, conduct experiments, as well as analyze and interpret data and prepare a report with conclusions.

c. An ability to design an Electronics and Communication Engineering system, component, or process to meet desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.

d. An ability to function on multidisciplinary teams involving interpersonal skills.

e. An ability to identify, formulate and solve engineering problems of multidisciplinary nature.

f. An understanding of professional and ethical responsibilities involved in the practice of Electronics and Communication Engineering profession.

g. An ability to communicate effectively with a range of audience on complex engineering problems of multidisciplinary nature both in oral and written form.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning and acquire the capability for the same.

j. A knowledge of contemporary issues involved in the practice of Electronics and Communication Engineering profession

k. An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

l. An ability to use modern Electronic Design Automation (EDA) tools, software and electronic equipment to analyze, synthesize and evaluate Electronics and Communication Engineering systems for multidisciplinary tasks.

m. Apply engineering and project management principles to one's own work and also to manage projects of multidisciplinary nature.

To guarantee the outcome of the course, the teaching of each topic in the course contents is designed to meet the aforementioned criteria (a-m) and evaluated by a set of assessment tools selected from the above (11) tools. Table below shows the mapping of the sample "**Switching Theory and Logic Design** " course topics to criteria (a-m) and its corresponding assessment tools.

Course Topics	**Mapping to Criteria (a – m) of Program Outcomes**												
	a	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**i**	**j**	**k**	**l**	**m**
a. Explain different Number Systems, Codes and their Conversions. b. Explain Error Detecting & Error Correcting Codes c. Solve typical problems on the above.	√	√	√	√	√				√	√	√	√	√
Represent the given Boolean / Switching functions in various forms, prove Boolean Theorems, and	√	√	√	√	√				√	√	√	√	√

minimize Boolean functions using these Theorems. Realize Switching functions using basic logic gates/universal gates.													
a. Minimize the given Switching functions in SoP and PoS forms using K-Map. b. Given a switching a function, generate the set of Prime Implicants using Tabular Method and minimize the function.	√	√	√	√	√				√	√	√	√	√
Design the different types of combinational logic circuits.	√	√	√	√	√				√	√	√	√	√
Design combinational logic circuits using different types of PLDs, namely, PROM, PLA and PAL.	√	√	√	√	√				√	√	√	√	√
Design different types of synchronous sequential logic circuits.	√	√	√	√	√				√	√	√	√	√
Design fundamental mode and pulse mode asynchronous sequential machines.	√	√	√	√	√				√	√	√	√	√
Design digital systems using ASM Charts.	√	√			√		√		√	√	√	√	√

Over the past three years, students' design project performance has been evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include

a. Were the objectives and purpose clearly stated?
b. Was the problem well defined?
c. Was the project properly justified (Why?) (Scientific, economic, value?)
d. Was the design, analysis and modelling understood?
e. The approach taken was reached as part of a selection process?
f. Are the results technically and economically feasible?
g. Effective conclusions / recommendations?
h. Quality of the work or design.
    i. Was the content was well organized?

ii. Were there Appropriate use of graphs, charts, board, audio-video.
iii. Was the message clearly delivered?
iv. Was Teamwork evident in the presentation?

- Faculty start by assessing the students' prerequisite knowledge and skills; if students do not understand essential prior knowledge or if they do not have the skills on which one wants to build; faculty provide instruction on the prerequisites.
- Next, faculty prepare the students by explaining the outcomes that they are to be achieved (what they will be able to do when they have completed the unit satisfactorily). To be meaningful, each outcome is placed within an appropriate context and it should be related to one or more of the Key Competencies.
- The faculty provides whatever forms of whole class instruction or individual/group work they consider will have the best chance of enabling all the students to achieve mastery of the unit.
- Next, faculty organises guided practice for the students so that they can be evaluated informally and provided with feedback to enhance their learning. The emphasis here is on *successful* guided practice through careful selection of examples and problems.
- When most students seem to be ready to demonstrate mastery, assess their learning, or have the students assess their own learning through an appropriate form of self-assessment or peer assessment. This assessment should take into account the context in which outcomes should be demonstrated.
- Students who have achieved mastery work on enrichment activities while those who have not achieved mastery receive additional instruction and practice.
- All students then take a summative test. Those who do not demonstrate mastery on this test receive an "incomplete" grade that they are required to convert to a mastery level through additional effort.

To be useful in an OBE system, assessment should conform to the following principles:
Our assessment procedures have been found to be

1. Valid and useful - they facilitated faculty to assess what they intend the assessment procedures to assess.
2. Reliable - they gave consistent results.
3. Fair and just - they were not influenced by any irrelevant factors such as the learner's cultural background.
4. Able to reflect the knowledge and skills that are most important for students to learn.

5. Able to tell teachers and individual students something that they do not already know. That is, they have stretched students to the limits of their understanding and ability to apply their knowledge.
6. Both comprehensive and explicit.
7. Able to support every student's opportunity to learn things that are important; and,
8. Able to allow individuality to be demonstrated because learners are individuals.

Our observation has been that

- ✓ Outcomes based program made teaching purposeful and systematic, rather than haphazard, while still allowing students to discover, to follow their interests, to take responsibility for their own learning, and to develop both academically, personally and professionally.
- ✓ It enabled our teachers to provide students with *appropriate* and *purposeful* learning experiences and opportunities so that they can develop originality, self-motivation and independence at the same time as they acquire useful knowledge and skills.

Best Practices II

1. Title of the Practice:

Centre for Academic and Career Guidance-Apply, compare, perform and produce.

2. Goal: The main goal of the center is to make the students discover their inner potential and strive to attain success in their chosen filed. The center helps the students in identifying their talents, interests and values in making right career choices. It lends its full support to students in academic planning and exploring future professional and placement opportunities available as per the changing global economy.

3. The Context : The college has decided to implement this center keeping in mind the changing market situation, volatile industry growth and demands, and availability of more number of opportunities to students but lack of proper understanding about the opportunities among the student community. With this humble thought the college has formed a center with the head of the institution as the chairman**.** In the process of functioning of the center it is observed that it is practically difficult in developing a common competence framework. The center demands a diverse workforce operating through both developed and assorted networks at all levels. The career guidance has to be widely available to a large group of students. Sometimes it is little difficult to accomplish the needs of the students at an optimum level.

4.The Practice

The center actually starts working making the students remember Socrates and his valid statement 'Know thyself'. The students are made to understand about themselves thoroughly. To achieve this, few questions that test their skills, aptitude, interests and goals are prepared and they are expected to answer the same after a thorough introspection. This can be considered as the first stage of the practice. With the attained

clarity by answering the questions, the students are ready to brainstorm on various career options available. This is the second stage, which can be called as planning stage. Finally an interactive session is conducted with the students based on their goals and their strengths. This kind of planning to make the students realize their potential and inner talent is definitely a unique practice to be implemented in higher education. The practice emphasizes and believes that 21st century illiterate is not a person who do not know how to read or write, but a person who cannot *learn, unlearn and relearn*. The center strives to bring in all the three phases among the students.

5. Evidence of Success: It has been observed that more number of students are showing interest in pursuing higher studies in less known careers as well. The Alumni survey report clearly talks about the volunteering nature of the students of Geethanjali. The Alumni is ready to talk to their juniors on various career choices available. This is made possible with the efforts of the active center in the college.

6. Problems encountered and Resources Required:

Major constraints or rather challenges in developing the center is less motivation and interest in this direction among the middle cadre or young faculty joining teaching profession. The students find it difficult to prioritize their challenges, even after the guidance, because of family or societal constraints. Limited number of faculty with an orientation towards career guidance, and less number of trained in-house faculty. As a result, guest lectures on the importance of ethical behavior and proper code of conduct is provided to students at regular intervals by experts. This has turned to be a costly affair to colleges, especially to self-financed colleges. To be an active member of the center, people involved should constantly update themselves in all walks of life. Though the questions framed to understand their inner potential apparently look simple, yet it is difficult for them to answer. This first stage demands a lot of attention by the senior and experienced faculty involved in the centre. The first stage requires a lot of clarity and positive thought process and passion to perform even among the faculty involved.

7. Notes (Optional)

As a part of the Career Guidance Center, the college has established a nodal center in collaboration with R.K.Mutt, Domalguda, Hyderabad, with an aim to inculcate self-confidence and make them realize the need for self monitoring. The basic premise of the center is to ‘educate, build and reform’.

It is the conviction of the college that students who have been closely monitored and mentored have always performed far better than others who were not monitored didn't undergo mentoring. With this strong belief in mind, the college has established a "Center for Academic and Career Guidance (CACG)", with the Principal as its Chairman, that facilitates academic and career excellence of every student and to help discover his/her full potential and strive to attain success in his/her chosen field.

Activities of the Center are as follows:

Academic Guidance

Academic Guidance is provided to the students with the following objectives:

1. It is our endeavour to further extend the existing standards of discipline, attendance, and academic performance among students through continuous monitoring.
2. We strive to consistently and progressively effect improvement of each student in his/her overall academic performance by identifying students falling below desired standards and initiate remedial measures.

We fervently believe that monitoring student learning is an essential component of high-quality education. Therefore, the centre:

- ✓ Provides professional and confidential assistance in a supportive atmosphere.
- ✓ Offers advice on an individual basis on academics and allied issues.
- ✓ Provides counselling to students who experience academic setback, falling short of attendance and violating/deviating from general norms of code of conduct of the college.

The Centre aims at

- Reviewing student performance in the classroom through observation by the faculty who in turn inform the mentor, analysing the performance of the student in the tests, examinations, tutorial sessions, etc. The mentor would then suggest student to make required adjustments in his study habits and if need he arranges remedial instruction.
- Providing quality, professionally delivered counselling services to students through external professional mentors/counsellors.
- Helps resolve academic difficulties of students by conducting periodic reviews and identifying gaps in their understanding and knowledge and provides a range of supportive activities and services aimed at enhancing the learning experience of the students.

Activities

The activities of counselling centre can be broadly classified into two heads.

1. Academic 2. Attendance & Discipline

Academic

1. An information gathered questionnaire is given to all students and information is collected and analysed. Subsequently academic counselling is conducted, which is

done at least twice in a semester, once at least five to six weeks before the first mid-exam with a follow up before the exam and the second at least five to six weeks before the second mid-exams with another follow up.

2. Students whose performance is found poor are identified and counselled to know the reasons for their poor performance and are advised appropriately. Remedial classes are arranged to help such students to improve their performance. These students are monitored closely and when required are counselled more frequently until they improve their performance.
3. Academic performance of students exposed to remedial classes is reviewed and necessary action is taken accordingly.
4. Performance of students who are unable to earn required credits/performance has to be intimated to their parents time to time.

Attendance

Centre ensures that:

1. Attendance is of the Day of the student is sent as SMS to his/her parents in the evening. Further, parents are given user ID and password to login to our attendance portal and can check his/her ward's attendance
2. Attendance of students is compiled once in a fortnight, their signature is obtained on same against their name and displayed on the notice board.
3. The students falling short of required attendance are informed about the same after such compilation and students are to be informed about how attendance is related to do well in performance in all assessments namely, tests, tutorials, assignments, exams and also in their career subsequently.
4. An undertaking is taken from students falling short of attendance.
5. Parents of such students are to be intimated as and when required and when they visit the campus to meet the mentor their ward, their signature is also obtained.

Career Guidance

a. Offers career guidance programs and provides assistance and resources to support students in making real life connections to academic learning.
b. Enable students to gain the skills, ability and confidence to transit successfully to further studies/work/self-employment or any other activity in which he/she lands deliberately or unwittingly.
c. Equip students with tools needed to answer the “Life Long Learning” questions.
    - Who Am I?

- What Am I Doing?
- Why Am I Here?
- Where Am I Going?
- How do I Get There?

d. Encourage students to open their mind to the numerous opportunities awaiting them.

e. Facilitates students to explore their interest and talents and to take a realistic look into the world that awaits them.

f. Provide services which expose students to infinite possibilities available in their future; to equip them with the tools they need to plan for future endeavors and to provide continued support and encouragement that they need to be successful in professional career as well as in personal life.

g. Enable students to evaluate various career options and embark on their career path to meet their interests by showing them how to assess their interests and talents.

h. Help find answers to the following questions which pester students:
   - ✓ What am I going to do when I leave college?
   - ✓ Do I meet the entrance requirements of places of higher education?
   - ✓ Can I afford to study further?
   - ✓ Will I find a job in my chosen field and place?
   - ✓ Should I take a gap/break after college?
   - ✓ Are some places better to study than others?
   - ✓ Is my degree internationally recognized?
   - ✓ Will my job earn me the money to live the lifestyle I desire?

The college is highly confident that finding answers to these questions is easy if one has a good understanding of himself/herself and his/her choice of careers. It is possible to find a career path for each individual which draws on their strengths and builds on areas requiring improvement.

After facilitating students find answers to the above questions, the center

a. Assists students realize their career priorities and goals;
   i. provides students with skills needed to help manage their career throughout their professional life;
   ii. helps students assess their aspirations and capabilities;
   iii. advices and assists them about study opportunities, fellowships and academic programs in the country and abroad, career choice and decision-making etc.

b. Helps the student, on an individual basis, formulate his/her own career plans as well as determine the nature of assistance needed from the office.
c. Provides various services like:
    - Identifying strengths of students and guiding/counseling appropriately.
    - Appraisal
    - Follow-up
    - Referral (Self; faculty recommendation or formal faculty referral)
    - Relevant information

Discipline

1. Act of indiscipline includes non-compliance of dress code, improper behaviour in class and premises, teasing, smoking, consuming alcohol, malpractice in examinations, absconding from class etc.
2. Centre on the advice of CAC may constitute inter departmental disciplinary committee which would monitor continuously to maintain discipline in the college premises.
3. Any act of indiscipline found by the disciplinary committee which comprises faculty of various departments is brought to the notice of the centre immediately, which forwards it to the Principal, who in turn takes necessary action.

Operationalization of the activities

1. The centre takes steps to educate students to impress upon them the importance of maintaining discipline while in college and outside college so that they will actively and willingly co-operate with the college authorities in maintaining highest standards of discipline.
2. Heads of various departments are advised to nominate a few of their faculty members to liaise with the centre on behalf of their department with regard to activities prescribed.
3. The centre conducts periodical meetings with liaison officers to monitor smooth and effective functioning of the centre.
4. The centre designs required formats and circulate them to all HoDs to be submitted periodically with required data for a free flow of information from each department to the centre which can be consolidated to put up to the Principal.
5. The mentoring system of the college has been working exceptionally well.

<<<>>>

Part – III

Department Evaluation

Evaluation Report

of

CSE Department

Evaluation Report of the Computer Science and Engineering (CSE) Department

1. Name of the department: Computer Science and Engineering

2. Year of Establishment: 2005

3. Names of Programmes / Courses offered:

UG: B. Tech : Computer Science and Engineering

PG: M. Tech: a. Computer Science and Engineering

b. Computer Science

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system (programme wise):

UG &PG: Semester Based (other than the 1st year B.Tech program)

6. Participation of the department in the courses offered by other departments:

Faculty will provide their services to other departments to satisfy the academic requirements of department specific subjects.

S. No	Program	Course offered to other departments
1	B.Tech: ECE/ EEE/ MECH/ CIVIL	1. Computer Programming 2. Database Management Systems 3. Operating Systems 4. Computer Networks 5. Object Oriented Programming 6. Computer Organization & Operating Systems 7. IT Workshop

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	7	7
Associate Professors	14	14
Assistant Professors	40	40
Total	**61**	**61**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,):

Sl. No.	Name of the Staff Member	Cat.	Designation	Qualification			Experience		
				UG	PG	Ph.D	T	I	R
1	Dr. S. Udaya Kumar	UG	Principal & Professor	BE (ECE)	ME, M.Tech. (CSE)	Ph.D (Cryptography)	29	-	-
2	Dr. D. Sree Rama Chandra Murthy	UG	Professor & HOD	BE (ECE)	M.Tech. (CSE)	Ph.D (Cryptography)	29	-	10
3	Dr. D.Ratnadeepthi	PG-CSE	Professor	AMIE	M.Tech (SE)	Ph.D (Machine learning)	7	7 months	4.3
4	Dr. G. Venkata Sudarshan Acharyulu	UG	Professor	M.Tech. (CST)	B.Sc	Ph.D (CSE)	40	-	1
5	Dr. S. Nagender Kumar	UG	Professor	B.Tech. (CSE)	ME (CSE)	Ph.D (Wireless sensor network)	12	-	3
6	S.Tirupati Rao	PG-CS	Professor	BE	M.Tech	-	13	1.6	-
7	N.Chandrakanth	UG	Professor	B.E (ME)	M.S (CS)	-	1	17	-
8	P. Dileep	PG-CSE	Assoc Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	11	-	-
9	M. Ashwini	UG	Assoc.Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	11	-	-
10	M Raja Krishna Kumar	UG	Assoc. Prof.	AMIETE	M.Tech (IP)	-	5.6	-	-
11	VNLN Murthy	UG	Assoc.Prof	B.Sc	MCA, M.Tech. (CSE)	-	15	-	-
12	B.Srinivas	UG	Assoc. Prof.	B.E. (CSE)	M.Tech. (SE)	-	4	4	-
13	V.Shivanarayana Reddy	PG-CSE	Assoc.Prof.	B.Tech (CS&IT)	M.Tech (CS)	-	7.5		-
14	A. Sri Lakshmi	UG	Assoc. Prof.	B.Tech. (CSE)	M.Tech. (CSE)		13	-	-
15	C. Esther Varma	UG	Assoc. Prof.	B.Tech. (IT)	M.Tech. (SE)	-	8	-	-
16	G. Lokeshwari	UG	Assoc. Prof.	B.E (CS)	M.Tech. (CS), MBA	-	13	2	-
17	M.Srinivas	UG	Assoc. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	10	-	-
18	D.Venkateswarlu	UG	Assoc.Prof.	B.Tech. (CSE)	M.Tech. (CS)	-	13	-	-
19	N. Swapna	UG	Assoc. Prof	BE (ISE)	M.Tech (Web Tech.)	-	12	-	-
20	Deepa Panse Ashok	UG	Assoc.Prof.	B.E. (CSE)	M.Tech (SE)	-	13	-	-
21	A. Lalitha	PG-SE	Assoc. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	6.8	-	-
22	K.Vijaya Bhaskar	UG	Asst Prof	B.Tech. (CSE)	M.Tech. (SE)	-	8	-	-

23	S.Ramanjaneyulu	UG	Asst.Prof.	B.Tech. (IT)	M.Tech. (SE)	-	6	-	
24	M.Chaitanya Kishore Reddy	UG	Asst.Prof.	B.Sc	MCA, M.Tech. (CSE)	-	5	2	-
25	Ch. V. Anupama	UG	Asst.Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	4	-	-
26	Prasada. Preethi	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (Comp. Eng.)	-	5	1.7	-
27	M.Bhavana	UG	Asst.Prof.	B.Tech (CSE)	M.Tech (CS)	-	2.5	-	-
28	P. Haritha	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	6	1	
29	Madhuri Agarwal Gupta	UG	Asst. Prof.	B.E (CSE)	M.Tech. (CS)	-	6	-	-
30	N. Radhika Amareswari	UG	Asst.Prof.	B.E. (IT)	M.Tech. (IP)	-	4	-	-
31	G. Lavanya	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-
32	T. Soumya	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (SE)		F	-	-
33	G. Janardhan	PG-SE	Asst. Prof.	B.Tech. (CSIT)	M.Tech. (SE)	-	F	-	-
34	K. Mounika	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	8m	-	-
35	M. Vamsi Krishna	PG-CS	Asst. Prof.	B.Tech. (CSE)	M.Tech. (IT)	-	1	-	-
36	P. Gowtamee Radha	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	6m	-	-
37	Y.V. N. Phani Kishore	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech .(CNIS)	-	F	-	-
38	E. Balakrishnarjuna Rao	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (CNIS)	-	F	-	-
39	B. Ganga	UG	Asst. Prof	B.Tech. (CSE)	M.Tech. (CNIS)	-	F	-	-
40	G.Swapna	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	3	-	-
41	A.Bixapathi	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (SE)	-	1	-	-
42	G. Chandraiah	PG-CS	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	F	-	-
43	M.Sunil Kumar	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	1	-	-
44	Ch. Bhagyasri	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CNIS)	-	F	-	-
45	K. Srinivas	UG	Asst. Porf.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-
46	M. Vijay Bhasker Reddy	UG	Asst. Prof.	B.Tech. (CSIT)	M.Tech. (CSE)	-	8	-	-
47	Ch. Vikas	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	4	-	-
48	S. Srija	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-

49	A. Yadagiri	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-
50	B. Manindar	PG-SE	Asst. Prof.	B.Tech. (CSE)	M.Tech. (SE)	-	2.7		
51	Ch Pavani	PG-CSE	Asst. Prof.	B.Tech. (IT)	M.Tech. (CS)	-	1		
52	MD. Azhar	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. CSE)	-	3.6	-	-
53	G Prasoona	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F		
54	H. Swaraj Bharath	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F		
55	M.Vishwashanthi	UG	Asst.Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F		
56	S. Sandeep Babu	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (IT)	-	1	-	-
57	D. Saidamma	UG	Asst.Prof.	B.Tech. (CSE)	M.Tech. (SE)	-	2		
58	P. Deep Lakshmi	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-
59	A Nagaraj Sandeep	UG	Asst. Prof.	B.Tech. (CSE)	M.Tech. (SE)	-	F	-	-
60	M. Chitti Babu	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)		1	-	-
61	Ch. Divya	UG	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	F		

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student –Teacher Ratio (programme wise)

UG – 1: 12.94

PG – 1: 11.4

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

Type of staff	Sanctioned	Filled
Support staff (technical)	6	6
Administrative staff	4	4

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil/ PG:

Qualification	No. of faculty
Dsc/D.litt	-
Ph.D	5
M Phil	-
PG (ME / M.Tech)	56
B.Tech	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

S.No	Funding Agency	Title	Amount (Rs)	Status
1	AQIS	EDC Cell	4,50,000	Sanctioned
2	AQIS	National Seminar on "Business Intelligence & Applications"	1,80,000	Processing
3	AQIS	SDP on "Recent Trends, challenges and Intelligence Applied in DWDM"	8,71,500	Processing
4	AQIS	Research Proposal Scheme on "cloud computing, information Retrieval and data Engineering"	18,32,775	Processing

18. Research Centre / facility recognized by the University:

- Recognized as R&D Center by DSIR (SIRO), Govt. of. India.

19. Publications (last four years):

2014-15					
S.No	**Name of the Faculty**	**Title of the Research Publication**	**International Journal/ National journal**	**Name of the Journal**	**Date of Publication / Presentation**
1.	A.Lalitha Venkatesan	An Empirical Assessment on Cost Effectiveness and Reusability of Test Cases using Defect Severity Levels in Regression Testing	International Journal	International Journal on Scientific and Engineering Research(IJSER) Vol -5	May 2015
2.	Dr.D.S.R Murthy	Enhanced Representation of Data Flow Anomaly Detection For Teaching Evaluation	International Journal	International Journal of Research in Computer & Communication Technology (IJRCCT) Vol-4, Issue # 4	April 2015
3.	Madhuri Agrawal Gupta	Evaluating Improved Performance Mobile Ad-hoc Networks	International Journal	International Journal of Innovative Research in Engineering and Multidisciplinary Physical Sciences(IJIRMPS) Vol-3 Issue-2, ISSN:2349-7300	April 2015
4.	N.Radhika Amareshwari	An Upper Confidence Bounds for Self Adaptation of Playing Strategies in General Game Playing	International Journal	International Journal of Research in Advent Technology	20th March 2015

				(IJRAT)	
5.	S.Ramanjaneyulu	An Upper Confidence Bounds for Self Adaptation of Playing Strategies in General Game Playing	International Journal	International Journal of Research in Advent Technology (IJRAT)	20th March 2015
6.	A.Sree Lakshmi	Scheduling of Parallel Applications Using Map Reduce On Cloud : A Literature Survey	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	Jan 2015
7.	N.Swapna	Best Least Square Solutions of Boundary Value Problems Associated with a System of First Order Matrix Differential Equation	International Journal	Electronic modeling	2015
8.	Dr. Nagender Kumar Suryadevara	Internet Of Things &Smart Home Monitoring: An Impending Perspective	International Conference	International Conference on Advances in Computer Engineering ACE 2014	27th Dec 2014
9.	Dr.GVS Acharyulu	Four Stage Encryption Generalizations: Partitioned Output Cryptosystem	International Journal	International Journal of Computer and Applications (0975-8887)	Dec 2014
10.	Prof S.Tirupathi Rao	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
11.	P.Dileep	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
12.	P.Preeti Prasada	Authentication To M-Banking Users	International Journal	International Journal of Engineering Research and Technology	2014
13.	.M.Raja Krishna Kumar	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
14.	Mounika Komirelli	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
15.	Dr.D.S.R Murthy	A comparative Study of Least Square method and the modified Least Square method for Linear	International Journal	International Journal of Advanced Computing	Oct 2014

		Regression			
16.	Dr.D.S.R Murthy	A Modified Least Square method for Linear Regression	International Journal	International Journal of Advanced Computing	Sept 2014
17.	Prof S.Tirupathi Rao	Forwarding Web service Request to a Single Service Instance in Service Oriented Networking	International Journal	International Journal of Computer Trends And Technology (IJCTT) ISSN:2231-2803	Sep 2014
18.	S.Ramanjaneyulu	Big Data: Mining the Web Data and Its Causes on retail Marketing	International Journal	International Journal of Research in Advent Technology (IJRAT)(E-ISSN:2321-9657)	Sept 2014
19.	K.Vijay Bhaskar	Big Data: Mining the Web Data and Its Causes on retail Marketing	International Journal	International Journal of Research in Advent Technology (IJRAT)(E-ISSN:2321-9657)	Sept 2014
20.	Esther Varma	Estimation of Secluded data in Cloud Computing	International Journal	International Journals of Reviews on Recent Electronics and Computer Science (IJRRECS)	Aug 2014
21.	V.Bhavana Eswar	Estimation of Secluded data in Cloud Computing	International Journal	International Journals of Reviews on Recent Electronics and Computer Science (IJRRECS)	Aug 2014
22.	Dr.S.Udaya Kumar	An efficient image encryption using Merkle-Hellman, Elgamaland genetic algorithm for color images	International Conference	International conference on control and Information Technology	Aug 2014
23.	G.Lokeshwari	An efficient image encryption using Merkle-Hellman, Elgamaland genetic algorithm for color images	International Conference	International conference on control and Information Technology	Aug 2014
24.	Dr. Nagender Kumar Suryadevara	An Intelligent System for Continuous Monitoring of Wellness of Inhabitant of Sustainable Future	IEEE Paper	IEEE Region 10 Humanitarian Technology Conference2014	Aug 2014
25.	B.Srinivas	A new approach for estimation of required data from uncertain data by using EM algorithm	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014

26.	CH.V.Anupama	Proficient Search Algorithm for P2P networks	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
27.	Deepa Panse	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014
28.	P.Haritha	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014
29.	M.Ashwini	Literature survey on elliptical cryptography for wireless security	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
30.	V.Siva Narayana Reddy	Personalized knowledge-driven search system	International Conference	2nd International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
31.	B.Srinivas	Study of MRSP-A comparison study of Diversity, Relevance, Importance in Ranking	International Journal	International Journal of Engineering Research & Technology ISSN:2278-0181)	July 2014
32.	Dr. Dasika Ratna Deepthi	A Novel Authentication System Using Human Behaviour against Objects	International Journal	International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X	June 2014

2013-14					
S. No.	**Name of the Faculty**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Digital object Identifier(DOI)**	**Year of Publishing/ Registered**
1.	K.Vijaya Bhaskar	Detecting SQL Injection and Cross-Site Scripting Attacks in Web Applications	International Journal	IJCSEE-ISSN:0975-5664,Vol-4,Issue-1	March,2014
2.	S.Ramanjaneyulu	Detecting SQL Injection and Cross-Site Scripting Attacks in Web Applications	International Journal	IJCSEE-ISSN:0975-5664,Vol-4,Issue-1	March,2014
3.	Dr. D. Ratna Deepthi Professor & Head	Competitive advantage through business intelligence for E-commerce	International journal of computer & organization trends-vol-3, Issue-11	ISSN-2249-2593	Dec-2013
4.	A.Sree Lakshmi Assoc. Prof.	Parallel Computing on cloud for massively intensive applications using mapreduce	International journal of scientific & engineering research, Vol-4,Issue-11	ISSN-2229-5518	Nov-2013
5.	P.Ushashree Asst.Prof.	Video Compression Based on RMB	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
6.	Preeti Prasada Asst.Prof.	Video Compression Based on RMB	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
7.	D.Praneeth Asst.Prof.	Effective Algo for the Frequent ItemSet in DataMining	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
8.	Madhuri Agarwal Gupta	Effective Algo for the Frequent ItemSet in DataMining	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
9.	A.Bixapathi Asst.Prof.	Advanced Information System Approach to Design of Emergency Response on Natural Disaster	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
10.	T.Vani Programmer	Advanced Trust Based Approach For Increasing Security in Cloud Computing	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
11.	V.Koteswari Programmer	Advanced Information System Approach to Design of Emergency Response on Natural Disaster	International Journal	IJECCE-ISSN:2249-071X,Vol-4,Issue-6	2013
12.	M.Raja Krishna Kumar M.Tech,(Ph.D.) Assoc.Prof.	Innovative Context Free Approach for Image Retrieval	International Journal	IJCSIT-ISSN:0975-9646,Vol 3(6)	2013

2012-13					
S. No.	**Name of the Faculty**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Digital object Identifier(DOI)**	**Year of Publishing/ Registered**
1.	Dr.S.UDAYA KUMAR PROFESSOR & PRINCIPAL	"A Novel Approach For Data Encryption Using EEG, SPIHT and Genetic Algorithm For Secured Applications", International Journal of Power Control Signal and Computation (IJPCSC), Vol. 5. No.1. pp.23-27, Jan-March 2013.	International Journal	International Journal of Power Control Signal and Computation (IJPCSC),	Jan-March 2013
2.	M.Raja Krishna Kumar M.Tech,(Ph.D.) Assoc.Prof.	Enhanced Approach to Steganography Using Bitplanes	International Journal	IJCSIT-ISSN:0975-9646,Vol 3(6)	2012
3.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Biometric Security Systems and Contemporary Affirmation of State of Art	International Journal	IJSER ISSN:2229-5518,Vol 4,Issue 3	2013
4.	P.Srinivas M.Tech,(Ph.D.)	Biometric Security Systems and Contemporary Affirmation of State of Art	International Journal	IJSER ISSN:2229-5518,Vol 4,Issue 3	2013
5.	P.Srinivas M.Tech,(Ph.D.)	Extraction of Dynamic Region of Interest(ROI)for Plamprint using Templates Databases	International Journal	IJES ISSN:2319-1813 ISBN:2319-1805,Vol 1,248-252	2013
6.	P.Srinivas M.Tech,(Ph.D.)	Image Processing Edge Detection Technique used for Traffic Control Problem	International Journal	IJCSIT ISSN:0975-9646,Vol.4(1),2013,17-20	2013
7.	Indira Chakravarthi M.Tech,(Ph.D.) Assoc.Prof.	Overview of Fingerprint Image Enhancement and Minutia Extraction	International Journal	IJCSIT ISSN:0975-9646	2013
8.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	MMP-Tree For Sequential Pattern Mining With Multiple Minimum Supports In Profressive Databases	International Journal	DOI: 10.5121/ijcsea.2012.2506	2012
9.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Sequential Pattern Mining With Multiple Minimum Supports in Progressive Databases	International Journal	IJDMS Vol.4,No.4	2012
10.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Sequential Pattern Mining in Incremental and Progressive Data Bases	International Journal	ISSN 0973-1873 Vol 7,No.3(2011),pp.319-328	2012
11.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Algorithms for Mining Sequential Patterns	International Journal	ISSN 0974-2255 Vol 3,No.1(2011),pp.59-69	2012
12.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Stratified Cross layer Congestion Control and Endurance Routing Protocol for Manets	International Conference	IEEE DOI 10.1109/CICSyN.2012.76	2012
13.	Dr.PVS. Srinivas M.Tech,Ph.D.	Concept Similarity and Cosine Similarity Result	International Conference	Springer-Verlag Berlin	2012

	Professor&Head	Merging Approaches in Meta Search Engine		Heidelberg 2012	
14.	C.RamaSeshagiri Rao M.Tech,(Ph.D) Professor	Digital Water Marking Algorithm Based on Complete Complementary Code	International Conference	Iccnt	2012
15.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Periodic Web Personalization for Meta Search Engine	International Journal	IJCST Vol 2,Issue 4	2012
16.	C.RamaSeshagiri Rao M.Tech,(Ph.D) Professor	Directed Graph Algorithms for Tours – A Case Study	International Journal	(JETES) 2 (4):615-618	2012
17.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	Web Service Architecture for a Meta Search Engine	International Journal	IJACSA Vol2,No.10	2012

2011-12				
S. No.	**Name of the Faculty**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Year of Publishing/ Registered**
1.	Dr.PVS. Srinivas M.Tech,Ph.D. Professor&Head	K-way join approach for association rule mining	National Conference on Computational Intelligence and Applications	2012
2.	Dr.PVS. Srinivas M.Tech, Ph.D. Professor&Head	SC3ERP: stratified cross layer congestion control and endurance routing protocol for manets	National Conference on Computational Intelligence and Applications	2012
3.	Dr.PVS. Srinivas M.Tech, Ph.D. Professor&Head	A survey on power aware routing protocols in mobile adhoc networks	National Conference on Computational Intelligence and Applications	2012
4.	Dr.PVS. Srinivas M.Tech, Ph.D. Professor&Head	SAHR: Swarm adaptive hybrid routing protocol for mobile adhoc networks	National Conference on Computational Intelligence and Applications	2012
5.	Dr.PVS. Srinivas M.Tech, Ph.D. Professor&Head	Search engine selection approach in meta search engine	National Conference on Computational Intelligence and Applications	2012
6.	P.Srinivas M.Tech,(Ph.D.)	Extraction of dynamic region of interest (ROI) for palmprint	National Conference on Computational Intelligence and Applications	2012
7.	Indira Chakravarthi M.Tech,(Ph.D.) Assoc.Prof.	BIO "Metrics"	National Conference on Computational Intelligence and Applications	2012
8.	M.Ashwini M.Tech. Assoc.Prof.	Efficient search algorithm for P2P networks	National Conference on Computational Intelligence and Applications	2012
9.	M.Raja Krishna Kumar M.Tech,(Ph.D.) Assoc.Prof.	CBIR using singular values of color components	National Conference on Computational Intelligence and Applications	2012
10.	CH.V. Anupama B.Tech. Asst.Prof.	Efficient search algorithm for P2P networks	National Conference on Computational Intelligence and Applications	2012

11.	N.Jayasree B.Tech. Asst.Prof.	A hybrid method of hiding the text information using stegnography	National Conference on Computational Intelligence and Applications	2012
12.	M.Swapna Kumari B.Tech. Asst.Prof.	A hybrid method of hiding the text information using stegnography	National Conference on Computational Intelligence and Applications	2012
13.	P.Harshitha B.Tech. Asst.Prof.	Security for online exams using cryptography	National Conference on Computational Intelligence and Applications	2012
14.	K.Naresh Babu M.Tech. Asst.Prof.	An approach to topic specific web resource discovery	National Conference on Computational Intelligence and Applications	2012
15.	S.Ramanjaneyulu B.Tech. Asst.Prof.	An approach to topic specific web resource discovery	National Conference on Computational Intelligence and Applications	2012
16.	A.Raghu B.Tech. Asst.Prof.	Deep web crawler based on R-G-B algorithm	National Conference on Computational Intelligence and Applications	2012
17.	K.Vijaya Bhaskar B.Tech. Asst.Prof.	Deep web crawler based on R-G-B algorithm	National Conference on Computational Intelligence and Applications	2012
18.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	Study of Electromagnetic radiation and specific absorption rate of mobile phones with fractional human head models via green's function	International Journal	2011
19.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	Intrusion Minimized and Congestion Control (IMCC protocol) in Wireless Sensor Network for High Quality Data Rate of Streaming	International Journal	2011
20.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	Computation of multiple paths in MANETs using Node-Disjoint Method	International Journal	2011
21.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	A survey on "The Performance of various Meta Search Engines"	International Journal	2011
22.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	Deploying an Application on the Cloud	International Journal	2011
23.	Dr.P.V.S.Srinivas M.Tech,Ph.D Professor & Head	Load balancing through shortest path in regular Mesh topology	International Journal	2011
24.	S.Tirupathi Rao M.Tech,(Ph.D) Assoc.Professor	Deploying an Application on the Cloud	International Journal	2011
25.	M.Aswini B.Tech(M.Tech) Asst.Professor	Load balancing through shortest path in regular Mesh topology	International Journal	2011

20. Areas of consultancy and income generated: Not significant

21. Faculty as members in

a) National committees:

1. Dr. S. Udaya Kumar is a Master trainer for NBA.
2. Dr. DSR Murthy is DOEACC Expert member since 1994.

b) International Committees:

1. Dr. DSR Murthy is a reviewer in SAI, London, UK for the international conference during Oct 2013, Aug 2014 and June 2015.

c) Editorial Boards:

1. Dr. S. Udaya Kumar is Editor in IJNS, JST, IAENG journal of CS
2. Dr. DSR Murthy is Editor in IJCER journal.
3. Dr. GVS Acharyulu is Editor in IJRCCT journal.

d) Professional Body membership:

Faculty with Designation	**Professional Society/ Chapter**	**Membership details**
Dr.D.S.R.Murthy Professor & Head	CSI FIE IETE ISTE DOE ACC SMCSI Chartered Engineer(I.E&IETE)	006818 108781-5 F-102853 3074 Expert member Life member Life member
Dr.S.Narender Kumar Professor	IEEE(Senior member)	91307487
S.Tirupathi Rao, Professor	ISTE	LM 47567
A.Sri Lakshmi, Associate Professor	ISTE	LM102248
P.Dileep, Associate Professor	ISTE	LM79416
M.Raja Krishna Kumar Associate Professor	IETE, CSI, ISTE, AIENG, IEEE, ACM, Member of faculty connection program in Microsoft	139904, 01171399 83371 129229 92256145 2568245 ee161a63-4fd5-49b7-b78c-2097f920cfc8
D.Venkateshwarulu Associate Professor	ISTE	LM 58594
M.Srinivas Associate Professor	ISTE	LM 61122

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme: **52%**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ Govt. Organizations/other agencies: **48%**

23. Awards/ Recognitions received by faculty and students:

Faculty:

- Dr. Udaya Kumar Susarla won the "Best Teacher" award in Sreenidhi Institute of Science Technology for the year 2001-2002 and for the years 2004-05, 2005-06, and 2006-07.
- Sri.D.Venkateshwarlu , Associate Professor received "Merit Certificate" from the Balaji Institute of Technology & sciences.

Students:

1. S.B.Venkata Naveena – CSE (R.No: 08R11A0550) (**87.76%**) received **Gold Medal** from JNTUH, for being **1st rank** in B.Tech CSE among all affiliated colleges of JNTUH.
   - The scholarship is provided to the topper in branch for all years of students.
   - Late G. Raja Reddy Memorial Award (from M/s. Teja Edn. Society) was received by the eligible CSE students:

Table: Awards received by CSE students (Merit students)

2014-15

No	R.NO	Name	Percentage	Amount (Rs)	Toppers in (academic year)
1	13R11A05L9	R SRUTHI REDDY	83.10	3000	First Year (2013 Batch)
2	13R11A0597	PUNNA SPOORTHY	81.50	3000	First Year (2013 Batch)
3	13R11A05N1	U V SATYA SUNANDA	81.00	3000	First Year (2013 Batch)
4	13R11A05M9	T RAVI THEJA	80.90	3000	First Year (2013 Batch)
5	12R11A05C7	BHANDARKAR SNEHA SRIKANTH	78.66	3000	Second Year (2012 Batch)
6	12R11A0529	K SUNIL RAYTER	77.06	3000	Second Year (2012 Batch)
7	12R11A0501	AASHISH KUMAR PANDEY	76.60	3000	Second Year (2012 Batch)
8	11R11A0537	MEGHANA RAMESH GOLLAPUDI	81.26	3000	Third Year (2011 Batch)
9	11R11A0528	K KRUTHI	81.06	3000	Third Year (2011 Batch)
10	10R11A0529	LANKA BHARGAVI KRISHNA	85.88	3000	Fourth Year (2011 Batch)
11	10R11A0509	CHOUDARY ANAMIKA NUPUR	85.72	3000	Fourth Year (2011 Batch)

2013-14

No	R.NO	Name	Percentage	Amount (Rs)	Toppers in (academic year)
1	12R11A0529	Ketki Sunil Rayter	87.40	7000	First Year (2012 Batch)
2	12R11A05C7	Bhandarkar Sneha Srikanth	87.40	7000	First Year (2012 Batch)
3	11R11A0537	Meghana Ramesh	80	7000	II Year

		Gollapudi			(2011 Batch)
4	11R11A0528	K.Kruthi	77.5	3000	II Year (2011 Batch)
5	10R11A0529	Lanka Bhargavi Krishna	81	7000	III Year (2010 Batch)
6	10R11A0588	K.Jyothirmye	80	3000	III Year (2010 Batch)
7	09R11A05B4	Tanguturi SP Madhuri	83.05	7000	IV Year (2009 Batch)
8	09R11A0595	Muthyala Priyanka Chaitanya	82	3000	IV Year (2009 Batch)

2012-13

No	R.NO	Name	Percentage	Amount (Rs)	Toppers in (academic year)
1	08R11A0550	Sura B Venkata Naveena	91.10	10000	IV Year (2008 Batch)
2	09R11A0550	S Sruti	79.13	10000	III Year (2009 Batch)
3	10R11A05A8	Priyanka Chadalavada	83.46	10000	II Year (2010 Batch)
4	11R11A0537	Meghana Ramesh Gollapudi	87.3	10000	I Year (2011 Batch)

2011-12

No	R.NO	Name	Percentage	Amount (Rs)	Toppers in (academic year)
1	07R11A0578	Gaddam Meghana	82.53	10000	IV Year (2007 Batch)
2	08R11A0509	C.Anusha	85	10000	III Year (2008 Batch)
3	09R11A0569	B.Neelima	78.66	10000	II Year (2009 Batch)
4	10R11Ao529	L.BhargaviKrishna	89.2	10000	I Year (2010 Batch)

24. List of eminent academicians and scientists/ visitors to the department:

- Prof.Dr.A.Govardhan, Director of Evaluation, JNTUH
- Prof.C.Radhakrishna, Scientist, CCMB
- Prof. M L Sai Kumar**,** Professor & Dean,IPE, O.U.Campus, Hyd.
- Dr. Anatha Charan Ojha, Professor, ICFAI
- Dr.M.N.V.K.Prasad,Asst.Prof,IDRBT,Hyd
- Prof. M.L.Sai kumar, IPE, OU, HYD
- Prof.Dr.Udgata,University of HYD
- Mr.GnanaSeelan, Manager, CDAC
- Dr. Sameen Fathima, Professor & Head of Dept CSE, OU
- P.Krishna Reddy, Professor,IIT-Hyderabad
- Mr.Narayana, Director Honeybee Technologies, Coimbatore.
- Prof. Dr.O.B.V.Ramaiah, Head CSE, JNTUH

- Dr. Rajeev Wankar, Assoc.Prof, Hyderabad Central University
- Dr. B. Padmaja Rani, Assc Prof, CSE,JNTU
- Prof.Rameshwar Rao,VC,JNTUH.
- Prof.Dr.Padmaja Rani, Prof CSE, JNTUH.
- Prof.Dr.C.Raghavendra Rao, Prof, HCU.
- Mr. Srinivas Kongara LeadManager,Infosys, Mysore
- Mr. N.V. Ramana CEO, Jayam Solutions, Pvt.Ltd.
- Prof. Dr. DVLN Somayajulu, Dept of CSE, NIT,Warangal
- Prof. Dr. Sarma, Dept of ECE, NIT,Warangal
- Mr. P.A.Pratap,Project Manager(kota),NFC, ECIL
- Prof.V. Viswanatham, Retd. Prof. OU
- Prof.Dr.B. Sumitha Roy, Prof, OU
- Prof.Dr.P.S. Sharma, Vice Principal, CBIT
- Dr. T.Venu Gopal, Sr. Asst.Prof. JNTU
- Dr.Suresh Pabboju, Prof. & Head (ITD),CBIT
- Mr.K.S.Madhavan, Senior Manger, BHEL, Hyd
- Dr.Y.Rama Devi, Professor(CSED),CBIT

25. Seminars/ Conferences/Workshops organized & the source of funding:

a)National

2014-15

S.No	Module Description	Resource persons	Dates conducted on
		FDPs	
1	Computational Tools in Research	1. **Dr.S.Radhika** Professor, EEE Dept, GCET. 2.**Mr.Rangacharyulu** Professor, ECE Dept, GCET. 3. **Ms.T.Kavitha,** Asst.Prof ,ECE Dept, MVSR. 4. **Dr.S.Nagendra Kumar,** Professor,CSE Dept, GCET.	18-12-14 & 19-12-14
2	Research Trends in Cloud Computing	**1. Dr.Bejawada Bhruhadeshwar,** Asst.Professor,IIITH. 2 . **Dr.SureshPurini, Asst.Professor,IIITH 3. Ms.Nava Jyothi,** STO,C-DAC. 4. **Mr.G.Srinivas** Director,ERP Direct. **5.Mr.Shashi Kumar,** Asst.Professor,VCE	15-12-14 & 16-12-14

Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Web Technologies – JSP	**1. Mr.M.Naveen**, Director, **2.Mr.Anil**, Sr.Developer, COIGN EDU & IT Services Pvt Ltd...	11-04-15
2	Compiler Design	**Dr.K.V.N.Sunitha,** Principal, BVRIT.	02-04-15
3	FLAT	**Dr.K.V.N.Sunitha ,** Principal, BVRIT.	02-04-15
4	DBMS	**Mr.M.Dhanajaya Reddy,** Senior Project Manager, DESHAW Software Pvt Ltd	27-03-15
5	Data Mining	**P.Krishna Reddy,** Professor, IIT-Hyderabad	23-09-14
6	Information Retrieval Systems	**Dr. Sameen Fathima** Prof & Head of Dept CSE ,OU	14-08-14
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Information Security Education & Awareness	**Mr.GnanaSeelan,** Manager, CDAC.	**13-08-14**
2	Computational tools used in Research	Prof Radhika S Prof EVLN Rangachryulu Prof S.Nagender Kumar Mrs Kavitha, MVSRCE	18-12-14 & 19-12-14

2013-14

S.No	**Module Description**	**Resource persons**	**Dates conducted on**
FDPs			
1	Recent Trends & Challenges in Data Mining	**1.Dr. B.Anuradha,** Principal ,Pragna Bharathi Institute of Technology. 2. **Dr. Kumar Eswaran,** Chairman & CEO,*Altech Power Energy Sys.Pvt.Ltd.,*Professor (CSED)*, SNIST* 3. **Dr. V.Ravi,** Assoc.Professor,IDRBT **4.Dr. M.Seetha** Professor , Dept. of CSE, G.Narayanamma Institute of Technology and Science. **5.Dr.N.Sandhya** Professor & HOD of CSE. Gokaraju Rangaraju Institute of Technology and Science. **6.Mr. Sandeep Rawat** Associate Professor & HOD of CSE,Guru Nanak Institute of Technology. **7.Mr.Sunil Bhutada** Associate Professor , Dept. of CSE,Sri Nidhi Institute of Technology and Science	05-12-13 06-12-13 07-12-13
2	IMPENDING APPLICATIONS OF IMAGE PROCESSING & MACHINE LEARNING	1.Dr.Kumar Eswaran Professor (CSED),SNIST 2. Dr.B.Anuradha Princial,Pragna Bharat Institute of	28-06-13 29-06-13

		Tech. 3. Dr.Suresh Pabboju Prof. & Head (ITD),CBIT 4. Dr.Y.Rama Devi Professor(CSED), CBIT 5. Dr.B.Sandhya Assoc.Prof(CSED), MVSR Engg.College 6. Dr.D.Ratna Deepthi, Prof. & Head(CSED),GCET	
3	CISCO	Mr.K.Naresh Babu, Asst.Prof, CSE, GCET	12-06-13 To 20-06-13
Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Information Security Education & Awareness	**Mr. P.Ramu,** Consultant Software Architect, M/S logic Designers	19-02-14
2	Top down & Bottom up Parsers	**Dr.K.Anuradha** Vice Principal, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
3	Applications Greedy Method	**Dr.N.Sandhya** Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
4	FLAT	**Dr.B.Anuradha** Principal , Pragna BharathInstitute of Technology	03-02-14
5	Student Roles & Responsibilities	**Prof. M L Sai Kumar,** Professor & Dean,IPE, O.U.Campus, Hyd.	07-01-14
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Entrepreneurship awareness	**1.Prof. Abhirama Krishna,** Director SBSS, Secundrabad **2.Mr. Ramana Murthy,** Retired DGM, SBI **3.Mr. Vinay Kumar,** CEO, DataWise **4.Prof. Venu Gopal,** MVSR Engg College **5.Prof. G.Surender Reddy,** SNIST. **6.Mr. Vijaykumar Devarakonda,** Director, Indusworld International School, Secundrabad	30-01-14 & 31-01-14
2	NBA	OU committee Members	26-09-13 To 28-09-13
3	Employability Skills	Mr. Shakir loor ali	17-09-13

2012-13

S.No	Module Description	Resource persons	Dates conducted on
		FDPs	
1	PEDAGOGY	1.**Prof.Dr.Annie Pothen,** **2.Prof.Dr.LV. Chalapathi Rao,** **3.Prof.Dr.KSR Shiva Sai,** Prof.Bio-Tech, SNIST, 4.**Prof. Venkatram Reddy**, IPS, APPA, 5. **Prof.V. Viswanatham,** Retd. Prof. OU, 6.**Prof.Dr.B. Sumitha Roy**, Prof of English, OU, 7. **Prof.Dr.P.S. Sharma,** Vice Principal, CBIT, 8. **Prof.Dr. Udaya Kumar Susarla,** Principal,GCET	29-04-13 & 30-04-13
2	WEKA Tools & Linux Programming	1. **Sunil Buttada** Associate Prof. Dept of IT, SNIST 2.**K.Srinivas Rao** Associate Prof. Dept of IT, SNIST 3.**Mr. P.Radha Krishna**, Scientific Officer, CCMB	27-06-12 28-06-12 29-06-12 30-06-12
3	UBUNTU Installation & Utilization	**P.Sreedhar** Associate Prof. Sreenidhi institute of Engg & Tech	25-06-12 26-06-12
		Guest lectures	
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Project Management	**Mr. P.A.Pratap,** Project Manager(kota), NFC, ECIL	18-10-12
		Work shops	
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Game Development	**Anirudh Cheruvu**, Lead Game Designer, Twist Mobile, Indore.	22-02-13 23-02-13
2	Cloud Computing	**Chinmay Saraswat,** WebTek Labs Ltd.,New Delhi	06-02-13, 07-02-13 08-02-13
3	Ethical Hacking	**Sai Satish**, Founder & CEO of Indian Servers	10-09-12 11-09-12
4	Overview of NPTEL & NME-ICT	1.**Prof. Dr. DVLN Somayajulu,** Dept of CSE, NIT,Warangal 2.**Prof. Dr. Sarma,** Dept of ECE, NIT,Warangal	06-10-12

2011-12

S.No	Module Description	Resource persons	Dates conducted on
		FDPs	
1	Installation and Utilities of 'Ubuntu'	**Mr. Vikas Reddy,** Web Application Developer, AZRI Solutions Pvt.Ltd.	30-12-11
		Guest lectures	
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Employability parameters for graduate engineers	**Mr. Srinivas Kongara** LeadManager,	02-09-11

		Infosys, Mysore	
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	PHP & DRUPAL	**Prajwala Manchikatla & Rajesh Kumar**, AZRI Solutions Pvt.Ltd.	27-01-12 & 28-01-12
2	Web Services & its Applications	**Mr.I.N.V . Suryanarayana**, Active Net Infomatics	04-11-11 & 05-11-11
3	Apple IPhones, IPods & IPad –IOS	**Mr. N.V. Ramana** CEO, Jayam Solutions, Pvt.Ltd.	09-08-11
4	Network Programming	**Prof.C.Radhakrishna** Scientist, CCMB	28-07-11 & 29-07-11
Conferences			
1	National Conference on Computational Intelligence & Applications	1.**Prof.Rameshwar Rao,**VC,JNTUH. 2.**Prof.Dr.Padmaja Rani**, Prof CSE, JNTU. 3.**Prof.Dr.VVSSS.Balaram**, Head IT, SNIST. 4.**Prof.Dr.C.Raghavendra Rao**, Prof, HCU. 5.**Prof.Dr.A.Govar dhan**, Director of Evaluation, JNTUH	09-02-12 & 10-02-12

b) International: Nil

26. Student profile programme - course wise:

Batch	Name of the program	Intake (including lateral entry)	Selected for exams	Enrolled		Total Pass	Pass percentage (all four years)
				Male	Female		
2014-18	B.Tech CSE	238	NA	109	129	NA	NA
2013-17		224	NA	123	101	NA	NA
2012-16		174	NA	97	77	NA	NA
2011-15		120	NA	56	64	NA	NA
2010-14		123	118	49	69	102	85.71%
2009-13		120+4	118	49	69	110	93.22%
2008-12		120+3	120	-	-	95	79.16%
2007-11		120	120	-	-	95	79.16%
2014-16	M.Tech CSE	24	NA	-	-	NA	NA
2013-15		23	NA	-	-	NA	NA
2012-14		18	18	-	-	16	88.88%
2011-13		18	18	-	-	18	100%
2014-16	M.Tech CS	10	NA	-	-	NA	NA
2013-15		18	NA	-	-	NA	NA

27. Diversity of Students:

Name of the course	% students from the same state	% students from the other state	% of students from abroad
B.Tech (CSE)	100%	0%	0%
M.Tech(CSE)	100%	0%	0%
M.Tech (CS)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Sl. No	Name of the Competitive Exam	2014-15	2013-14	2012-13	2011-12
1	UGC-CSIR-NET	-	-	-	-
2	UGC-NET/ SLET	-	-	-	-
3	GATE	-	-	5	5
4	CAT / GRE	10	16	11(GRE& TOFEL)	17(GRE& TOFEL)
5	TOFEL / GMAT	10	16		
6	Central /State services, Defense, Civil Services	-	-	-	-
7	Any other competitive exams (give details)	-	2(ICET)	6(ICET)	2(ICET)
Total		20	34	22	24

29. Student progression:

Percentage of students progressing to higher education or employment for the last four batches.

Sl. No.	Students Progress Towards	2014-2015	2013-2014	2012-2013	2011-2012
1	Higher Education	9	20	23	26
2	Employment	54	80	87	48

30. Details of Infrastructural facilities:

a) Library

The Department has its own Library in addition to the Central Library with 330 titles, 340 volumes, 60 project reports, 56 course files, 18 Lab manuals.

b) **Internet facilities for Staff & Students**

All the staff and Students can use internet facility in the department.

Internet Service Providers:

a) Apollo Communication (P) Ltd - (22 Mbps)
b) Excel Media (P) Ltd - (8 Mbps)

c) **Class rooms with ICT facility**

Total class Rooms available: 15 (UG) +2 (PG)
Total Tutorial halls Available: 4

An exclusive fully equipped E-class room is available to conduct ICT lectures. Apart from that, any class room can be provided with ICT facility with the exclusive LCD projectors and Laptops available in the department. Besides, all the Seminar Halls are equipped with LCD projectors.

d) **Laboratories**

The Department has 15 modern laboratories to serve the teaching and research needs of the students and faculty of the Department. All systems are connected to the Departmental LAN which is a part of the Institute wide area network.

Table: Lab Details of CSE Department

Sl.No.	Name of the Department	UG / PG	Name of the Lab	Block No.	Room No.	Area
1	CSE	UG	Computer Lab	I	201	66 Sq.Mtrs
2	CSE	UG	Computer Lab	I	202	66 Sq.Mtrs
3	CSE	UG	Computer Lab	I	203	66 Sq.Mtrs
4	CSE	UG	Computer Lab	I	204	66 Sq.Mtrs
5	CSE	UG	Computer Lab	I	205	66 Sq.Mtrs
6	CSE	UG	Computer Lab	I	205/A	66 Sq.Mtrs
7	CSE	UG	Computer Lab	II	R104	66 Sq.Mtrs
8	CSE	UG	Computer Lab	II	R105	66 Sq.Mtrs
9	CSE	UG	Computer Lab	II	R106	66 Sq.Mtrs
10	CSE	UG	Computer Lab-9	II	R206	66 Sq.Mtrs
11	CSE	UG	Computer Lab-6	I	219	79 Sq.Mtrs
12	CSE	UG	Chemistry Lab	II	R302	117 Sq.Mtrs
13	CSE	UG	Computer Lab	I	R310	75 Sq Mtrs
14	CSE	PG	Computer Lab	I	301	66 Sq.Mtrs
15	CSE	PG	Computer Lab	I	302	66 Sq.Mtrs

e) Faculty Cabins:

S.no	Room Description	Usage (class Room)	Capacity (Area in Sqm)
1	Block-1(Door No 224/1)	Cabin for HOD	20 Sqm
2	Block-1 (Door No 224/2)	Professors Cabin- 1	20 Sqm
3	Block-1 (Door No.224/3)	Professors Cabin- 2	20 Sqm
4	Block-1 (Door No.224/4)	Professors Cabin -3	20 Sqm
5	Block-1 (Door No.211)	Senior Faculty Cabins 12	10 Sqm
6	Block-1 (Door No.312)	Junior Faculty Cabins 37	5 Sqm

31. Number of students receiving financial assistance from college, university, government or other agencies:

Table1: Scholarship details of CSE department (last four years)

No	Name of Agency	No. of Students Received Financial Assistance			
		2014-15	2013-14	2012-13	2011-12
1	Govt. of AP	290	277	241	188
2	JNTUH	-	-	-	-
3	GCET	12	8	4	4
4	Others	-	-	-	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

2014-15

Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Web Technologies – JSP	**1. Mr.M.Naveen**, Director. **2.Mr.Anil**, Sr.Developer, COIGN EDU & IT Services Pvt Ltd..	11-04-15
2	Compiler Design	**Dr.K.V.N.Sunitha,** Principal, BVRIT.	02-04-15
3	FLAT	**Dr.K.V.N.Sunitha ,** Principal, BVRIT.	02-04-15
4	DBMS	**Mr.M.Dhanajaya Reddy,** Senior Project Manager, DESHAW Software Pvt Ltd	27-03-15
5	Data Mining	**P.Krishna Reddy,** Professor, IIT-Hyderabad	23-09-14
6	Information Retrieval Systems	**Dr. Sameen Fathima** Professor & Head of Dept CSE ,OU	14-08-14
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Information Security Education & Awareness	**Mr.GnanaSeelan,** Manager, CDAC.	13-08-14
2	Computational tools used in Reaserch	Prof Radhika S Prof EVLN Rangachryulu Prof S.\nagender Kumar Mrs Kavitha, MVSRCE	18-12-14

2013-14

Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Information Security Education & Awareness	**Mr. P.Ramu,** Consultant Software Architect, M/S logic Designers	19-02-14
2	Top down & Bottom up Parsers	**Dr.K.Anuradha** Vice Principal, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
3	Applications Greedy Method	**Dr.N.Sandhya** Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
4	FLAT	**Dr.B.Anuradha** Principal , Pragna BharathInstitute of Technology	03-02-14
5	Student Roles & Responsibilities	**Prof. M L Sai Kumar,** Professor & Dean,IPE, O.U.Campus, Hyd.	07-01-14
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Entrepreneurship awareness	**1.Prof. Abhirama Krishna,** Director SBSS, Secundrabad	30-01-14 31-01-14

		2.Mr. Ramana Murthy, Retired DGM, SBI **3.Mr. Vinay Kumar,** CEO, DataWise **4.Prof. Venu Gopal,** MVSR Engg College **5.Prof. G.Surender Reddy,** SNIST. **6.Mr. Vijaykumar Devarakonda,** Director, Indusworld International School, Secundrabad	
2	Employability Skills	Shakir loor ali	17-09-13

2012-13

Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Project Management	**Mr. P.A.Pratap,** Project Manager(kota),NFC, ECIL	18-10-12
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Game Development	**Anirudh Cheruvu**, Lead Game Designer, Twist Mobile, Indore.	22-02-13 23-02-13
2	Cloud Computing	**Chinmay Saraswat,** WebTek Labs Ltd.,New Delhi	06-02-13, 07-02-13 08-02-13
3	Ethical Hacking	**Sai Satish**, Founder & CEO of Indian Servers	10-09-12 11-09-12
4	Overview of NPTEL & NME-ICT	1**.Prof. Dr. DVLN Somayajulu,** Dept of CSE, NIT,Warangal 2**.Prof. Dr. Sarma,** Dept of ECE, NIT,Warangal	06-10-12

2011-12

Guest lectures			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	Employability parameters for graduate engineers	**Mr. Srinivas Kongara** LeadManager, Infosys, Mysore	02-09-11
Work shops			
S.No	**Module Description**	**Resource persons**	**Dates conducted on**
1	PHP & DRUPAL	**Prajwala Manchikatla & Rajesh Kumar**, AZRI Solutions Pvt.Ltd.	27-01-12 & 28-01-12
2	Web Services & its Applications	**Mr.I.N.V . Suryanarayana**, Active Net Infomatics	04-11-11 & 05-11-11
3	Apple IPhones, IPods & IPad –IOS	**Mr. N.V. Ramana** CEO, Jayam Solutions, Pvt.Ltd.	09-08-11
4	Network Programming	**Prof.C.Radhakrishna** Scientist, CCMB	28-07-11 & 29-07-11

33. Teaching methods adopted to improve student learning

- Visual teaching methods like OHP sheets, video lectures, NPTEL lectures, you tube videos etc.
- Department organizing Seminars, workshops, Technical Quizzes, and Guest lectures.
- Faculty members prepare Course files & lecture notes for all subjects
- Development of student support material for average and below average learners and enthusiastic learners.
- Encouraging Mini Projects as a part of project method of teaching.
- Formulation of cooperative learning groups to improve peer group interaction.
- Organizing CRT classes, CACHE classes for GATE examinations and placement tests.
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Systems.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- During regular sessions, the students are trained in college for campus recruitments through a program called CRT (Campus Recruitment Training) and at present these classes are conducted by Triumphant Institute of Management Education (TIME), Hyderabad.
- Institute periodically conducts technical events like BHASWARA, Tech Expo etc., for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, CSI, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NSS activities: The NSS unit was started in our college in the academic year 2008-09 with around 250 volunteers.

The following are NSS Coordinators from the Dept. of CSE

1. Mr. B. Srinivas, Associate Professor
2. Mr. S. Ramanjaneyulu, Assistant Professor

- The NSS unit of the college provides social and community service in the nearby villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:
  5. Blood Donation Camp
  6. Health Camp
  7. Dental Camp
  8. Tree plantation

Table: NSS Volunteers List of CSE Department (2014-15)

Name of the Student	Roll No.	Contact No.	Class
A V PAVAN KUMAR	13R11A0503	9492120782	II CSE A
KOUSHIK K	13R11A0529	9908859922	II CSE A
CHRISTINA T	13R11A0547	9640282500	II CSE A
NITHYA K	13R11A0531	9652483410	II CSE A
HARI KRISHNA	13R11A05B4	7674800866	II CSE B
V ADITHYA	13R11A05A9	8125381507	II CSE B
C VIDHYA BHARATHI	13R11A05B1	8897555443	II CSE B
M KEERTHANA	13R11A0590	9989192714	II CSE B
M SHIVA KUMAR	13R11A05E2	8019039667	II CSE C
J SRIDHAR	13R11A05D2	8019356405	II CSE C
P SUSHMA	13R11A05F2	9704148824	II CSE C
Y INDHUJA	13R11A05E1	8897533248	II CSE C
ABHISHEK PAWAR	13R11A05H7	8179830927	II CSE D
K ABHI RAM	13R11A05K9	8897112994	II CSE D
J SAHITHI	13R11A05M2	7702297841	II CSE D
PRIYANKA	13R11A05J2	9059580563	II CSE D
L ADITHYA	12R11A0502	8801805567	III CSE A
N PRASHANTH	12R11A0540	9985911537	III CSE A
R SRINIJA	12R11A0550	9705615567	III CSE A
G RISHIKA	12R11A0516	9866687539	III CSE A
M KALYAN KUMAR	12R11A0591	9700237775	III CSE B
N LALITHA	12R11A0597	9700419877	III CSE B
B SWATHI	12R11A0571	9885361041	III CSE B
K V V S R VARUN	12R11A0585	8897655113	III CSE B
Y N V VIKAS	12R11A05H3	8801857050	III CSE C
E DINESH REDDY	12R11A05D4	8500088842	III CSE C
D SANDHYA	12R11A05C6	9390044355	III CSE C
B CHANUKYA	12R11A05C8	9652859363	III CSE C
ADARSH LOHIA	11R11A0502	9014217878	IV CSE A
PRAVEEN KUMAR	11R11A0556	9030505983	IV CSE A
DEVIKI D	11R11A0514	9032224214	IV CSE A
PRIYANKA M	11R11A0535	8143115351	IV CSE A
RAMAKRISHNA	11R11A0576	9177856347	IV CSE B
N VISHNU PRIYA	11R11A0593	9030401101	IV CSE B
B SWATHI	11R11A0563	8885802565	IV CSE B
SRINIVAS	11R11A0565	9951431238	IV CSE B

- Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and distributed to the students of Primary School at Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.
- Providing school items to the poor children.
- The Head Master of MP Primary School of Cheerayal and the Head Master of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their students.. The students who are joining these schools are really very poor and it is truly a service to the society, if we help them by providing the required material for their studies. We are doing this service for the last 3 years.. Proper accounts will be maintained under NSS wing of GCET for the above.
- CSE faculty conducted four weeks (two days per week) special computer training to ZP High school students in Cheeryal village.

35. SWOC analysis of the department and Future plans

Department of CSE

While conducting SWOC analysis for the department of Computer Science Engineering, an unprejudiced approach has been adopted. The analysis reports of IQAC, discussions among the faculty, various survey results conducted both for the students and faculty are taken into account and the consolidated points are given as under.

Strengths

- Strong faculty with a balance of interest to research and teaching
- Excellent infrastructure and fully equipped laboratories
- Good number of qualified and motivated faculty
- Good industry-institute-interaction
- Innovative projects of inter-disciplinary nature
- Accredited by NBA since 2012
- Demand for the CSE Program
- Effective Teaching Learning Process / Learning Management Systems

Weaknesses

- Association with other institutions or universities is minimal
- Consultancy is minimal
- No Patents in the Department

Opportunities

- Excellent funding opportunities
- Exceptionally good career opportunities for graduates
- Tremendous opportunities for interdisciplinary research as good number of PhDs with various specializations
- To organize International Conferences / Faculty Development Programs

Challenges

- Volatile global economy
- Growing competition from old colleges and universities with the increase in intake in CSE program
- Ever growing and changing technological advancement
- To prepare industry ready CSE Graduates

Future Plans:

- To establish center of excellence in Computer Network.
- To become autonomous at the earliest.
- To enrich R&D Activities.

<<<>>>

Evaluation Report

of

ECE Department

Evaluation Report of the Electronics and Communication Engineering (ECE) Department:

1) Name of the department: ELECTRONICS & COMMUNICATION ENGINEERING

2) Year of Establishment: 2005

3) Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc)

UG – B.Tech: Electronics & Communication Engineering

PG – M.Tech: i) Embedded Systems

ii) Electronics & Communication Engineering

iii) VLSI – System Design

4) Names of Interdisciplinary courses and the departments/units involved: NIL

5) Annual/semester/choice based credit system (programme wise):

i) B.Tech (Electronics & Communication Engineering) – Semester based Credit system- Electives for III years in II semester and for IV years in I and II semesters.

ii) M.Tech (Embedded Systems) - Semester based Credit system- Electives in I and II semesters of I year.

iii) M.Tech (Electronics & Communication Engineering) - Semester based Credit system- Electives in I and II semesters of I year.

iv) M.Tech (VLSI-SD) - Semester based Credit system- Electives in I and II semesters of I year.

6) Participation of the department in the courses offered by the departments. Courses offered by other departments:

S.No	Program UG /PG	Department	Courses offered by the Department
1	B.Tech	Electrical and Electronics Engineering	1) Electronic Devices and Circuits 2) Electronic Circuits 3) Switching Theory and Logic Design 4) Integrated Circuit Application 5) Microprocessor and Interfacing 6) VLSI System Design 7) Embedded System
2		Computer Science and Engineering	
3		Mechanical Engineering	
4		Information Technology	

7) Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL

8) Details of courses/programs discontinued (if any) with reasons: NIL

9) Number of teaching posts:

S.No	Designation	Allotted	Appointed
1	Professors	6	6
2	Associate Professors	12	16
3	Assistant Professors	37	37
Total Number of Teaching Posts		55	59

10) Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,) :

Sl. No.	Name of the Staff Member	Cat.	Designation	Qualification			Experience		
				UG	PG	Ph.D	T	I	R
1	Dr. P. Srihari	UG	Professor & HOD	B.E	M.S (EC), M.Tech. (DSCE)	Ph.D (Error Control Codeing)	25	-	-
2	Dr. C. Venkata Narasimhulu	UG	Professor	B.Tech.	M.Tech (ICS)	Ph.D (Sig. Ima. Proc.)	20	-	-
3	Dr. M. Satyanarayana	PG-VLSI-SD	Professor	B.Sc	M.Sc (Tech.)	Ph.D (Ele. Opt.)	34	9	-
4	K Somasekhara Rao	UG	Professor	BE	M.Tech. (AE)	-	6	32	-
5	D.Ramakrishna Rao	PG-ECE	Professor	B.E	M.Tech (Elect. & Inst.)	-	6	35	-
6	EVLN Ranga Charyulu	UG	Professor	B.Tech.	M.E (MRE)	-	22	-	-
7	B. Leela Ram Prakash	UG	Professor	B.Tech.	M.Tech. (EI)	-	15	-	-
8	Dr. V. Satya Srinivas	PG-ES	Assoc. Prof.	B.E	ME (ECE)	Ph.D (Global Nav. & Sat.Sys.)	-	-	8
9	P.Sudhakar	UG	Assoc. Prof	B.Tech	M.Tech (DE&CS)	-	12	-	-
10	S.Jyothirmayee	UG	Assoc. Prof.	B.E	M.Tech. (ES)	-	11	-	-
11	A. Shanker	UG	Assoc. Prof.	B.Tech.	M.Tech. (SSP)	-	10	-	-
12	D. Venkata Rami Reddy	PG-ES	Assoc. Prof.	B.Tech.	M.E (DS)	-	16	-	-
13	B. Sreelatha	UG	Assoc. Prof.	B.Tech.	M.Tech. (VLSI-SD)	-	7	-	-
14	J. Mrudula	UG	Assoc. Prof.	B.Tech.	ME (Elect.)	-	10	-	-
15	M. Christhu Raju	PG-ECE	Assoc.Prof.	B.Tech.	M.Tech. (ECE)	-	14		
16	U.Appalaraju	UG	Assoc.Prof.	AMIE	M.Tech (DSCE)	-	8.5	-	-
17	R.Odaiah	UG	Assoc.Prof.	B.E.	M.E. (SSP)	-	10	-	-
18	G.Sreelakshmi	PG-ES	Assoc. Prof.	B.Tech	M.E. (DS)	-	11	2.5	-

19	M.Laxmi	PG-ECE	Assoc. Prof.	B.Tech	M.Tech. (ECE)	-	7.5	-	-
20	S.Krishna Priya	UG	Assoc. Prof.	B.Tech	M.E. (CS)	-	8.5	-	-
21	T. Rama Krishna	PG-VLSI-SD	Assoc.Prof.	B.Tech	M.Tech (ECE)	-	11	9	
22	S. Vasu Krishna	PG-VLSI-SD	Assoc. Prof.	B.E	M.Tech. (DS&CE)	-	13	5	
23	M.Muthamma	UG	Asst. Prof.	B.Tech	M.Tech (ES&VLSI-SD)	-	6	-	-
24	P.Prasanna Rani	UG	Asst.Prof.	B.Tech	M.Tech. (ES)	-	7	-	-
25	M.Hemalatha	UG	Asst.Prof.	B.Tech	M.Tech. (DECS)	-	7	-	-
26	M.Venkata Sireesha	UG	Asst.Prof.	B.Tech	M.Tech (ES)	-	7	-	-
27	K V S Nagaraju	UG	Asst.Prof.	B.Tech	M.Tech. (VLSID)	-	6.5	-	-
28	P. Kalavathi	UG	Ast. Prof.	B.Sc, M.Sc	M.Tech. (Space Tech.)		3.5		
29	M R Vishnu Kishore	UG	Asst.Prof.	B.Tech	M.Tech. (ES)	-	1	-	-
30	B.Suneetha	UG	Asst.Prof.	B.Tech	M.Tech. (Dig. Com.)	-	2.5	-	-
31	G. Pavani	PG-ES	Asst Prof.	B.Tech.	M.Tech. (DSCE)	-	4	-	-
32	M. Uma Rani	UG	Asst Prof.	B.Tech.	M.Tech. (DECS)	-	8	3	-
33	V.Venkata Lakshmi	UG	Asst. Prof.	B.Tech.	M.Tech. (DECS)	-	4	-	-
34	SK. Asma	UG	Asst. Prof.	B.Tech.	M.Tech. (CE&SP)	-	F	-	-
35	B.Mamatha	UG	Asst. Prof.	B.Tech.	M.Tech. (ES)	-	5.4	-	-
36	D. Sony	UG	Asst. Prof	B.Tech.	M.Tech. (VLSI-SD)	-	3	-	-
37	P. Sneha Naga Silpa	UG	Asst. Prof	B.Tech	M.Tech. (VLSI-SD)	-	F	-	-
38	M.Chathar Singh	UG	Asst. Prof.	B.Tech	M.Tech. (VLSI-SD)	-	2	-	-
39	S. Surya Prakash Reddy	UG	Asst. Prof.	B.Tech.	M.Tech. (ES)	-	F	-	-
40	M.Krishna Chaitanya	PG-VLSI-SD	Asst. Prof.	B.Tech.	M.Tech. (VLSI& ES)	-	6	-	-
41	R. Chiranjeevi	UG	Asst. Prof.	B.Tech.	M.Tech. (ES)	-	3	-	-
42	G. Poshamallu	UG	Asst. Prof.	B.Tech.	M.Tech (ES&VLSI-SD)	-	-	1	-

43	B. Jugal Kishore	UG	Asst. Prof.	B.Tech.	M.Tech. (VLSI)	-	1	2	-
44	Y. Naga Lakshmi	UG	Asst. Prof.	B.Tech.	M.Tech. (ES)	-	7	1	-
45	A. Rama Kishore	UG	Asst. Prof.	B.Tech.	M.Tech. (VLSI-SD)	-	5	-	-
46	Md. Touseef Sumer	UG	Asst. Prof.	B.Tech.	M.Tech. (SSP)	-	5.8	-	-
47	M.Krishna	UG	Asst. Prof.	B.Tech.	M.Tech. (VLSI-SD)	-	4	-	-
48	L. Kavya	UG	Asst. Prof.	B.Tech.	M.Tech. (DSCE)	-	2	-	-
49	Y. Siva Rama Krishna	UG	Asst. Prof.	B.Tech.	M.Tech. (WBC)	-	2	2	
50	T. Suman	UG	Asst. Prof.	B.Tech.	M.Tech. (SSP)	-	1		
51	K. Victor	UG	Asst. Prof.	B.Tech.	M.Tech. (DC)	-	4	1.5	
52	Ch. Anusha	UG	Asst. Prof.	B.Tech.	M.Tech. (VLSI& ES)	-	F		
53	S. Vijaya Lakshmi	UG	Asst. Prof.	B.Tech.	M.Tech. (WMC)	-	10		
54	S. Rama Devi	PG-ES	Asst. Prof.	B.Tech.	M.Tech. (ES)	-	2	-	-
55	V. Siddhartha	UG	Asst. Prof.	B.Tech.	M.Tech. (ES&VLSID)	-		-	-
56	A. Subramanyam	UG	Asst. Prof.	B.Tech. (ECE)	M.Tech. (VLSI& ES)	-	4.5	1.5	-
57	G. Venkat Rao	UG	Asst. Prof.	B.Tech.	M.Tech. (VLSI-SD)	-	1	-	-
58	J. Bharathi	UG	Asst. Prof.	B.Tech. (ECE)	M.Tech. (S&SP)	-	3	-	-
59	B. Ramu	UG	Asst. Prof.	B.Tech. (ECE)	M.Tech. (S&SP)	-	3	-	-
60	V. S. Lakshmi Priya	UG	Asst. Prof.	B.Tech. (ECE)	M.Tech. (ES)	-	-	-	-

11) List of senior visiting faculty: NIL

12) Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13) Student -Teacher Ratio (programme wise):

Program/Course	Total faculty members	Students	Faculty : Student
B. Tech	48	660	1:12.5
M. Tech	12	132	1:11

14) Number of academic support staff (technical) and administrative staff, sanctioned and filled:

S.No	Designation	Allotted	Appointed
1	Academic Support Staff (Technical)	7	7
2	Administrative Staff	2	2
Total		9	9

15) Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

Qualification	No. of faculty
Ph. D	3
PG (M.E. / M. Tech.)	56
UG (B.E. / B. Tech.)	Nil

16) Number of faculty with ongoing projects from funding agencies and grants received:

S.No	Funding Agency	Title	Grants Received	No. of Faculty Involved	Duration
1	DST, Govt. of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	Rs. 34.58 Lakhs	4	3 Years
2	DST, Govt. of India	"Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"	Rs. 24 Lakhs	2	3 years
3	M/s Ananth Technologies Ltd.	"Design and Development of Lidar system for image processing and optimization".	Rs. 38.8 Lakhs	4	2 years

17) Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

S.No	Funding Agency	Title	Co-ordinator Name	Grants Received	Duration
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	Dr. M Satyanarayana & Mr. P Sudhakar	Rs. 34.58 Lakhs	4 Years
2	DST, Govt of India	"Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"	V. Satya Srinivas	Nil as on date	3 years

18) Research Centre /facility recognized by the University:

- Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).

19) Publications: Publications of the Faculty in the last four years:

S.No	Publication Type	2014-15		2013-14		2012-13		2011-12	
		No. of Pub.	No. of Faculty	No. of Pub.	No. of Faculty	No. of Pub.	No. of Faculty	No. of Pub.	No. of Faculty
1	International Journal	43	18	13	7	3	1	8	4
2	International conference	3	2	4	2	3	3	3	2
3	National conference/ Journals	4	3	2	1	-	-	29	21

AY 2014-15					
S. No.	**Name of the Faculty, Qualification & Designation**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Journal / Conferences Details**	**Year of Publishing/ Registered**
1.	Dr. V.Satya srinivas	Modelling of Ionospheric Time Delay Using Anisotropic IDW with Jackknife Technique * Accepted for IEEE Trans. on Geosciences and Remote Sensing, pending minor revisions 14th Mar. 2015	International Journal	IEEE Trans on Geosciences and Remote sensing	March 2015
2.	Dr. V.Satya srinivas	Weighted Quasi-Optimal and Recursive Quasi-Optimal Satellite Selection Techniques for GNSS * Accepted for Presentation	International conference	Ionospheric Effects Symposium (IES) – 2015, Alexandria, VA, USA	May 2015
3.	Dr. V.Satya srinivas	Modelling of Ionospheric Time Delay Using Anisotropic IDW with Jackknife Technique	International Journal	IEEE Trans on Geosciences and Remote sensing	Jan 2015
4.	G.Sree lakshmi	Design and Implementation of Wallace tree multiplier using compressors for high speed applications	National conference	NCSSS2015	Jan 2015
5.	G. Sree Lakshmi	Design of Modulo 2n+1 Address	National conference	NCSSS2015	Jan 2015
6.	J.Mrudula	Frequency synthesizer for satellite data with reduced clock jitter	National conference	NCSSS2015	Jan 2015
7.	B.Suneetha	Frequency synthesizer for satellite data with reduced clock jitter	National conference	NCSSS2015	Jan 2015

8.	Dr M Satyanarayana	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
9.	Prof D Ramakrishna Rao	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
10	P Sudhakar	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
11	P Kalavathi	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-1467-2014.*	Dec 2014
12	Dr M Satyanarayana	Climatology Of Thin Cirrus Clouds at Gadanki (13.50N,79.20E) Using Ground Based Lidar And Satellite Based Measurements	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical	Dec 2014

				Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-283-2014.*	
13	Dr M Satyanarayana	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	Dec 2014
14	P Sudhakar	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	Dec 2014
15	P Kalavathi	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitiude Station, Gadanki (13.5 N , 79.2 E) India	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, *doi:10.5194/isprsarchives-XL-8-253-2014.*	Dec 2014
16	M. Hema Latha	Advanced Aid for Deaf, Blind using GPS,GSM and ultrasonic sensor	International Journal	IJSETR ISSN:2319-885 Vol.3 issue 25	Sep' 2014
17	S.Jyothirmayee	Design of High performance 64 bit MAC Unit	International Journal	IJRECT,ISSN:2348-9065 vol.1 issue 3	Jul-sep 2014
18	Dr.C.V.Narasimhulu	Design of QSD Number system addition using Delayed Addition Technique	International Journal	IJEEE, ISSN:2348-4748 vol.1, issue 10	Oct 2014
19	Dr.C.V.Narasimhulu	Robust Model to access consumer appliances using Android	International Journal	IJRAT, ISSN:2321 -9637 vol.2, issue 10	Oct 2014
20	J.Mrudula	Performance Analysis of	International	IJAEEE, ISSN:2278 -	Sep 2014

		Propagation Models of Wi-MAX in Urban, suburban Area	Journal	8948 vol.3, issue 3	
21	B. Sree latha	High speed Low power operations for FFT using Reversible Vedic Multipliers	International Journal	IJARECE, ISSN:2278 - 909X vol.3, issue 9	Sep 2014
22	B. Sree latha	Multiple SIC-TPG Schemes: By implementing Reconfigurable Johnson counter and scalable SIC counter	International Journal	IJARECE, ISSN:2278 - 909X vol.3, issue 9	Sep 2014
23	S.Jyothirmayee	On-Chip permutation network for Multiprocessor system on chip	International Journal	IJRECT,ISSN:2348-9065 vol.1 issue 3	Jul-sep 2014
24	G. Sree Lakshmi	Finger print and IRIS recognition using cross correlation	International Journal	IJARCCE,ISSN-2278-1021,vol.3,issue:9	Sep 2014
25	T.Rama Krishna	Dynamic Book search using RFID technology	International Journal	IJERGS,ISSN:2091-2730,vol.2,issue:6	Oct -Nov 2014
26	Prof. D.Rama Krishna Rao	Privacy-Aware monitoring Framework based time monitoring system for moving object	International Journal	IJARECE, ISSN:2278-909X,vol.3,issue:9	Sep 2014
27	A.Shanker	An Efficient High Speed Design of 16 bit Sparse -Tree RSFQ Adder	International Journal	IJERA, ISSN:2248-9622, vol.4,issue:9	Sep 2014
28	J.Mrudula	Viterbi Decoder Based on Speed optimization of a FPGA	International Journal	IJSETR,ISSN:2319-8885, vol.3,issue:27	Sep 2014
29	Prof. E.V.L.N.Rang acharyulu	Verilog implementation of parallel AES Encryption Engines for multi core processor arrays	International Journal	IJMETMR, ISSN:2348-4845, vol.1,issue:9	Sep 2014
30	D. Venkata Rami Reddy	Designing an Efficient and high throughput MIMO-OFDM system	International Journal	IJVDCS, ISSN:2322-0929, vol.2,issue:9	Nov 2014
31	B .Sree latha	Design and Implementation of MCU and the Internet communication system based on GPRS	International Journal	IJMETMR, ISSN:2348-4845, vol.1,issue:10	Oct 2014
32	M. Venkata Sireesha	Passenger Bus Alert system for easy navigation of Blind	International Journal	IJESR,ISSN:2277-2685, vol.4,issue:9	Sep 2014
33	Prof. D.Rama Krishna Rao	Performance of WIMAX over MIMO Nakagami Fading channels in cross layer	International Journal	IJARECE, ,ISSN:2278-909x, vol.3,issue:9	Sep 2014
34	J.Mrudula	Parallel prefix tree 32 bit comparator and adder by using scalabale Digital CMOS	International Journal	IJARECE,ISSN:2278-909x,vol.3, issue:10	Oct 2014
35	T Rama Krishna	Safeguarding of Automobiles using Enhanced GSM-GPS based system	International Journal	IJARECE,ISSN:2278-909x,vol.3, issue:10	Oct 2014
36	K.Somasekhara Rao	Automatic Energy Meter Reading system with instant billing and load control based on GSM technology	International Journal	IJSETR,ISSN:2319-8885,vol.3, issue:30	Oct 2014
37	E.V.L.N.Rang	Efficient Built in self repair analyser for embedded word	International	IJARECE,ISSN:2278-909x,vol.3, issue:9	Sep 2014

	acharyulu	oriented SRAM and DRAM memories with selectable redundancy	Journal		
38	E.V.L.N.Rang acharyulu	Study of Various low power and low latency carry select adders	International Journal	IJMETMR, ISSN:2348-4845,vol.1, issue:9	Sep 2014
39	Ch.Madhuri Devi	Implementation of High Efficient LED Lighting system with security	International Journal	IJSR, ISSN:2319-7064,vol.3, issue:10	Oct 2014
40	G. Pavani	Smart phone controlled two axes robot for video surveillance using wireless internet and raspberry pi processor	International Journal	IJRAT, ISSN:2321-9637,vol.2, issue:10	Oct 2014
41	R.Odaiah	Effiecient Robot control system with high security using DTMF	International Journal	IJR,ISSN:2348-6848,vol.1, issue:9	Oct 2014
42	A.Shanker	Fabrication of Robot using Raspberry pi with Android WIFI controlled for human and fire detection Alerts	International Journal	IJSETR, ISSN:2319-8885, vol.3,issue:33	Oct 2014
43	A.Shanker	Implementation of Health monitoring of patient using microcontroller	International Journal	IJESR, ISSN:2277-2685,vol.4,issue:8	Aug 2014
44	Dr.C.V.Narasimhulu	Embedded Linux based optical wireless intra vehicular communications	International Journal	IJCSIET, ISSN:2277-4408,vol.3,issue :4	Sep 2014
45	Prof. K. Somasekhara Rao	Design and Implementation of video surveillance and motion detection system using GSM technology based on ARM 9	International Journal	IJESTR, ISSN:2319-8885,vol34,issue:21	Sep 2014
46	M.Venkata Sireesha	Automated control system for air pollution detection in vehicles	International Journal		
47	Prof. K.Somasekhara Rao	Zigbee based speed monitoring and controlling for transport Navigation system	International Journal		
48	G.Sree Lakshmi	Design and Development of DOA Measurement PCB using FPGA	International Journal		
49	Prof.E.V.L.N. Rangacharyulu	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults",	International conference		
50	B.Sreelatha	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults",	International conference		

AY 2013-14					
S. No.	**Name of the Faculty, Qualification & Designation**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Journal / Conferences Details**	**Year of Publishing/ Registered**
1.	EVLN Ranga Charyulu	Heat transfer process parameter optimization in Si/Ge using Taguchi method.	International conference	Fifth ECI international conference on porous media and their	26TH JANUARY, 2014

				applications in science	
2.	EVLN Ranga Charyulu	Heat transfer process parameter optimization in Si/Ge using Taguchi method.	International conference	IWAMAN	April 2014
3.	EVLN Ranga Charyulu	Heat transfer process parameter optimization in Si/Ge using Taguchi method	International conference	Emac2013	1st-4th December 2014
4.	P.Prasana Rani M.Tech Assistant Professor	A study on MAC protocol for energy efficient wireless sensor networks	National conference	National conference on advanced computing and pattern recognition	7th-9th January, 2014
5.	P.Prasana Rani M.Tech Assistant Professor	A self organized technique for feature Re weighting in content based Image Retrieval using releavance feedback.	National conference	Nationa Conference on Advanced Signal Processing Applications	20th-21st December, 2013
6.	M.Muthamma M.Tech Assistant Professor	A survey on transmission of data through illumination Li-Fi	International Journal	IJRCCT	DEC-2013
7.	Dr. C. V. Narasimhulu PhD Professor	Smart car Security System using Face Detection System and GPS Module	International Journal	International Journal of Electronics and Communication Technology, Volume-4, Issue-4 .(IJECT)	Oct-Dec2013
8.	Dr.C.V. Narasimhulu PhD Professor	Real Time Security System Using Face Detection And Recongnition system	International Journal	International Journal of Electronics and Communication Technology	Oct 2013
9.	Dr. C. V. Narasimhulu PhD Professor	An Efficient Mining Strategy for The Wireless Surveillance	International Journal	International Journal of Review on Recent Electronics and Computer Science, Volume-1, Issue-5,(IJRREECS)	Sept 2013
10.	Dr. C. V. Narasimhulu PhD Professor	The Flexible BUS Systems Using Zigbee as a Communication Media	International Journal	International Journal of Advanced Research In Computer Science and Software Engineering,, Volume-3, Issue9 (IJARCSSE)	September 2013.
11.	S.Jyothirmaye MTech Associate Professor	low power SAR-ADC in 0.18µm mixed mode CMOS process for bio medical applications.	International Journal	International Organization Of Scientific Research Community Of Researcher.(IOSR Journal)	Sep-oct 2013
12.	A.Shankar M.Tech Associate Professor	Design of Built-in Self-Repair Strategy with Selectable Redundancy for Embedded SRAM	International Journal	International Journal of Research in Computer and Communication Technology	Sep 2013
13.	S.Jyothirmayee M.Tech Associate Professor	Develop and Design of the ATM banking Security system Through Image Processing and GSM Communication	International Journal	International Journal of Computational Engineering Research (IJCER)	Sep 2013
14.	K.Somasekhar Rao ME Professor	Design of Embedded Media Player Based On ARM9	International Journal	International Journal of Computational Engineering Research	Sep 2013

				(IJCER)	
15.	S.Jyothirmayee M.Tech Associate Professor	VLSI Architecture Development for Advanced Encryption Standard	International Journal	International Journal of Engineering & Science Research	Sep 2013
16.	P.Sudhakar M.Tech Associate Professor	Patient Monitoring System using Zig-Bee and Ethernet	International Journal	International Journal Of Reviews On Recent Electronics And Computer Science	Sep 2013
17.	M.Hemalatha Reddy M.Tech Assistant Professor	An efficient mining strategyfor the wireless surviellance	International journal	International Journal of Reviews on Recent Electronis & Computer Science.	
18.	A.Shanker M.Tech Associate Professor	Design of low power SAR-ADC in 0.18µm mixed mode CMOS process	International Journal	International Journal of Research in Computer & Communication Technology, Vol 2.	8th Aug 2013

AY 2012-13					
S. No.	**Name of the Faculty, Qualification & Designation**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Journal / Conferences Details**	**Year of Publishing/ Registered**
1.	Prof D Ramakrishna Rao MTech Professor	Adavnced Night Vision Lidar System	International Conference	International Conference on Navigation and Communication	December 2012
2.	P Sudhakar MTech Associate Professor	Adavnced Night Vision Lidar System	International Conference	International Conference on Navigation and Communication	December 2012
3.	Dr.C.Venkata Narasimhulu PhD Professor	A Non Blind Hybrid Video watermarking Scheme based on Singular Value decomposition and Contourlet Transform	International Conference	Proceedings of International Conference on Advances in Computer Science and Electronics Engineering. ISBN: 978-981-07-5461-7	February 2013
4.	P.Prasana Rani MTech Assistant Professor	A novel method to associate user subjectivity to image database in CBIR	International journal	International journal of computer engineering & technology. (IJCET)	March-April 2013
5.	P.Prasana Rani MTech Assistant Professor	A proposed method for reducing semantic gap in content based image retrieval using images with relevance level.	International journal	International journal of engineering sciences research. (IJESR)	March-April 2013
6.	P.Prasana Rani MTech	A proposed method to		International journal of	April 2013

	Assistant Professor	combine user subjectivity in Image Databases and Interactive CBIR for Relevance Feedback.	International journal	engineering technology and advanced engineering. (IJETAE)	

AY 2011-12					
S. No.	**Name of the Faculty, Qualification & Designation**	**Details of Research Publications**	**International / National Journals/ Conferences**	**Journal / Conferences Details**	**Year of Publishing/ Registered**
1	Prof.B K.Madhavi Ph.D Professor	A CNTFET SRAM cell Design at 32nm Technology for Low Leakage-power	International Conference	International Conference on Electronics Computer Technology (ICECT-2012) (accepted for publication)	April 6-8 2012
2	Prof.B K.Madhavi Ph.D Professor	Design of a 32nm 7T SRAM Cell based on CNTFET for Low Power Operation	International Conference	International Conference on Communication,Network,and Computing (ICDCS-2012) (accepted for publication)	March 15-12 2012
3	Prof.B K.Madhavi Ph.D Professor	Design & Analysis of Conventional SRAM Cell at 32nm Technology Node for Low –Power Embedded systems	National Conference	IETE National Conference on Rcent trends in Communications &Signal Processing Techniques (SANKETA-2012) (accepted for publication)	Jan 2012
4	Prof.B K.Madhavi Ph.D Professor	Design of 32nm Forced Stack CNTFET SRAM Cell for leakage Power Reduction	International Journal	International Journal of Engineering Research and Applications(IJERA) Vol.2, (accepted for publication)	Jan 2012
5	Prof.B K.Madhavi Ph.D Professor	Design of Low Write-Power Consumption SRAM Cell based on CNTFET at 32nm Technolgy	International Journal	International Journal of VLSI Design & Communication Systems (VLSICS),Vol.2,No.4,pp. 167-177	Dec 2011
6	Prof.B K.Madhavi Ph.D Professor	A New Low Power 9T SRAM Cell based on CNTFET at 32nm Technology Node	International Journal	International Journal of Computer Science & Information Technologies,Vol.2(6),pp.2761-2764	Nov-Dec 2011
7	Prof.B K.Madhavi Ph.D Professor	High-Performance Memory Cell Design at 32nm Technology based on CNTFET for Low-Power Embedded Systems	International Journal	International Journal of Advances in Science &Technology ,Vol.3,No.4,pp-52	Oct 2011
8	Prof.B K.Madhavi Ph.D Professor	Resolution and Scaling Video Coding for SOC s in Digital Modeling	International Journal	Published by Elsevier Ltd.selection and /or peer review under responsibility of ICIET 2012	14-15 January 2012
9	P.Sagar Babu M.Tech	Implementation of High Speed Parallel	National Conference		OCT 2011

	Asst.professor	VLSI Architecture For Circular Convolution Based On FNT		Emerging Trends In Signal Processing & Embedded Systems	
10	G.Madhu Mtech Asst professor	An Embedded Solution for Vehicle Automation using Wireless Technology	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
11.	Shaik Mohammed Rafi Mtech Asst professor	An Embedded Solution for Vehicle Automation using Wireless Technology	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
12.	K.Lavan Kumar Mtech Asst professor	An Embedded Solution for Vehicle Automation using Wireless Technology	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
13.	G.Mahalakshmi (Ph.D) Professor	Research Of Qt_Embedded And Embedded Linux Application In The Intelligent	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
14	D.R.V.A Sharath kumar (Ph.D) Associate professor	Asynchronous techniques for low power tunable circuit based on nano scale double based MOSFET	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
15.	A .Srinivas Asst.Professor	Asynchronous techniques for low power tunable circuit based on nano scale double based MOSFET	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
16.	D.Rama Krishna Rao M.Tech Professor	Signal Processing For Atmospheric Wind Profiling Radar	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
17.	P.Sudhakar (Ph.D) Assoc.Professor	Signal Processing For Atmospheric Wind Profiling Radar	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
18.	S.Jyothirmaye M Tech Assoc.Professor	Modified set D Flip Flop	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
19.	M.Muthamma M.Tech Asst.Professor	Modified set D Flip Flop	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
20.	S.Jyothirmaye M Tech Assoc.Professor	Distribution Of Time-Codes Across The Spacewire Computer Network Used In Onboard Spacecraft	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
21.	P.sagar Babu M.Tech Asst.professor	Design And Implementation Of Beat To Beat Blood	National Conference	Emerging Trends In Signal Processing	February 9-10 2012

		Pressure Measurement Using PWTT Method		& Embedded Systems	
22.	A.Padma Priya M.Tech Asst.professor	Design And Implementation Of Beat To Beat Blood Pressure Measurement Using PWTT Method	National conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
23.	A.Ravindar Asst.professor	Design And Implementation Of Beat To Beat Blood Pressure Measurement Using PWTT Method	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
24.	Shaik Mohammed Rafi M.Tech Asst.professor	Role of Wireless Sensor Networks in forest fire prevention	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
25.	K.Lavan Kumar Asst.professor	Implementation of multi-channel UART controller with variable Baud-rates using FIFO Technique	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
26.	P.Prasanna Rani M.Tech Asst.professor	Communication Between Two ECUS In Vehicle Using Of J1939 Protocol	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
27	G.Sahithi Asst professor	Design of a low power CVNS 64-bit adder based on the CLA adder	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
28	N. Sirisha M.Tech Asst.professor	An Efficient Hardware Architecture For Multimedia Encryption And Authentication Using The Discrete Wavelet Transform	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
29	S.Tanmayi Asst.professor	Low power scan testing for test data compression using a routing driven scan architecture	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
30	K.santhosh Kumar Asst.professor	Low power scan testing for test data compression using a routing driven scan architecture	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
31	Dr.B.K.Madhavi Ph.D Professor	Compression Artifacts Removal in Low Bit Rate Image and Video Coding Algorithms	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012

32.	Dr.B.K.Madhavi Ph.D Professor	Design and Analysis of CNTFET-based Logic Gates at Nano Technology	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
33.	D.Rama Krishna Rao M.Tech Professor	Intricacies of Data acquisition and Processing Systems of Atmospheric Radars and lidars	National Conference	Role of RADARS in Atmospheric and ionosphere Studies	Jan 4-5 2012
34.	P.Sudhakar (Ph.D) Assoc.Professor	Intricacies of Data acquisition and Processing Systems of Atmospheric Radars and lidars	National Conference	Role of RADARS in Atmospheric and ionosphere Studies	Jan 4-5 2012
35.	D.Rama Krishna Rao M.Tech Professor	Investigations on the physical and optical properties of cirrus clouds and their relationship with ice nuclei concentration using LIDAR at Gadanki India(13.5N,79.2E	International Journal	National Space Science SYPOSIUM 2012	Jan 14-17 2012
36.	P.Sudhakar (Ph.D) Assoc.Professor	Investigations on the physical and optical properties of cirrus clouds and their relationship with ice nuclei concentration using LIDAR at Gadanki India(13.5N,79.2E	International Journal	National Space Science SYPOSIUM 2012	Jan 14-17 2012
37.	A.shanker M.Tech Assoc.Professor	A Wavelet-based method for Automatic Barcode Character Detection	International Journal	Global Journal of advanced Engineering Technologies Vol 1-Issue1-2012	March 16 2012
38.	K.Somasekhara Rao M.Tech Professor	MEMRISTOR – The missing Element	National Conference	Emerging Trends In Signal Processing & Embedded Systems	February 9-10 2012
39.	A.Padma Priya M.Tech Asst.professor	Built-in –self-Test and Repair Techniques for Embedded RAM's	International Conference	International Conference on Computing,Commu nications, sysytems& Aeronatics(ICCCSA-12)	March 30-31 2012
40.	Payal Guptha M.Tech Asst.professor	Reduction in PAPR Using SLM Techniques on OFDM System	National Conference	National Congress on Communications &computer aided electronic system(NCCCAES2012)	April 20-21 2012

20) Areas of consultancy and income generated:

S.No	Funding Agency	Title	Grants Received	Duration
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR (LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	Rs. 34.58 Lakhs	3 Years

2	AICTE	FDP on "Advanced VLSI System Design"	Rs. 5 Lakhs	2 weeks
3	DST, Govt of India	"Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath"	Rs. 24 lakhs	3 years
4	M/s Ananth Technologies Ltd.	" Design and Development of Lidar system for image processing and optimization".	Rs. 38.8 lakhs	2 years

21) Faculty as members in

a) National committees: Dr. M Satyanarayana is a member of Project Management Council (PMC) of ST (Stratosphere and Troposphere) RADAR Project funded by Department of Science and Technology, Government of India, New Delhi.

- Prof. D Ramakrishna Rao is a member of Monitoring and Reviewing Committee (MRC) of MF (Medium Frequency) RADAR Project of NARL ISRO, Department of Space, Government of India.
- Dr. M Satyanarayana is the Chairman of the Expert Advisory Committee on "Weather Modification through Cloud Seeding" being proposed by Kerala State Electricity Board Limited, Government of Kerala, Trivandrum.
- Dr. M Satyanarayana is a Visiting Professor in the Department Opto Electronics, University of Kerala, Trivandrum.
- Prof. E V L N Ranga Charyulu is a member of R&D and Industrial Coordination Sub-Committee, IETE, Hyderabad.
- Prof EVLN Rangacharyulu Associated with BITS, Pilani – Wipro, work integrated learning program for the past 5 years.

b) International Committees: NIL

c) Editorial Boards:

- Prof. E V L N Ranga Charyulu is a reviewer for **The Applied Computational Electromagnetic Society Journal.**
- Dr. M Satyanarana is currently in the panel as a reviewer for publication in the following journals:
  - ✓ Journal of Applied Remote Sensing, USA.
  - ✓ Journal of Optical Engineering, USA.
  - ✓ The Journal of the Atmospheric Sciences, USA.

d) Professional Body Membership Details:

IETE:

IETE student forum was started in the academic year 2008-09. Guest talks are being organized every semester under this IETE students chapter in order to update the knowledge of students and the faculty members. Other events like Engineers day Celebrations and Faculty Development Programs are also planned in each semester.

Convener: Mr. P Sudhakar

Members: Dr.C. V. Narasimhulu
Prof. D. Ramakrishna Rao
Prof. K. Somasekhara Rao
Mr. P. Sudhakar
Mr. A. Shankar
Mr. D. Venkata Rami Reddy

Mrs. S. Jyothirmaye
Mrs. P.Prasanna Rani
Mrs. V.Venkata lakshmi

IEEE:

IEEE student Branch was started in the academic year 2010-2011. Prof. P. Vijaya Bhaskar –IEEE Member and IEEE Student chapter Coordinator. Dr.Vipula Singh –Member. Planning to conduct workshops and Guest lecturers under IEEE Student Chapter in the current Academic Year.

Convener : Mr. D Venkata Ramireddy

Members: Prof. D. Ramakrishna Rao
Mrs. G Sree Lakshmi

ISTE:

ISTE Student chapter was started in 2011. 10 faculty members joined as life members of the society.

Convener: K V S Nagaraju

Members: Dr.C. V. Narasimhulu
Prof. D. Ramakrishna Rao
Prof. K. Somasekhara Rao
Mr. P. Sudhakar
Mr. A. Shankar
Mr. D. Venkata Rami Reddy
Mrs. S. Jyothirmaye
Mrs. G Sree Lakshmi

22) Student Projects:

a) Percentage of students who have done in-house projects including inter departmental/ programme: 30%
b) Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories/industry/other agencies: 70%

23) Awards / Recognitions received by faculty and students:

a) Faculty:

P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana , "Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India" ISPRS TC VIII International Symposium on Operational Remote Sensing Applications: Opportunities, Progress and Challenges, Hyderabad, December 9-12, 2014.
[This presentation has been selected as the 3rd best in the Symposium]

b) Students:

- The scholarship is provided to the topper in branch for all years of students.
- The following are details of ECE students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

2013-14

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize money
1	I-YEAR	13R11A04D9	Priyanka Solanki	85.3	First	3000
		13R11A04E0	P Niharika	82.6	Second	3000
		13R11A0407	B Vineeth Reddy	80.1	Third	3000
		13R11A0413	D Shushma	80	Fourth	3000
2	II-YEAR	12R11A04H0	Surapaneni Sai Teja	86.83	First	3000
		12R11A04D9	I Uma Maheshwari	86.5	Second	3000
		12R11A04C6	Arugonda Sahithya	81.28	Third	3000
3	III-YEAR	11R11A0426	K Ramini	84.84	First	3000
		11R11A04B8	V Soumya	82.64	Second	3000
4	IV-YEAR	10R11A0413	Dasari Dinesh Reddy	88.22	First	7000
		10R11A1282	Gopu Supriya	81.6	Second	3000

2012-13

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize money
1	I-YEAR	12R11A04H0	Surapaneni Sai Teja	88.6	First	7000
		12R11A04D9	I Uma Maheshwari	87	Second	3000
2	II-YEAR	11R11A0413	Chintham Muni Shree Anjusha	86	First	7000
		11R11A0426	K Ramani	84	Second	3000
3	III-YEAR	10R11A0413	Dasari Dinesh Reddy	78.96	First	7000
		10R11A04B5	Sowmya Dixit	76.05	Second	3000
4	IV-YEAR	09R11A04B7	Vinnakota Sarath Sankar	83.86	First	7000
		09R11A0484	Gottiparthy Asritha	83.16	Second	3000

2011-12

S.No	Year	Roll No	Name Of The Student	%	Rank	Prize Money
1	I-YEAR	11R11A04A3	Paturu Nikitha	84.6	First	10,000
2	II-YEAR	10R11A0413	Dasari Dinesh Reddy	83.38	First	10,000
3	III-YEAR	09R11A04A0	Nallavelli Mamatha	82.71	First	10,000
4	IV-YEAR	08R11A0421	Godavari Sirisha	88.62	First	10,000

2010-11

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money
1	I-YEAR	10R11A0413	Dasari Dinesh Reddy	88.6	First	10,000
2	II-YEAR	09R11A0492	Karan G Patel	86	First	10,000
3	III-YEAR	08R11A0405	A V Haritha	85.13	First	10,000
4	IV - YEAR	07R11A0406	K Aparna	84.53	First	10,000

24) List of eminent academicians and scientists/visitors to the department (in the last four years)

Sl. No.	Module Description	Any other contributory Inst./Industry	Duration	Resource persons	Target Audience	Uses
Academic Year 2014-15						
Conferences						
1	National Conference on Latest Trends in Signal Processing, VLSI andEmbedded Systems	**--**	20/06/2014 & 21/06/2014	1.P.Chandra sekher Technique Design Group,Hyderabad 2.B.Anand Subramanyam Control Tech, Hyd. 3.A.Sarveswara Rao DMRL ,Hyderabad4.D.Ramakrishnarao Geethanjali College of Engeenering and Technology	Academicians, Researchers ECE Faulty and Students	Exposure to research trends in signal processing
Workshops						
1	Applications of DSP/DIP using lab view.	INTELLO Global solutions	Two days (24&25-09-2014)	G.Karthik P.Vamshi Krishna	IV-ECE	To develop test, control, and measurement applications.
Guest Lecture						
1	Circuit to System Level Practical Microwave Education	IEEE Hyderabad Section MTT/AP/EMI Society	One Day (27-10-2014)	Dr.S.K.Koul IIT, Delhi	ECE Faculty	Design of Microwave circuits, components, and systems.
2	Applications of Signal Processing and Speech Processing.	---	One Day (11-09-2014)	Dr. Anil Kumar Vuppala -IIIT, Hyderabad	IV ECE	Application of digital signal processing principles and practices in speech signal processing domain. An emphasis was made on speech and image processing applications.
3	Antennas and Wave Propagation	---	One Day (15-07-2014)	Prof.B.Hari Kumar Bandari Institute of Science & Tech.	III ECE	To design antennas like Yagi-uda and folded dipole.

FDPs						
1	Electro Magnetic Theory and Transmission Lines with Emphasis on MATLAB and ANSYS	ISTE Hyderabad	5 Days (22-12-2014 to 27-12-2014)	1.Dr. V.M Pandari Pande, Professor & Vice Chancellor of Dr. BAMU, Ahmedabad. 2. Dr. PVD Somasekhar Rao, Professor of ECE, JNTUH. 3. Dr. K Srinivas Rao, Professor of ECE, CBIT, Hyderabad. 4. Sri Sai Ram. IITH, Hyderabad. 5. Dr. NVSN Sarma, NIT, Warangal. 6. Dr. Raghavendra Rao, Scientist 'G', RCI. 7.Dr. V Sarala, Scientist 'F', RCI. 8. Dr. M Chakravarthy, Scientist 'G', DLRL 9. Dr. SVSSNGK Murthy, DIAT, Pune. 10. Prof. EVLN Rangacharyulu, Professor, ECE, GCET.	ECE Faculty	Awareness and how to handle topics effectively on: • Electrostatics • Magnetostatics, • Wave propagation, Reflection and Refraction in Dielectric Media • Impedance Matching of LNA using AOS • Maxwells Equations • Smith Chart • Electromagnetics Applications through Matlab Numerical Methods in Electromagnetics
2	"Advanced EDA Tools and Latest Equipments"	---	Two Days (16-12-2014 & 17-12-2014)	Technical persons from DLRL, National Instrumentation, Trident Tech Labs, Physitech Electronics	Technical staff from various colleges	
Academic Year 2013-14						
Workshops						

1	One day project exhibition ' techexpo14'	-	1st march 2014	-	2nd ,3rd 4th year students	--
2	Five Day Workshop on "VLSI system design & programming"	IETE	18th -22th February 2014	Seer academy	IVYear ECE Students	To improve VLSI programming skills
3	Two Day Workshop on "PCB Design and Fabrication"	ISTE	27th -28th December 2013	PGP Electronics Pvt. Ltd.	II Year ECE Students	To Design PCB
FDPs						
1.	Latest trends and Developments in Microprocessor Applications	--	20-02-2014 to 22-02-2014	Technical Persons from Companies		• Intel latest processor and their features • RTOS requirement for Embedded Systems • PSoC Architecture • Latest trends in SCADA Systems
2	Technical Staff Development Program	-	20-12-2014 to 22-12-2014	Technical persons from DLRL, National Instrumentation ,Trident Tech Labs, Physitech Electronics	Technical staff from various colleges	• Lab View Software • MATLAB • XILLINX • Embedded Systems • Digital storage Oscilloscope,Spectrum Analyzer
Guest Lecture						
1.	Pattern recognition application in digital image processing	-	26-02-2014	Dr.P.Narahari sastry Professor-ECE-CBIT	IV – ECE Students	Applications in digital image processing
2	Recent Trends in Operating System	--	04-02-2014	Dr. K. Venugopal, Professor,GNIST,Hyderabad	III-ECE Students	Operating Systems
3	ARDUINO Environment for Embedded System	--	24-01-2014	Prof. C.R. Sharma, Dept. of ECE,SVIT,Hyderabad	III-Year ECE Students	AURDINO for Designing of Embedded System

4	Introduction to Digital Signal Processing	--	06-01-2014	Dr. K.Subba Rao, HOD,ECE,CBIT,Hyderabad	IV-ECE Students	Introduction to Digital Signal processing
5	Image Processing and Its Applications	--	25-07-2013	Dr.K.M.M.Rao ,Formally Deputed Director,NRSC	IV B.Tech ECE Students	Advancement in Image Processing and usage.
6.	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	--	21-12-2013	Dr.P.Mamatha NCCCM/BARC Hyderabad	II and IV ECE Students	Design and development of Eco friendly Electronic Systems.
7	Nano electronics & low power electronics	--	19-12-2013	Dr.M.Jagadesh Kumar IITD	III and IV ECE Students	To educate students in VLSI technology.
8	Motivating Students in reaching Their Goals	--	17-09-2013	Mr. Syed Noor,Md.Shakir, ETS, Hyderabad	IV B.Tech ECE Students	To motivate students in reaching their goals.
Academic Year 2012-13						
Workshops						
1	One day Workshop on " Outcome based Engineering Education for Enhanced Employability"	--	25-01-2013	Dr. P. G.Shastri, Rtd. Prof. NIT Warangal	All ECE Faculty	To understand the difference between PO's and PEO's.
2	Two day workshop on "Image Processing Robotics"	--	12-10-2012 & 13-10-2012	Engineers From Roboquest, Bangalore (04 members)	All ECE Students	Applications of Image Processing and Trends on ROBOTICS.
3	Three Day Workshop on "Simplified VLSI Design using" CADENCE Tools"	--	20-09-2012 To 22-09-2012	Mr. Debosish Patra From CADENCE Tools team	IV ECE Students	Design of Analog and Digital circuits with CADENCE Tool.
4	Motivating students in reaching their goals.	--	10-09-2012	Mr. Syed Noor,Md.Shakir, ETS, Hyderabad	IV ECE Students	To motivate students in reaching their goals**.**

5	One day workshop on ROBOTICS	--	17-08-2012	Auto Nikka club, GCET	ll ECE Students	Emerging trends in Robotics.
FDPs						
1.	Advanced VLSI System Design	AICTE	17 – 06 – 2013 to 29 – 06 - 2013	CADENCE	ECE, EEE, CSE Faculty	Anal^{og} and Mixed Signal design tools
2	Refreshment course on EDC	-	17 – 06 – 2013 to 28 – 06 - 2013	Professors from SNIST, MVRSIT, ACE,GCET	Faculty of ECE Dept.	EDC course as per JNTUH
3	"Blooms Taxonomy"		07-07-2012	Mr. K. Mahender, Asst. Prof. ,EEE	Jr. Faculty	
4	1. Teaching Methodologies 2. Blooms Taxonomy "		30-07-2012	Dr.L.Mrudula, I/C-CACHE Prof.N.V.L.Addanki, HOD, EEE	All Faculty	
5	"CADENCE & Mentor Graphics"		25-6-2012 & 26-6-2012	Mr.E.Debasish Patra Mr. Manash Raiguru From CADENCE Tools team	ECE Faculty	
6	Value Orientation programme for Teachers		21-6-2012 & 22-6-2012	Swami Jnanadananda, Director, Ramakrishna math.	All Faculty	
7	"Mentoring of Mentors"		16-6-2012	Mr. George Reddy.	All Faculty	
Guest Lectures						
1	Baseband to Band pass Communication Systems	--	27-02-2013	Dr.P.Srihari, Prof. & HOD, EIE, GITAM University-HYD	All ECE Students	Useful in Digital Communications(ASK,FSK and PSK)
2	Technical Problems faced by Electronic Engineers in Industries	--	18-01-2013	Sri. V.Srihari, CEO, Sitra Infotech, Hyderabad	All ECE Students	To fill the gap between industry and institute.
3	Space Borne Instrumentation	--	05-10-2012	Dr. Syed Maqbool Ahmed, Prof. In Central	II ECE Students	Instrumentation applications in Space.

				University		
4	Field Aspects of Electrical Engineering	--	26-09-2012	Sri. P. Kondanda Ramaiah, Retd.CE,APSEB	All ECE and EEE Student	
5	Awareness for Employability & Enhancing skills for employability	--	17-08-2012	ASPIRING MINDS ASSESSMENT	IV ECE Students	How to with stand in the market.
6	Science Direct	--	01-08-2013	Elsevier Members	IV ECE Students	To highlight the effective usage of Science Direct.
Academic Year 2011-12						
Conference						
1	National Conference on Emerging Trends in Signal Processing & Embedded Systems	ISTE	09/02/2012 & 10/02/2012	Dr. N. Satyanarayana Dean Academics CMRCET	IV Year ECE	Exposure to research trends in signal processing
Workshops						
1	Workshops on Project work on ARM	ISTE	21/03/2012	Unistring Tech Solutions	IV Year ECE	Design of Embedde Systems using ARM Processor
2	Workshops on Advanced Real time systems Development using PSOC	ISTE	20/08/2011	Unistring Tech Solutions	IV Year ECE & M.Tech	Design of Embedde Systems using PSoC
FDPs						
1	Faculty development programme for Junior Faculty	--	22-6-11 to 24-06-2011	1.Prof.K.Ravichandra 2.Prof.C.Vijayasree3.Prof.PSN Reddy 4.Prof.JV ubrahamanyam 5.G.Padmaja	All Dept. Faculty	
2	”Stress management, time management , How to be a good teacher”	--	1-7-2011 to 2-7-2011	1.Swamy Bodhamayanan da 2. Mr. Joshi 3. Mr.Balaji Sukumar 4.Mr.G.Ramakrishna 5.Prof.V.	ALL FACULTY	

				Vishwanadham 6.Dr.Kumar		
Guest Lectures						
1	Latest Trends in Wi-Fi Equipment	ISTE	17/02/2012	Mr. K. Rajesh, Chief Design Engineer, Ubiquiti Networks,San Jose, California, U.S.A	III Year ECE	Latest Trends in Wi-Fi Technology
2	Success story of Chandrayan	ISTE	10/08/2011	Dr. Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad	All ECE Stude nts	Chandrayan
3	Technology Awareness	ECE Lochan	02.08.2011	Dr. Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad	II Year ECE	
4	Personality Development and Leadership Skills	ECE Lochan	18.07.2011	Dr. Garikapati Narasimha Rao Mahasahasrava dhani	II Year ECE Stude nts	To Develop good inter personal skills and Leadership Skills
5	Speech Signal Processing using Artificial Neural networks	ECE Lochan	15.07.2011	Dr. Suryakanth V Ganga Shetty, IIT, Hyderabad	IV Year ECE	Advances in Speech & Signal processing

25. Seminars/ Conferences/Workshops organized & the source of funding:

S.No	Seminars/ Conferences/Workshops organized	Dates conducted on	Funding Agency
Conferences			
1.	National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	20/06/2014 & 21/06/2014	Institute
2.	National Conference on Emerging Trends in Signal Processing & Embedded Systems	09/02/2012 & 10/02/2012	Institute
Workshops			
3.	Applications of DSP/DIP using Lab View	24/09/2014 & 25/09/2014	Institute
4.	One day project exhibition ' techexpo14'	01/03/2014	Institute
5.	Five Day Workshop on "VLSI system design & programming"	18/02/2014 to 22/02/2014	Institute
6.	Two Day Workshop on "PCB Design and Fabrication"	27/12/2013 to 28/12/2013	Institute
7.	One day Workshop on " Outcome based Engineering Education for Enhanced Employability"	25/01/2013	Institute
8.	Two day workshop on "Image Processing Robotics"	12-10-2012 & 13-10-2012	Institute

9.	Three Day Workshop on "Simplified VLSI Design using" CADENCE Tools"	20/09/2012 to 22/09/2012	Institute
10.	Motivating students in reaching their goals.	10/09/2012	Institute
11.	One day workshop on ROBOTICS	17/08/2012	Institute
12.	Workshops on Project work on ARM	21/03/2012	Institute
13.	Workshops on Advanced Real time systems Development using PSOC	20/08/2011	Institute
Seminars (Guest Lectures)			
14.	Distinguished Lecture on Application of Microwave	27/10/2014	Institute
15.	Applications of Signal Processing and Speech Processing.	11/09/2014	Institute
16.	Antennas and Wave Propagation	15/07/2014	Institute
17.	Pattern recognition application in digital image processing	26/02/2014	Institute
18.	Recent Trends in Operating System	04/02/2014	Institute
19.	ARDUINO Environment for Embedded System	24/01/2014	Institute
20.	Introduction to Digital Signal Processing	06/01/2014	Institute
21.	Image Processing and Its Applications	25/07/2013	Institute
22.	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	21/12/2013	Institute
23.	Nano electronics & low power electronics	19/12/2013	Institute
24.	Motivating Students in reaching Their Goals	17/09/2013	Institute
25.	Baseband to Band pass Communication Systems	27/02/2013	Institute
26.	Technical Problems faced by Electronic Engineers in Industries	18/01/2013	Institute
27.	Space Borne Instrumentation	05/10/2012	Institute
28.	Field Aspects of Electrical Engineering	26/09/2012	Institute
29.	Awareness for Employability & Enhancing skills for employability	17/08/2012	Institute
30.	Science Direct	01/08/2013	Institute
31.	Latest Trends in Wi-Fi Equipment	17/02/2012	Institute
32.	Success story of Chandrayan	10/08/2011	Institute
33.	Technology Awareness	02/08/2011	Institute
34.	Personality Development and Leadership Skills	18/07/2011	Institute
35.	Speech Signal Processing using Artificial Neural networks	15/07/2011	Institute

26) Student profile programme/course wise: (Details of both B.Tech and M.Tech Program required).

Year	Name of the Course/ Program	Selected (No. of Students Admitted including Lateral Entry	No. of Students Enrolled		Pass Percentage
			Male	Female	
2014-18	B.Tech	234	121	113	--
2013-17		203	110	93	--
2012-16		194	118	76	--
2011-15		129	76	53	--
2010-14		128	75	53	94.87
2009-13		132	84	48	94.69
2008-12		130	78	52	96.15
2014-16	M.Tech - ES	28	20	8	--
2013-15		27	17	10	--
2012-14		17	10	7	76.4
2011-13		16	11	5	75
2010-12		10	6	4	70
2014-16	M.Tech - ECE	14	8	6	--
2013-15		16	11	5	--

2012-14		13	9	4	76.9
2011-13		7	4	3	71.4
2010-12		14	6	8	71.4
2014-16	M.Tech - VLSI	15	6	9	--
2013-15		18	12	6	--
2012-14		12	4	8	**75**

Admissions are through EAMCET/ ECET/ GATE/ PGECET counseling.

27) Diversity of Students: (Details of both B.Tech and M.Tech Program required).

Year	Name of the Course/ Program	% students from the same state	% students from the other state	% of students from abroad
2014-18	B.Tech - ECE	100	0	0
2013-17		100	0	0
2012-16		100	0	0
2011-15		100	0	0
2010-14		100	0	0
2009-13		100	0	0
2008-12		100	0	0
2007-11		100	0	0
2006-10		100	0	0
2005-09		100	0	0
2014-16	M.Tech - ES	100	0	0
2013-15		100	0	0
2012-14		100	0	0
2011-13		100	0	0
2010-12		100	0	0
2014-16	M.Tech - ECE	100	0	0
2013-15		100	0	0
2012-14		100	0	0
2011-13		100	0	0
2010-12		100	0	0
2014-16	M.Tech - VLSI	100	0	0
2013-15		100	0	0
2012-14		100	0	0

28) How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Name of the Competitive Exam	No. of Students Qualified			
	2014-15	2013-14	2012-13	2011-12
GATE/ PGCET	10	3	7	2
GRE / CAT/ TOEFL / GMAT	14	7	17	13
Civil Services	-	-	-	-
Defence Services	-	-	-	-
Public Service sectors	-	-	-	-
Total	24	10	24	15

29) Student progression:

Student Progression	Against % Enrolled			
	2014-15	2013-14	2012-13	2011-12
UG to PG	24	10	24	15
PG to M.Phil	-	-	-	-
PG to Ph.D	-	-	-	-
Ph.D to Post Doctoral	-	-	-	-
Employed • Campus Selection • Other than Campus Recruitment	 75 -	 41 2	 94 -	 36 -
Entrepreneurship/ Self-employment	-	-	-	-

30) Details of Infrastructural facilities

a) Library:

No. of Titles	No. of Volumes	No. of Computers	Library Plinth Area
359	367	1	15.6sqm

b) Internet facilities for Staff & Students:

Each faculty room is equipped with computers and internet connections. All systems in Labs and Department are provided with internet facility.

Internet Service Providers:

a) Apollo Communication (P) Ltd - (22 Mbps)
b) Excel Media (P) Ltd - (8 Mbps)

c) Laboratories:

S.No.	Program	Name of the Lab	Block	Room No	Area
1	UG	EDC / PDC Lab	I	105	108 Sq.Mtrs
2	UG	MP & MC Lab	I	102	66 Sq.Mtrs
3	UG	BS Lab	I	104	66 Sq.Mtrs
4	UG	IC Applications Lab	I	114	105 Sq.Mtrs
5	UG	AC Lab	I	117	80 Sq.Mtrs
6	UG	EDC Lab	I	214	104 Sq.Mtrs
7	UG	MW & DC Lab	I	315	105 Sq.Mtrs
8	UG	DSP Lab	II	R207	66 Sq.Mtrs
9	UG	DSP Lab	II	R208	66 Sq.Mtrs
10	UG	ECAD & VLSI	II	R209	66 Sq.Mtrs
11	UG	ECAD & VLSI	II	R210	66 Sq.Mtrs
12	PG	Signal Processing & Advanced Communications Lab	I	317	66 Sq.Mtrs
13	PG	VLSI-I, VLSI-II	I	318	66 Sq.Mtrs
14	PG	EMBEDDED SYSTEMS	I	101	66 Sq Mtrs
15	PG	R&D	I	316	66 Sq.Mtrs

f) Faculty Rooms

S.No.	Name	Area (Sq. m)
1	Staff Room-1	92 Sq Mtrs
2	Staff Room-2	252 Sq Mtrs
3	Staff Room	252 Sq Mtrs
4	HOD	18 Sq Mtrs
5	HOD Office	6.7 Sq Mtrs
6	Department Library	15.6 Sq Mtrs
7	Senior Faculty Room	51 Sq Mtrs

31) Number of students receiving financial assistance from college, university, government or other agencies.

No	Name of Agency	No. of Students Received Financial Assistance			
		2014-15	2013-14	2012-13	2011-12
1	Govt. of AP	**345**	**298**	**223**	**176**
2	JNTUH	**-**	**-**	**-**	**-**
3	GCET	**11**	**8**	**4**	**4**
4	Others	**-**	**-**	**-**	**-**

32) Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Sl. No.	Module Description	Any other contributory Inst./Industry	Duration	Resource persons	Target Audience	Uses
Academic Year 2014-15						
Workshops						
1	Applications of DSP/DIP using lab view.	INTELLO Global solutions	Two days (24&25-09-2014)	G.Karthik P.Vamshi Krishna	IV-ECE	To develop test, control, and measurement applications
Guest Lectures						
1	Circuit to System Level Practical Microwave Education	IEEE Hyderabad Section MTT/AP/EMI Society	One Day (27-10-2014)	Dr.S.K.Koul IIT, Delhi	ECE Faculty	Design of Microwave circuits, components, and systems.
2	Applications of Signal Processing and Speech Processing.	---	One Day (11-09-2014)	Dr. Anil Kumar Vuppala -IIIT, Hyderabad	IV ECE	Application of digital signal processing principles and practices in speech signal processing domain. An emphasis was made on speech and image processing applications.

3	Antennas and Wave Propagation	---	One Day (15-07-2014)	Prof.B.Hari Kumar Bandari Institute of Science & Tech.	III ECE	To design antennas like Yagi-uda and folded dipole.
Academic Year 2013-14						
Workshops						
1	One day project exhibition ' techexpo14'	-	1st march 2014	-	2nd ,3rd 4th year students	--
2	Five Day Workshop on "VLSI system design & programming"	IETE	18th -22th February 2014	Seer accadamy	IVYear ECE Students	To improve VLSI programming skills
3	Two Day Workshop on "PCB Design and Fabrication"	ISTE	27th -28th December 2013	PGP Electronics Pvt. Ltd.	II Year ECE Students	To Design PCB
Guest Lecture						
1.	Pattern recognition application in digital image processing	-	26-02-2014	Dr.P.Narahari sastry Professor-ECE-CBIT	IV –ECE Students	Applications in digital image processing
2	Recent Trends in Operating System	--	04-02-2014	Dr. K. Venugopal, Professor,GNIST,Hyderabad	III-ECE Students	Operating Systems
3	ARDUINO Environment for Embedded System	--	24-01-2014	Prof. C.R. Sharma, Dept. of ECE,SVIT,Hyderabad	III-Year ECE Students	AURDINO for Designing of Embedded System
4	Introduction to Digital Signal Processing	--	06-01-2014	Dr. K.Subba Rao, HOD,ECE,CBIT,Hyderabad	IV-ECE Students	Introduction to Digital Signal processing
5	Image Processing and Its Applications	--	25-07-2013	Dr.K.M.M.Rao,Formally Deputed Director,NRSC	IV B.Tech ECE Students	Advancement in Image Processing and usage.
6.	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	--	21-12-2013	Dr.P.Mamatha NCCCM/BARC Hyderabad	II and IV ECE Students	Design and development of Eco friendly Electronic Systems.
7	Nano electronics & low power electronics	--	19-12-2013	Dr.M.Jagadesh Kumar IITD	III and IV ECE Students	To educate students in VLSI technology.

8	Motivating Students in reaching Their Goals	--	17-09-2013	Mr. Syed Noor,Md.Shakir, ETS, Hyd.	IV B.Tech ECE Students	To motivate students in reaching their goals.
Academic Year 2012-13						
Workshops						
1	One day Workshop on " Outcome based Engineering Education for Enhanced Employability"	--	25-01-2013	Dr. P. G.Shastri, Rtd. Prof.NIT Warangal	All ECE Faculty	To understand the difference between PO's and PEO's.
2	Two day workshop on "Image Processing Robotics"	--	12-10-2012 & 13-10-2012	Engineers From Roboquest, Bangalore (04 members)	All ECE Students	Applications of Image Processing and Trends on ROBOTICS.
3	Three Day Workshop on "Simplified VLSI Design using" CADENCE Tools"	--	20-09-2012 To 22-09-2012	Mr. Debosish Patra From CADENCE Tools team	IV ECE Students	Design of Analog and Digital circuits with CADENCE Tool.
4	Motivating students in reaching their goals.	--	10-09-2012	Mr. Syed Noor,Md.Shakir, ETS, Hyd.	IV ECE Students	To motivate students in reaching their goals.
5	One day workshop on ROBOTICS	--	17-08-2012	Auto Nikka club, GCET	ll ECE Students	Emerging trends in Robotics.
Guest Lectures						
1	Baseband to Band pass Communication Systems	--	27-02-2013	Dr.P.Srihari, Prof. & HOD, EIE, GITAM University-HYD	All ECE Students	Useful in Digital Communications(ASK,FSK and PSK)
2	Technical Problems faced by Electronic Engineers in Industries	--	18-01-2013	Sri. V.Srihari, CEO, Sitra Infotech, Hyderabad	All ECE Students	To fill the gap between industry and institute.
3	Space Borne Instrumentation	--	05-10-2012	Dr. Syed Maqbool Ahmed, Prof. In Central University	II ECE Students	Instrumentation applications in Space.
4	Field Aspects of Electrical Engineering	--	26-09-2012	Sri. P. Kondanda Ramaiah,Retd. CE,APSEB	All ECE and EEE Student	

5	Awareness for Employability & Enhancing skills for employability	--	17-08-2012	Aspiring Minds Assessment	IV ECE Students	How to with stand in the market.
6	Science Direct	--	01-08-2013	Elsevier Members	IV ECE Students	To highlight the effective usage of Science Direct.
Academic Year 2011-12						
Workshops						
1	Workshops on Project work on ARM	ISTE	21/03/2012	Unistring Tech Solutions	IV Year ECE	Design of Embedde Systems using ARM Processor
2	Workshops on Advanced Real time systems Development using PSOC	ISTE	20/08/2011	Unistring Tech Solutions	IV Year ECE & M.Tech	Design of Embedde Systems using PSoC
Guest Lectures						
1	Latest Trends in Wi-Fi Equipment	ISTE	17/02/2012	Mr. K. Rajesh, Chief Design Engineer, Ubiquiti Networks,San Jose, California, U.S.A	III Year ECE	Latest Trends in Wi-Fi Technology
2	Success story of Chandrayan	ISTE	10/08/2011	Dr. Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad	All ECE Students	Chandrayan
3	Technology Awareness	ECE Lochan	02.08.2011	Dr. Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad	II Year ECE	
4	Personality Development and Leadership Skills	ECE Lochan	18.07.2011	Dr. Garikapati Narasimha Rao Mahasahasravadhani	II Year ECE Students	To Develop good inter personal skills and Leadership Skills
5	Speech Signal Processing using Artificial Neural networks	ECE Lochan	15.07.2011	Dr. Suryakanth V Ganga Shetty, IIT, Hyderabad	IV Year ECE	Advances in Speech & Signal processing

33) Teaching methods adopted to improve student learning:

- Visual teaching methods like OHP sheets, video lectures, NPTEL lectures, YouTube videos etc.
- Faculty members prepare Course files & lecture notes for all subjects
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Department conducts course specific guest lectures by experts.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Electronic Systems.
- Students are given Assignments, encouraged to participate in Group Discussions for better understanding of the course topics.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- During regular sessions, the students are trained in college for campus recruitments through a program called CRT (Campus Recruitment Training) and at present these classes are conducted by Triumphant Institute of Management Education (TIME) Hyderabad.
- Institute periodically conducts technical events like BHASWARA, Tech.Expo etc., for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, IETE, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- Students are allowed to do mini projects and major projects making use of the college infrastructure and also are encouraged to take-up internship in reputed organizations.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.

34) Participation in Institutional Social Responsibility (ISR) and Extension activities:

Major part of this responsibility is undertaken by **NSS unit:**

NSS unit of our college is undertaking activities like Blood Donation Camps, visits to Orphanages, Medicine Distribution, Children's Day Celebrations, Driving Rules Awareness Camp, Fire Demo, Meditation and Yoga Program, Clean and Green program, Man & Environment activity programme creates awareness in people with respect to their role in developing hygienic environment. AIDS awareness camp and vaccination programmes are also conducted periodically.

Some of the activities done by NSS unit are:

Academic Year: 2014-2015

S. No.	Date	Activity
1	31/07/2014	Bachpan Bahavo– our students participated in 'save children' program at Necklace Road.
2	16/07/2014	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education
3	16/08/2014	Distribution of sports materials to Primary and high school students and deputing our PD and gave training in various sports and games
4	06/09/2014	Conducted Computer training classes to High school students for 4 weeks duration by our CSE department faculty
5	05/09/2014	Dental camp was conducted for Cheeryal villagers and school children
6	30/10/2014	Swatchh Bharath – program as a part of clean and green environment was conducted.
7	14/11/2014	Children Park equipment was provided to the Cheeryal Gram Panchayat and entertainment program was given to the kids of the village.
8.	24/01/2015	Blood donation camp was conducted by NSS Unit at GCET
9.	27/03/2015	Health camp was conducted for cherryal villagers at GCET

The activities taken up in the earlier academic years are:

Academic Year	Activity Name	Venue	Date(s) conducted on	No. of Participants
2013-14	Blood Donation Camp	GCET	21-09-2013	123
2012-13	This year the NSS unit of the college has organized two blood donation camps. Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.			
2011-12	Blood donation camp by Lions Club of Hyderabad, Jubilee Hills	GCET	13-04-2012	204
	Eye Camp for the villagers of Cheeryal and Yadgarpalli	GCET	03-03-2012	200
	Collection & Distribution of 300 note books to school children	GCET	19-12-2011	-
	DIYA (Lightning function) (Amount collected was donated to orphan organization)	GCET	24-10-2011 and 25-10-2-2011	400
	Collection & Distribution of 116 note books to school children	GCET	11-08-2011	-
	GENESIS 2011-HIV AIDS awareness progamme	GCET	26-07-2011	II & III B.Tech Students
2010-11	Meditation course	GCET	20-04-2011	I BTech CSE-A&B and IT-A&B students
	Special camp: • Tree plantation • Cleaning activities	Sai dhamam, Keesara	14-04-2011 to 19-04-2011	54

	Blood donation camp by Lions Club of Hyderabad, Jubilee Hills	GCET	11-02-2011	180
	Clean and Green programme	GCET	10-02-2011	50
	Yoga course	GCET	08-02-2011	I BTech ECE-A&B and EEE students
	Awareness about the hazards of chemical explosives used in crackers and environmental pollution	GCET	09-11-2011	10
	Awareness programme on eco-friendly clay idols of Lord Ganesh and distribution of Idols	GCET	03-09-2010	20
	Blood donation camp by Indian Red Cross Society, Mahaboobnagar Dt.	GCET	28-08-2010	195
	Presentation on" Billion minutes of Good wishes" by Brahmakumari Institute	GCET	21-07-2010	200

35) SWOC analysis of the department and Future plans

After several brain storming sessions, we have identified the following strengths, weaknesses, opportunities and challenges of ECE department

Strengths

- One completed project funded by DST
- A good number of projects have been proposed and reviews are in process
- Well equipped and well maintained laboratories
- Good Library Facility
- Steadily increasing research culture by way of faculty publications
- Adequate number of qualified and experienced faculty
- High potential researchers
- Practical and application oriented teaching and internships in various industries
- Good teamwork and co-operation among faculty members and non-teaching staff.

Weaknesses

- Lesser number of faculty with PhD at middle cadre
- Long term planning to achieve the goals with existing infrastructure and equipment
- Lack of interdisciplinary interface with other departments or institutions
- Insignificant collaboration with institutions of Academic excellence/ universities
- Negligible collaboration with industry
- Lack of core company placements

Opportunities

- Encourage and conduct research in multidisciplinary areas in close connection with industry

- Motivate and guide younger faculty to pursue research
- Enhance employability of students through a stronger industry institute interaction

Challenges

- Mushrooming growth of engineering colleges
- Uplifting the academic standards of the students to meet industrial requirements, since, increased number of seats in colleges of long standing resulting in students with less motivation and with relatively low/poor ranks in the qualifying examination taking admission in the college.
- Achieving the placements in core companies

Future Plans

- To undertake Research and Development on large scale involving faculty from all departments.
- To achieve 100% placements.
- To prepare the students to go for higher studies in well reputed institutes like IITs.
- To improve the pass percentage to 100%.
- To improve the faculty retention.
- To establish a centre of excellence in Communication field.

<<<>>>

Evaluation Report
of
EEE Department

Evaluation Report of the Electrical and Electronics Engineering (EEE) Department:

1. Name of the department: Electrical and Electronics Engineering

2. Year of Establishment: 2005

3. Names of Programmes / Courses offered:

UG: B. Tech: Electrical and Electronics Engineering

PG: M. Tech: Power Electronics (Started in 2014)

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system (programme wise):

UG Program: I Year: Annual & II, III, IV Years: Semester Based

PG Program: I &II Year: Semester Based

6. Participation of the department in the courses offered by other departments:

Faculty will cater their services to other departments to satisfy the academic requirements of department specific subjects.

S.No	Department Name	Course offered by other departments
1	ECE	Principles of Electrical Engineering
2	ECE	Electrical Technology Lab
3	ECE	Electrical Circuits
4	ECE	Control Systems Engineering
5	CSE	Basic Electrical Engineering
6	IT	Basic Electrical Engineering
7	CSE	Electrical and Electronics Lab
8	IT	Electrical and Electronics Lab
9	MECH	Electrical and Electronics Engineering
10	MECH	Electrical and Electronics Engineering Lab
11	CIVIL	Electrical and Electronics Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	**1**	**1**
Associate Professors	**3**	**4**
Assistant Professors	**11**	**10**
Total	**15**	**15**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,):

S. NO	Name	Designation	Qualification	Specialization	Experience		
					T	I	R
1	Dr. Sudha Radhika	Professor & HOD	Ph.D	WE	3.9	1.6	2
2	N.Venkata Bharadwaj	Assoc. Prof	M.Tech, MBA	Industrial Drives & Control	5	9	-
3	G.Srikanth	Assoc. Prof.	M.Tech	Power Electronics and Industrial Drives	9	2	-
4	D.Radhika	Assoc. Prof.	M.Tech.	Power Systems	14.5	-	-
5	K.Mahender	Assoc. Prof.	M.Tech	Power Systems	7	-	-
6	D. Krishna	Asst. Prof.	M.Tech	Control Systems	8	-	-
7	Voleti Padmaja	Asst. Prof.	M.Tech	Power Electronics	5	-	-
8	N.Santhinath	Asst.Prof.	M.Tech	Power Systems	8	-	-
9	Azra Zaineb	Asst. Prof.	M.Tech	Power Systems	4.5	5.5	-
10	B.Ramesh Babu	Asst. Prof.	M.Tech	Power Systems	4		-
11	S.Poornachander Rao	Asst.Prof.	M.Tech	Power Systems	5	-	-
12	T. Pooja Rani	Asst. Prof.	M.Tech	Power Systems	5	-	-
13	M. Pradeep	Asst. Prof	M.Tech	Power Systems	-	2.5	-
14	V. Rakesh	Asst. Prof	M.Tech	Power Systems	-	-	-
15	Manjul Khare	Asst. Prof.	M.E	Power Systems	4.9	-	-

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise)

UG - 1:15

PG – 1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

Type of staff	Sanctioned	Filled
Support staff (technical)	5	5
Administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG:

Qualification	No. of faculty
Dsc/D.litt	-
Ph.D	1
M Phil	-
PG (ME / M.Tech)	14

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

S.No	Funding Agency	Title	Amount (Rs)	Status
1	AICTE AQIP	Seminar Grant on "Application of FACT devices and Artificial Intelligence in Modern Power System"	1,00,000	Conducted

18. Research Centre / facility recognized by the University:

Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V)

19. Publications (last four years):

S.No	Name of the faculty	No. of publications		Chapter in Books
		International journals/conferences	National conferences	
1.	S.Radhika	16	8	-
2.	N.Venkata Bharadwaj	2	1	-
3.	G.Srikanth	-	2	-
4.	D.Radhika	2	1	-
5.	D.Krishna	2	5	-
6.	Voleti Padmaja	3	1	-
7.	N.Santhinath	1	5	-
8.	Azra Zaineb	1	-	-
9.	S Poorna Chander Rao	1	-	-
10.	B Ramesh Babu	1	-	-

List of Faculty Publications for the academic year 2014-15:

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing
1	D.Radhika M.Tech Assoc. Prof.	Improvement of Voltage Profile of a Transmission System using D-Facts.	IOSR Journal Of Electrical and Electronics Engineering	April 2015
2	D.Radhika M.Tech Assoc. Prof.	Implementation of FLC based DPFC for enhancement of power quality of a transmission system	IEEE conference , EESCO, conducted by Vignan college of engineering, Visakhapatnam	January 2015
3	D.Krishna M.Tech Asst.Prof.	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	International Journal of Engineering Research and Applications	January 2015
4	V.Padmaja M.Tech Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	International Journal of Engineering Research and Applications	January 2015
5	D.Krishna M.Tech Asst.Prof.	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	National Conference on Developments, Advances & Trends in Engineering Sciences	January 2015
6	V.Padmaja M.Tech Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	National Conference on Developments, Advances & Trends in Engineering Sciences	January 2015

7	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Applications of Remote sensing Images for Automatic Natural Disaster Location Identification	APAS Golden Jubilee Science Congress	November 2014
8	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Designing of flutter Power Generator from Green Power	National Conference on Wind Engineering	November 2014
9	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Cyclone damage detection on building structures from pre- and post- satellite images using wavelet based pattern recognition	Journal of wind Engineering and Industrial Aerodynamics	October 2014
10	N.Venkata Bharadwaj M.Tech,(Ph.D) Assoc.Prof	Three Phase Parallel Multilevel Inverter Fed Induction Motor Using POD Modulation Scheme	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014
11	Azra Zaineb M.Tech Asst.Prof.	Design of Fuggy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014
12	D.Krishna M.Tech Asst.Prof.	Design of Fuggy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014
13	B.V Hemanth Kumar M.Tech Assoc. Prof	Three Phase Parallel Multilevel Inverter Fed Induction Motor Using POD Modulation Scheme	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014
14	V.Padmaja M.Tech	Design of Fuggy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics	Sept 2014

	Asst.Prof		Engineering	

List of Faculty Publications for the academic year 2013-14:

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing
1	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Improvement of Dynamic performance of AGC of Hydrothermal System employing capacitive energy storage and TCPS	International conference on Recent trends and Innovations in Engineering & Technology	December 2013
2	N.Santhinath M.Tech Asst.Prof.	Improvement of Dynamic performance of AGC of Hydrothermal System employing capacitive energy storage and TCPS	International conference on Recent trends and Innovations in Engineering & Technology	December 2013
3	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Mitigation of voltage sags / swells using DVR	National Conference on Science & Technological Exploration	Dec 2013
4	G.Srikanth M.Tech,(Ph.D) Assoc.Prof.	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013

5	D.Krishna M.Tech Asst.Prof.	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013
6	V.Padmaja M.Tech Asst.Prof	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013
7	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Automatic Detection of Buildings from Aerial Images Using Color Invariant Features and Canny Edge Detection	International Journal Engi neering Research and Technology Application	May 2014

List of Faculty Publications for the academic year 2012-13:

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing
1	D.KRISHNA M.Tech Asst.Prof.	Design of Fuzzy Logic Controller for Residential Electrical Water Heater	National Conference on Technological Developments in Power Engineering	Aug 2012
2	G.Srikanth M.Tech,(Ph.D) Assoc.Prof.	Design of Fuzzy Logic Controller for Residential Electrical Water Heater	National Conference on Technological Developments in Power Engineering	Aug 2012
3	M Ravikanth B.Tech, Asst.Prof.	Design of Fuzzy Logic Controller for Residential Electrical Water Heater	National Conference on Technological Developments in Power Engineering	Aug 2012
4	G.Srikanth M.Tech,(Ph.D)	Design of Fuzzy Logic Controller for automatic	National Conference on Computational Intelligence and	Oct 2012

	Assoc.Prof.	braking system of train	applications	
5	M Ravikanth B.Tech, Asst.Prof.	Design of Fuzzy Logic Controller for automatic braking system of train	National Conference on Computational Intelligence and applications	Oct 2012
6	D.KRISHNA M.Tech Asst.Prof.	Design of Fuzzy Logic Controller for automatic braking system of train	National Conference on Computational Intelligence and applications	Oct 2012
7	N.Venkata Bharadwaj M.Tech, Assoc.Prof	3 Phase parallel multilevel inverter fed induction motor using PD modulation scheme	International Journal of Engineering Research & Technology	Nov 2012
8	B.V Hemanth Kumar M.Tech Assoc. Prof	3 Phase parallel multilevel inverter fed induction motor using PD modulation scheme	International Journal of Engineering Research & Technology	Nov 2012
9	V.PADMAJA M.Tech Asst.Prof.	3 Phase parallel multilevel inverter fed induction motor using PD modulation scheme	International Journal of Engineering Research & Technology	Nov 2012
10	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Improvement Of Dynamic Performance Of AGC of Hydrothermal System Employing Capacitive Energy Storage and TCPS	National Conference on Emerging Trends in Renewable Energy & its Applications	Jan 2013
11	N.Santhinath M.Tech Asst.Prof.	Improvement Of Dynamic Performance Of AGC of Hydrothermal System Employing Capacitive Energy Storage and TCPS	National Conference on Emerging Trends in Renewable Energy & its Applications	Jan 2013
12	N.Venkata	Three Phase parallel	National conference on	Jan 2013

	Bharadwaj M.Tech, Assoc.Prof	multilevel inverter fed induction motor using PD modulation scheme	Emerging Trends in Renewable energy & its applicaitons	
13	D Aravind M.Tech Asst.Prof.	ANN Based SVC Switching at Distribution Level for Minimal Injected Harmonics	International Journal of Innovative Science & Modern Engineering	Mar 2013

List of Faculty Publications for the academic year 2011-12:

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing
1	Y.Suresh babu M.Tech, Assoc.Prof.	Design of Controller using Pole Placement	National Conference on "Power system Planning, Operation Optimization"	June 2011
2	N.Santhinath B.Tech Asst.Prof.	Design of Controller using Pole Placement	National Conference on "Power system Planning, Operation Optimization"	June 2011
3	N.Santhinath B.Tech Asst.Prof.	Possibility Of Power Taping from Composite AC DC Transmission Line	International Conference on "Nanoscience, Engineering & Advanced Computing"	July 2011
4	Y.Suresh babu M.Tech, Assoc.Prof.	Possibility Of Power Taping from Composite AC DC Transmission Line	International Conference on "Nanoscience, Engineering & Advanced Computing"	July 2011
5	N.Santhinath M.Tech Asst.Prof.	Simulation of Fuzzy controlled SVC for 750Km Transmission Line	National Conference on Enhancements in Electrical, Electronics and Communication	Feb 2012

			Engineering	
6	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Simulation of Fuzzy controlled SVC for 750Km Transmission Line	National Conference on Enhancements in Electrical, Electronics and Communication Engineering	Feb 2012
7	N.Santhinath M.Tech Asst.Prof.	Time Synchronized Applications of DG	National Conference on Enhancements in Electrical, Electronics and Communication Engineering	Feb 2012
8	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Time Synchronized Applications of DG	National Conference on Enhancements in Electrical, Electronics and Communication Engineering	Feb 2012
9	N.Santhinath M.Tech Asst.Prof.	Application of Time Synchronized phasor for Distribution Generation	National Conference on National Power Sector Scenario-Prospects, Challenges and Oppurtunities	Apr 2012
10	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Application of Time Synchronized phasor for Distribution Generation	National Conference on National Power Sector Scenario-Prospects, Challenges and Oppurtunities	Apr 2012
11	N.Santhinath M.Tech Asst.Prof.	Design, modeling and Simulation of Fuzzy controlled SVC for 750Km(λ/8) Transmission line	National Conference on National Power Sector Scenario-Prospects, Challenges and Oppurtunities	Apr 2012
12	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Design, modeling and Simulation of Fuzzy controlled SVC for 750Km(λ/8) Transmission line	National Conference on National Power Sector Scenario-Prospects, Challenges and Oppurtunities	Apr 2012

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National Committees: Nil
b) International Committees: Nil
c) Editorial Boards:

1. Dr. S Radhika

Reviewer of :

- IEEE Transactions on Sustainable Energy
- Journal of Advances in Microelectronic Engineering (AIME), Science and Engineering Publishing.
- Guest reviewer of Journal of Power and Energy Engineering (JPPE), Scientific Research.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ Programme: 85%

b) Percentage of students placed for projects in organizations outside the institution

i.e. in Research laboratories/Industry/other agencies: 15% (In Govt. Organizations like BHEL, ECIL, NSIC etc.,)

23. Awards/ Recognitions received by faculty and students:

Faculty:

1. Dr. S Radhika → a) Recipient of Global COE (GCOE) funding from Japan Government (2009-2012) for Doctoral Studies at Tokyo Polytechnic University Japan,
   b) M.Tech Gold Medalist, Amrita Vishwa Vidyapeetham &
   c) ISTE, Life Member
2. Mr. N V Bharadwaj → ISTE, Life Member
3. Mr. G Srikanth → ISTE, Life Member
4. Ms. D.Radhika → ISTE, Life Member
5. Mr. N Santhinath → ISTE, Life Member
6. Mr. D Krishna → ACEE, Member
7. Mr. S Poornachander Rao → GATE 2010, 2012, 2013-2014 & FET Qualified

Students:

- **A.Naga Sravya - EEE** (R.No: **09R11A0201**) – 89.06 % has **secured first rank** in third year among all affiliated **JNTUH** colleges.
- **IEEE** has recognized Department of EEE, GCET as its active **Student Branch**.

EEE Department Student Achievements for the Academic Year 2012-13

S.No	Student Name	Particulars	Month/Year
1	C Karthik U Chandra Mouli N Vamsi Krishna (IV Year EEE)	Presented Prototype of Automated Hydel Power Plant in **OU** and **Won Second Prize**	Apr 2013
2	M S Madhuri V Sri Ramya (IV Year EEE)	Presented Prototype of Automated Thermal Power Plant in **OU** and **Won First Prize**	Apr 2013

EEE Department Student Achievements for the Academic Year 2011-12

S.No	Student Name	Particulars	Month/Year
1	E Sharan Dileep (IV Year EEE)	National Symposium-Presented Paper in NIT, Warangal	Sep 2013
2	T V Lohit (IV Year EEE)	National Symposium-Presented Paper in NIT, Warangal	Sep 2013

24. List of eminent academicians and scientists/ visitors to the department:

On the Occasion of AFACTAIMP-2013, the following Academicians Visited the Campus:

1. Dr. M Surya Kalavathi, Professor, EEE, JNTUH, Hyderabad
2. Dr B Basava Raja, Vice-Principal, GITAMS University, Hyderabad
3. Dr P.Alivelu Manga, Asst.Professor, BITS PILANI, Hyderabad
4. Mr.K V Surya Prakash Rao, Retd. S.E., APTRANSCO
5. Dr. D M Vinod Kumar, Professor, EEE, NIT Warangal
6. Mr. S V Murthy, Free Lancer Consultant, Electrical Installations
7. Dr. B P Singh, Principal, St.Martins Engg College, Hyderabad

On Various Other Occasions such as Workshops, Guest Lectures & FDPs the following eminent Academicians and Scientists Visited the Department:

1. Mr.Satyabratasahoo, Application Engineer
2. Mr.D.Sadanandam, Sr. Section Engineer, SC Railways,
3. Mr.K.Smaual Mories, Application Engineer
4. Shri.S.Venkata Subba Reddy, Senior Engineer,
5. Sri. P. Kondanda Ramaiah, Retd.CE,APSEB
6. Sri. N.S. S. Prasad, Retd. Scientist, ICRISAT
7. Dr. M. Sushama, Professor, EEE, JNTU HYD
8. Ms. K.H. Phanishree, Asst. Professor, EEE, JNTUH

25. Seminars/ Conferences/Workshops organized & the source of funding:

Workshops:

2014 – 15			
Sl. No	**Title of The Workshop**	**Dates conducted on**	**Funding Agency**
1.	Design and Implementation of Electrical and Electronic Module (Multi Utility Timer Applications)	16th and 17th March	Institute
2.	Design of Solar Energy PV Systems	25th and 26th September	Institute

2013 – 14			
Sl. No	**Title of The Workshop**	**Dates conducted on**	**Funding Agency**
1.	MATLAB	28th , 29th and 30th Jauary	Institute

2012 – 13			
Sl. No	**Title of The Workshop**	**Dates conducted on**	**Funding Agency**
1.	Outcome based Engineering Education	25th January	Institute

	for Enhanced Employability		
2.	Motivating students in reaching their goals	10th September	Institute

2011 – 12			
Sl. No	**Title of The Workshop**	**Dates conducted on**	**Funding Agency**
1.	Outcome based Engineering Education for Enhanced Employability	25th January	Institute
2.	Motivating students in reaching their goals	10th September	Institute

Faculty Development Programs

2014 – 15			
Sl. No	**Title of The FDP**	**Dates conducted on**	**Funding Agency**
1.	Power Quality with Distributed Generations	17th and 18th December	Institute
2.	Research Methodologies in Engineering and Science	15th and 16th December	Institute

2013 – 14			
Sl. No	**Title of The FDP**	**Dates conducted on**	**Funding Agency**
1.	Application of FACTS Devices and Artificial Intelligence in Modern Power System	3rd, 4th and 5th October	AICTE

2012 – 13			
Sl. No	**Title of The FDP**	**Dates conducted on**	**Funding Agency**
1.	Personality Development	23rd November	Institute
2.	Teaching Methodologies and Blooms Taxanomy	30th July	Institute
3.	Blooms Taxonomy	7th July	Institute
4.	Value Orientation Programme for Teachers	21st and 22nd June	Institute
5.	Mentoring of Mentors	16th June	Institute

2011 – 12			
Sl. No	**Title of The FDP**	**Dates conducted on**	**Funding Agency**
1.	Stress Management and Time Management	1st and 2nd July	Institute
2.	PEDAGOGY	22nd, 23rd and 24th June	Institute

GUEST LECTURES:

2014 – 15			
Sl. No	**Title of The Lecture**	**Dates conducted on**	**Funding Agency**
1.	Introduction to Smart Grid Technologies	29th January	Institute
2.	Energy Auditing Methods to resolve power disturbance issues	27th January	Institute
3.	Recent Trends in Transducers and its applications	10th January	Institute
4.	Reliability Engineering and applications to Electrical Power Systems	7th January	Institute
5.	Fundamentals of Electrical and Electronics Engineering	23rd September	Institute

2013 – 14			
Sl. No	**Title of The Lecture**	**Dates conducted on**	**Funding Agency**
1.	Modeling and Simulation of Power Electronics and Electrical Drives using CASPOC and VISSIM software in Embedded System	17th February	Institute
2.	Transducers and their industrial application	27th September	Institute
3.	Traction Motors	20th September	Institute

2012 – 13			
Sl. No	**Title of The Lecture**	**Dates conducted on**	**Funding Agency**
1.	Design and Testing of Transformer	3rd march	Institute
2.	Field Aspects of Electrical Engineering	26th September	Institute
3.	Awareness for Employability and Enhancing skills for employability	17th August	Institute

2011 – 12			
Sl. No	**Title of The Lecture**	**Dates conducted on**	**Funding Agency**
1.	Success story of Chandrayan	10th August	Institute
2.	Technology Awareness	2nd August	Institute
3.	Personality development & Leadership skills	18th July	Institute

c) **International:** Nil

26. Student profile programme/course wise:

Year (Batch)	Name of the Course/ programme	Selected	Enrolled		Pass percentage
			Male	Female	
2014-18	B.Tech EEE	43	30	13	-
2013-17		45	39	06	-
2012-16		55+12	53	14	-
2011-15		60+12	52	20	-
2010-14		60+4	37	27	79.71
2009-12		60+6	46	20	79.66
2008-12		60+4	44	20	72.00
2007-11		56+9	44	12	45.00
2014-16	M.Tech (PE)	14	11	03	

***** Admissions are through EAMCET counseling of AP State Govt.

27. Diversity of Students:

Year of admission	Name of the program	% students from the same state	% students from the other state	% of students from abroad
2014-15	B.Tech (EEE)	100%	0%	0%
2013-14	B.Tech (EEE)	100%	0%	0%
2012-11	B.Tech (EEE)	100%	0%	0%
2011-10	B.Tech (EEE)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sl. No	Name of the Competitive Exam	2010-2014	2009-2013	2008-2012	2007-2011
1	UGC-CSIR-NET	-	-	-	-
2	UGC-NET/ SLET	-	-	-	-
3	GATE	1	1	1	-
4	CAT / GRE	5	10	12	-
5	TOFEL / GMAT	-	-	-	-
6	Central /State services, Defense, Civil Services	-	-	-	-
7	Any other competitive exams (give details)	-	-	-	-
	Total	6	11	13	-

29. Student progression:

Percentage of students progressing to higher education or employment for the last four batches.

Sl. No.	Students Progress Towards	2010-2014	2009-2013	2008-2012	2007-2011
1	Higher Education	4	8	9	-
2	Employment	38	11	46	-

30. Details of Infrastructural facilities:

a) Library

The Department has its own Library in addition to the Central Library with 180 titles, 60 project reports, 56 course files, 18 Lab manuals.

b) **Internet facilities for Staff & Students**

For all the Staff and Students can use internet facility in the department.

Internet Service Providers:

1. Apollo Communication (P) Ltd - (22 Mbps)
2. Excel Media (P) Ltd - (8 Mbps)

c) **Class rooms with ICT facility**

An exclusive fully equipped E-class room is available to conduct ICT lectures. Apart from that any class room can be provided with ICT facility with the exclusive LCD projector and Laptops available in the department. Also the Seminar Hall is equipped with LCD projector.

d) **Laboratories**

The Department has 12 Exclusive and 5 Shared laboratories to serve the teaching and research needs of the students and faculty of the Department. All systems in computer Lab are connected to the Departmental LAN which is a part of the Institute wide area network.

Table: Lab Details of EEE Department

Sl. No	Location	Name of the Lab	Exclusive/ Shared	Size (Sq.mm)	Major Equipment
1	G-01	Electrical Machines I Laboratory	Exclusive	66	DC Electrical Machines, Resistance load banks , Lamp Load Bank, AC-DC Rectifier/Controller, Metering Equipment
2	G-02	Electrical Machines II Laboratory	Exclusive	66	AC Electrical Machines, 1 Phase and 3 Phase Resistance load banks, Lamp Load Bank, Metering Equipment
3	G-03	Electrical Machines III Lab	Exclusive	66	AC Machines & DC Machines, 1-Phase and 3-Phase Resistance load banks, Metering Equipment
4	G-04	Electrical Machines IV Lab	Exclusive	66	AC Machines & DC Machines, 1-Phase and 3-Phase Resistance load banks, Metering Equipment
5	G-05	M.Tech Power Converters Laboratory	Exclusive	108	Power Electronics Experiment Kits with Firing Circuits, Drives with Feedback Sensors, Power Scope Model Caddo 824 & CRO's

6	T-304 Third Floor	M.Tech Computer Programming Lab-I	Exclusive	66	15 Desktop Systems with Latest Configuration, Installed with Microsim PSpice and Open Source Simulation Software such as SciLab, Octave
7	G-14	Electrical Circuits Laboratory	Exclusive	105	Hardware : Stabilizer , Function generator-05, DRB-10, DIB-10, DCB-10, Digital trainer kits, Auto Transformers
8	S-215 Second Floor	Simulation Lab-I	Exclusive	80	31 Desktop Systems with Latest Configuration and Installed with Microsim, PSpice and Open Source Simulation Software such as SciLab v.5.4, Octave-3.6
9	S-216 Second Floor	Simulation Lab-II	Exclusive	80	32 Desktop Systems with Latest Configuration and Installed with Microsim PSpice and Open Source Simulation Software such as SciLab v.5.4, Octave-3.6, Intercom Facility
10	R111 Block-II	Physics Lab-I	Exclusive	113	Spectrometer, Travelling Microscope, LCR Experiment Kit, Function Generator, Optical Fibre Kit, Solar Cell kit
11	RG04 Block-II	Physics Lab-II	Exclusive	66	Stewart and Gee's Experiment kit, Medley's Experiment kit, Energy Gap of Semiconductor kit, RC Circuit Kit
12	WS6 (Shed II Behind Block II)	FM & HM Laboratory	Exclusive	144	Impact of Jet on Vanes, Friction in Pipes, Venturimeter and Orifice meter, Sudden Contraction of the pipe and Turbine flow meter, Single stage centrifugal pump, Multi stage Centrifugal Pump, Reciprocity Pump, Pelton Wheel, Francis Turbine, Intercom Facility

31. **Number of students receiving financial assistance from college, university, government or other agencies**:

a. Finiancial assistance from University/Government/Other Agencies:

Table1: Scholarship details of EEE department (last four years)

No	Name of Agency	No. of Students Received Financial Assistance			
		2014-15	2013-14	2012-13	2011-12
1	Govt. of AP	**145**	**154**	**124**	**115**
2	JNTUH	**-**	**-**	**-**	**-**
3	GCET	**6**	**3**	**3**	**3**
4	Others	**-**	**-**	**-**	**-**

b. Financial assistance from college:

1. The scholarship is provided to the topper in branch for all years of students.
2. Late G.Raja Reddy Memorial Award (from M/s. Teja Educational Society) received by the EEE students:

Table 2: Consilated list of No. of EEE students received Merit scholarship

S.No.	Branch	Year	Amount
1	EEE	2014 - 15	12,000
2	EEE	2013-14	40,000
3	EEE	2012-13	40,000
4	EEE	2011-12	40,000

The names of the students for the recent academic year is given below:

Table 3: Cash Prize Awards received by EEE students (Merit students)

2012 -16 BATCH TOPPERS IN I YEAR

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won
1	EEE	12R11A0216	GORTHY YESASWINI	82.90	II Prize
2	EEE	12R11A0209	BHAMIDIPATI SRI HARSHA	87	I Prize

2011-15 BATCH TOPPERS IN II YEAR

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won
1	EEE	11R11A0213	ELEMASETTY UDAY KIRAN	73.5	II Prize
2	EEE	11R11A0216	GAJULAPATI RAJINI	75	I Prize

2010-14 BATCH TOPPERS IN III YEAR

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won
1	EEE	10R11A0214	DIVAKARAN HARI HARAN	79.01	II Prize
2	EEE	10R11A0223	ILLA PRANAYA BHASKER	79.86	I Prize

2009-13 BATCH TOPPERS IN IV YEAR

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won
1	EEE	09R11A0204	B LALITHA	86.05	II Prize
2	EEE	09R11A0201	A NAGA SRAVYA	89.06	I Prize

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sl. No.	Event Name	Title of the Workshop/Seminar /Conference	Resource Person/Institution	Date	Target Audience
1.	Seminar	To improve their recruitment skills and technical skills	Victor Minds	13-10-11 to 30-10-11	4th year students (2012 Passouts)
2.	Guest lecture	Expectations from industry and	V. Chaitanya-Senior manager-	5-08-2011	4th year students

		selection process	HR, Apps associates		(2012 Passouts)
3.	Guest lecture	How to face interviews	Mr. Narendra Shukla, CEO, Cordys	19-10-2011	4th year students (2012 Passouts)
4	Workshop	Motivating Students in reaching their goals	Mr. Syed Noor Md. Shakir – Hyderabad	10-09-2012	IV year B.Tech students
5	Guest Lecture	Mind control activities	Mr. Shakthi Raj Singh Thakur, Brahma Kumari Matt-Hyderabad	16-10-2012	1st yeat B.Tech students
6	Guest Lecture	Career Guidance	Lions Club-Yuvanirman Group, Hyderabad	21-01-2013	IV year B.Tech students
7	Workshop	Motivating Students in reaching their goals	Mr. Syed Noor Md. Shakir – Hyderabad	17-09-2013	2014 Passouts
8	Guest Lecture	Bridging Gap between Industry and Academic	V.Chatanya – Head LIR Nel X Cell HYD	24-08-2013	IV Year 2014 Passouts
9	Guest Lecture	Modeling & Simulation of Power Electronics and Electrical Drives Using CASPOC and VISSIM Software in Embedded System	Mr. Satyabrata Sahoo, Application Engineer, SUNSEAS TECH	17-02-2014	III & IV B.Tech EEE Students
10	Guest Lecture	Traction motors	Mr.D.Sadanandam	20-09-2013	IV B.Tech EEE Students
11	Guest Lecture	Transducers and their industrial application	Mr.K.Smaual Mories	27-09-2013	IV B.Tech EEE Students
12	Guest Lecture	Motivating Students in reaching Their Goals	Mr.Syed Noor, Md.Shakir, ETS, Hyderabad	17-09-2013	IV B.Tech EEE Students
13	Workshop	MATLAB	DATA POINT INSTITUTE OFFICILAS	28-01-2014 to 30-01-2014	II & IV B.Tech EEE Students
14	Workshop	Motivating students in reaching their goals.	Mr. Syed Noor,Md.Shakir, ETS, Hyderabad	10-09-2012	IV EEE Students
15	Guest Lecture	Design & Testing of Transformer	Shri.S.Venkata Subba Reddy	03-03-2013	III & IV EEE Students

16	Guest Lecture	Field Aspects of Electrical Engineering	Sri. P. Kondanda Ramaiah, Retd.CE,APSEB	26-09-2012	All EEE Student
17	Guest Lecture	Awareness for Employability & Enhancing skills for employability	ASPIRING MINDS ASSESSMENT	17-08-2012	IV EEE Students
18	Guest Lecture	Success story of Chandrayan	Dr.Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad.	10-08-2011	III & IV EEE Students
19	Guest Lecture	Technology Awareness	Dr.Syed Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad	02-08-2011	All EEE Student
20	Guest Lecture	Personality development & Leadership Skills	Dr.Garikapati Narsimha Rao, Mahasahasravadhani	18-07-2011	IV EEE Students

33. Teaching methods adopted to improve student learning

- Visual teaching methods like OHP sheets, video lectures, NPTEL lectures, Youtube videos etc.
- Faculty members prepare Course files & lecture notes for all subjects
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Department conducts course specific guest lectures by experts.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis and modeling of Electrical Systems.
- Students are given Assignments, encouraged to participate in Group Discussions for better understanding of the course topics.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- During regular sessions, the students are trained in college for campus recruitments through a program called CRT (Campus Recruitment Training) and at present these classes are conducted by Triumphant Institute of Management Education (TIME) Hyderabad.

- Institute periodically conducts technical events like BHASWARA, Tech. Expo etc., for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, IETE, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- Students are allowed to do mini projects and major projects making use of the college infrastructure and also are encouraged to take-up internship in reputed organizations.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.
- Organizing Seminars, workshops, Technical Quizzes, and Guest lectures.
- Development of student support material for poor learners and enthusiastic learners.
- Formulation of cooperative learning groups to improve peer group interaction.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Major responsibility is taken by the NSS unit which was started in our college in the academic year 2008-09 with around 250 volunteers.

The following are NSS Coordinators from the Dept. of EEE

1. Ms. T. Poojarani, Assistant Professor

- The NSS unit of the college provides social and community service in the near by villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:
- Blood Donation Camp
- Health Camp
- Dental Camp
- Tree plantation

Table: NSS Volunteers List of EEE Department

Sl. No	Roll No.	Name of the Student	Contact No.	Class
1.	11R11A0205	B.BABITHA	9502482373	IV year
2.	12R11A0209	B.SRIHARSHA	8182946738	III year
3.	12R11A0225	K.S.PRASHANTHI	9030242651	III year
4	13R11A0216	HARI SHANKAR SHARMA	9010292984	II year
5	13R11A0213	G.NARESH	9000266257	II year

- Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around

180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.

- Providing required school material to the poor children.
- The Head Master of MP Primary School of Cheerayal and the Head Masters of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their school children. The students who are joining these schools are really very poor and it is truly a service to the society. The NSS activities pitched in from the past three years**.** Proper accounts are maintained under NSS wing of GCET for the above.

35. SWOC analysis of the department and Future plans

To determine and understand the strengths and weaknesses of EEE department, the senior faculty in the department conducted formal and informal surveys. The following details are the results of the survey:

Strengths

- Adequate experienced faculty
- Well-maintained laboratories
- Budding researchers
- Good in-house student projects

Weaknesses

- Lesser number of faculty with Ph.D at middle cadre
- Insignificant collaboration with industry
- Less familiarity among faculty on application oriented software namely, SCADA, MATLAB, etc

Opportunities

- More number of power projects to come up in near future
- Increasing opportunities to pursue research
- Better placement opportunities in both public and private sectors
- Increasing opportunities in non-conventional energy sources

Challenges

- Growing demand for IT sector jobs
- Mushrooming growth of engineering colleges and increased in-take in long standing colleges and deemed universities

Future Plans:

- To establish Center of Excellence in Power Systems Engineering
- To become autonomous at the earliest.
- To enhance R&D Activities.

<<<>>>

Evaluation Report of Mechanical Department

Evaluative Report of the Mechanical Engineering (Mech) Department:

1. Name of the department: Mechanical Engineering Department

2. Year of Establishment: 2011

3. Names of Programs/Courses offered: B.Tech., -Mechanical Engineering

M.Tech., -Machine Design

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system:

B.Tech., Semester System (other than 1st year)

M.Tech., Semester System

6. Participation of the department in the courses offered by other departments

Sl.No	Programme	Department	Course Offered
1	B. Tech.	Electrical &Electronics Engineering	Fluid Mechanics and Hydraulic Machinery
2	B. Tech.	Computer Science Engineering	Operations Research
3	B. Tech.	Information Technology	Operations Research

7. Courses in collaboration with other universities, industries, foreign institutions, etc:

NIL

8. Details of courses/Programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts: 23 Nos

No	Designation	Sanctioned	Filled
1	Professors	3	6
2	Associate professors	6	3
3	Asst. professors	14	15
	Total	23	24

10. Faculty profile with name, qualification, designation, specialization,(D.Sc/D.Litt./ Ph.D./ M. Phil. etc.,):

Sl. No.	Name of the Staff Member	Designation	Qualification			Experience		
			UG	PG	Ph.D	T	I	R
1	Dr.T.Siva Prasad	Professor & HOD	B.Tech	M.Tech. (D&PE)	Ph.D (Analysis of Bus. Proc.)	30	3	

2	Dr. S T Raj Mohan	Professor, Dean-Admin	BE	MA(Eng.), MBA	Ph.D (Busi. Man.)	3	36	-
3	Dr. M. Devaiah	Professor - Exam I/C	B.E	M. Tech. (Ind. Meta.)	Ph.D (ME)	14	-	-
4	C. Badari Narayana Murthy	Professor	B.Tech	M.Tech. (MD)	-	14	16	2
5	S. V. Gangadharam	Professor	B.Tech	M.Tech. (Ind. Eng.)	ACMA	2	30	-
6	D. Sumuel John	Professor	BE (Mech.)	M.Tech. (Ind. Eng. & Man.)		15	7	-
7	K. Jithendar Reddy	Assoc. Prof.	B.Tech.	M.Tech. (Ind. Metal.)	-	12	7	1
8	Sivananda Raja	Assoc. Prof.	BE	M.S (Eng. In IISC)		12	14	3
9	Mr. Sudarshan R	Assoc. Prof	B.Tech	M.Tech (Production engineering)	-	15	4	1
10	B.Anitha	Asst. Prof.	B.Tech	M.Tech. (CAD/CAM)	-	8	-	-
11	P. Srilatha	Asst. Prof.	B.Tech.	M.Tech. (ME)	-	2	-	-
12	K.Raju	Asst.Prof.	B.Tech	M.Tech. (MD)	-	3.5	-	-
13	K. Vijay	Asst.Prof.	B.Tech.	M.Tech. (CAD/CAM)	-	1	4	-
14	M. Ravindra Gandhi	Asst. Prof.	B.Tech.	M.Tech. (Adv. Man. Sys.)	-	6	-	-
15	V. Sandeepa	Asst. Prof.	B.Tech.	M.Tech. (Machine Design)	-	3.5	-	-
16	V. Rajasekhar	Asst. Prof.	B.Tech.	M.Tech. (AD&M)	-	4.5	-	-
17	P. Laxmi Reddy	Asst.Prof.	B.E.	M.Tech (Thermal Eng.)	-	6	-	-

18	P.V. R. Girish Kumar	Asst. Prof.	B.Tech.	M.Tech. (CAD/ CAM)	-	3.8	-	-
19	N. Rajendar	Asst. Prof.	BE	M.Tech. (CAD/ CAM)	-	5	-	-
20	B. Venkat sravan Kumar	Asst. Prof.	B.Tech.	M.Tech. (Eng. Design)	-	F	-	
21	U. Sreekanth	Asst. Prof.	B.Tech.	M.Tech. (R&AC)	-	3	-	-
22	P. Prem Kumar	Asst. Porf.	B.Tech.	M.Tech.	-	-	-	-
23	K. Sakram	Asst. Prof.	B.Tech.	M.Tech.				
24	P. Bangara babu	Asst. Prof.	B.Tech.	M.Tech. (CAD/CAM)	-	1	-	-

11. **List of senior visiting faculty** : NIL

12. **Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty :** NIL

13. **Student –Teacher Ratio (Programme Wise):** for UG 1:14.28
for PG 1:12

14.**Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

No	Description	Sanctioned	Filled
1	Academic Support Staff(Technical)	5	8
2	Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil/PG.

No. of faculty with D.Sc./D. Litt.	No. of faculty with Ph.D.	No. of faculty with M. Phill.	No. of faculty with PG(M.Tech/M.Sc.)
Nil	3	Nil	20

16. Number of faculty with ongoing projects from funding agencies and grants received :
a) National : NIL
b) International : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications (Last 4 Years):

S.No	Name of the faculty	No. of publications	
		International journals/conferences	National/ conferences
1	Dr.T.Siva Prasad	05	30
2	Dr.M.Devaiah	9	8
3	Mr.D.Samuel John	7	1
4	Mr.K.Jithendar Reddy	2	
5	Mr.K.Raju	1	
6	Mr. PVR. Girish Kumar	1	
7	Mr.U.Sreekanth	2	

List of publications:

S. No.	Name of the faculty	Title	Prsented at	Date
1	Dr. T Siva Prasad	"The effect of External Roller-burnishing on the Surface Roughness & Surface Hardness of EN31 Alloy Steel	Manufacturing Metallurgical & Materials Engineering Division Journal of Institution of Engineers(India), Vol.91,	October,2010
2		Experimental Analysis on Burnished composite material Rayon based carbon Phenolic Resin	16th ISME conference on mechanical engineering for sustainable development during , organized by IIT Delhi	Dec. 2-4, 2010
3		Effects of burnishing parameters on the surface characteristics, microstructure & micro hardness in EN series steels"	International Journal of Transactions of Indian Institute of Metals (Springer),	2011
4		Optimization of Burnishing parameters and evaluation of surface charterstics, Microstructure and Microhardness in AA6061 Alloy	second International Conference on Advances in Mechanical, Manufacturing and Building Sciences, ICAMB-2012 in VIT University, Vellore, Tamilnadu druing	9-11 Jan, 2012
5		Optimization of burnishing parameters and determination of select surface characteristics in Engineering Materials	publication in International Journal of SADHANA, Academy proceedings in Engineering Sciences,	2012
6		"Optimization of burnishing parameeters by DOE and surface roughness, Microstructure and Micro hardness characteristics of AA6061 aluminium Alloy in T6 condition	International Journal of Engineering research and applications ISSn:2248-9622 Vol-2 pp.1139-1146	, March, April, 2012

7	Dr. M Devaiah	Mechanical properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy".	Ceramics International, Volume 38, Issue 2, , pp 1139-1147. Impact factor: 1.896.	March (2012)
8		"SiCp/Al2O3 ceramic matrix composites prepared by directed oxidation of an aluminum alloy for wear resistance applications".	Transactions of the Indian Ceramic Society. Volume 71, pp 151-158. Impact factor: 0.349.	Number 3, September (2012),
9		"Identification of Growth Promoter to Fabrication SiCp/Al2O3 Ceramic Matrix Composites Prepared by Directed Metal Oxidation of an Al Alloy	Journal of Minerals and Materials Characterization and Engineering, Volume 11, Number 11,PP. 1063-1068. Impact factor: 0.85.	November (2012
10		Fabrication of SiC/Al2O3 CMCs & their physical properties"	AIP Conf. Proc. 1447, 1295 (2012);	DOI: 10.1063/1.4710487
11		"Fabrication of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy".	International Journal of Advanced Material Science, ISSN 2231-1211 Volume 2, Number 3 (2011), pp. 341-350.	
12		"Sliding wear resistance of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy"	International Journal of Mechanics Structural, ISSN 0974-312X Volume 3, , pp. 19-34.	Number 1 (2012)
13		"Phase, microstructure and physical properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation process".	International Journal of Material Science, ISSN 0973-4589 Volume 6, Number 4 (2011), pp. 473-484	
14		"Properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy".	International Journal of Mechanical and Material Sciences research, Volume 1, Number 1(2011), pp. 11-28.	
15		"Phase and Microstructure and Physical properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy"	. Journal of Materials Science and Engineering (A & B, USA), ISSN 2161-6213), Accepted, 2011.	
16		"Properties of SiCp/Al2O3 ceramic matrix composites as a function of Reinforcement Content".	Oral Presentation at the 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics– ICTACEM, , IIT Kharagpur-721302, INDIA	27-29, 2010
17		"Coefficient of thermal expansion and ultrasonic	Oral Presentation at the 5th International	

		properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy".	Conference on Theoretical, Applied, Computational and Experimental Mechanics ICTACEM, 27-29, 2010, IIT Kharagpur-721302, INDIA	
18		Al2O3–SiC Ceramic Matrix Composite: Physical Properties & Microscopic Features	Poster Presentation at the 3rd International Conference on Recent Advances in Composite Materials – ICRACM 2010, ENSIL - ENSCI in Limoges (France),	December 13-15, 2010
19		"SiCp- Al2O3 Ceramic Matrix Composite for wear resistance applications	Oral Presentation at the International Conference on Interfaces and Interphases in Multicomponent Materials-IIMM, Sheffield, UK,	1-3 September, 2010.
20		"Mechanical properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy"	Oral Presentation at the National Symposium for Materials Research Scholars, MR-10, IITM,	December 13-15, 2010.
21		Physical properties of SiCp/Al2O3 ceramic matrix composites prepared by directed metal oxidation of aluminum alloy	Oral Presentation at the National Symposium for Materials Research Scholars, MR-10, IITM,	December 13-15, 2010.
22		Elastic Properties of SiCp/Al2O3 Ceramic Matrix Composites Prepared by Directed Metal Oxidation of an Aluminum Alloy",	Oral Presentation at the National Conference on Recent Advances in Mechanical Engineering, Mechanical Engineering Department, UCE, OU Hyderabad, A.P.-500 007, India	8-9, March 2012
22		"Identification of Growth Promoter to Fabrication of SiCp/Al2O3 Ceramic Matrix Composites Prepared by Directed Metal Oxidation of an Al Alloy	Oral Presentation at the National Conference on Recent Advances in Mechanical Engineering, Mechanical Engineering Department, UCE, OU Hyderabad, A.P.-500 007, India	8-9, March 2012
23	**D.Samuel John**	Supply chain management in Retail industry using RFID Technology in Global and Indian Scenario"	. International Journal of Indian Management ITIHAS vol 1 (2012)	ISSN: 1249-7803
24		Elucidation and Impact of Customer Relationship management on performance of a firm"	International Conference on Advances in Computer Science and Engg ICACSE-2013	ISBN : 978-93-5104-132-0
25		"Library Security using RFID Technology	National Conference NCLSM-2011 JNTUH,Hyderabad	pages:94-101 ISBN 978-93-

				81075-26-5.
26		Simulation analysis of working conditions with alternative fuels for HCCI Engine	. International Journal of Advanced Trends in Computer Science and Engineering, Vol.2 , No.1,Pages : 549-557(2013)	ISSN 2278-3091
27		"Experimental investigation of mechanical behaviour of Glass-epoxy composites"	International Journal of Advanced Trends in Computer Science and Engineering, Vol.2 , No.1, Pages : 541 – 548 (2013)	ISSN 2278-3091.
28		"Elucidation & Impact of Customer Relationship Management on Performance of Firm	International Journal of Advanced Trends in Computer Science and Engineering, Vol.2 , No.1, Pages : 67-71(2013)	ISSN 2278-3091
29		Experiemental investigation of mechanical behavior of Glass epoxy composites	International conference on advances in computer science and Engg ICACSE-2013	page no 730, ISBN:978-93-50-104-132-0.
30		Simulation analysis of working conditions with alternative fuels for HCCI Engine"	International Conference on Advances in Computer Science and Engg ICACSE-2013	ISBN : 978-93-5104-132-0
31	R.Sudarshan	"Comparison of Delamination Factor Models after Drilling of GFRP Composite Laminate using a Core Drill"	National conference at Geethanjali College of Engineering & Technology, Keesara, Hyderabad, Telangana, India.	January 30th &31st - 2015).
32		"Design and Analysis of Back up Roll Model	National conference at Geethanjali College of Engineering & Technology, Keesara, Hyderabad, Telangana, India.	(January 30th &31st - 2015).
33		"Thermal barrier coating for gas - turbine engine application"	National conference at St. Joseph's College of Engineering & Technology, Palai, Kerala, India.	(Jun. 2013).
34		"Finite Element Analysis of A Component Formed by Hydro – Forming Using FEA"	National Journal of Engineering and Management.	Volume 5 No. 2 (2012), pp. 17 – 20.
35		Dynamic Analysis Of An Articulated Robot Manipulator Made Of Composite Materials Using FEA"	**"**International Conference at St. Joseph's College of Engineering & Technology, Palai, Kerala, India	. (Jan. 2012).
36		"Experimental and Finite Element analysis of Impact Testing of Advanced Ceramic Composites"	International Journal of Engineering Research and Technology.	ISSN 0974-3154 Volume 4, Number 4 (2011), pp. 381-390
37		Design and Analysis of Two Wheeler Suspension System"	National Journal of Engineering and Management.	Volume 5 Number 1 (July-Dec. 2011), pp.

				52-56
38		"Static Analysis of an Articulated Robot Manipulator Made of Composite Materials using FEA"	International Journal of Engineering Research and Technology.	ISSN 0974-3154 Volume 4, Number 4 (2011), pp. 373-380
39	K.Raju	Analysis of Internal Damping in Rotating Shaft	International Journal of Advanced Mechanical Engineering.	ISSN 2250-3234 Volume 2, Number 1 (2012), pp. 1-10 © Research India Publications
40	GIRISH KUMAR PVR	THE INFLUENCE OF CUTTING PARAMETERS OF DIFFERENT COMPOSITES"	IJ-ETA-ETS, ISSN: 0974-3588.	
41		Influence of Cutting Parameters on Thrust Force, Torque and Temperature in Milling of E-Glass and Polyester Composites"	The International Journal of Science & Technoledge (ISSN 2321 – 919X).	
42		"Synthesis & characterization of epoxy filled silicon, wood dust with glass fiber reinforced hybrid composites"	National conference on innovative Reasearch in engineering and technology, conducted KV Subbareddy institute of technology, Kurnool, AP	25th April, 2015.
43		"Design and analysis of Back Up Roll Model" "Recent Advances in Materials Science and Manufacturing Engineering"	Geethanjali College of Engineering & Technology, Keesara, Hyderabad, Telangana, India.	30 -31 January, 2015.
44	U.Srikanth	Vibration Analysis for Gearbox Casing Using Finite Element Analysis	The International Journal Of Engineering And Science (IJES) ||Volume|| 3 ||Issue|| 2 ||Pages|| 18 - 36 || 2014 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805	
45		pressure drop analysis for a large air conditioner condenser	ISSN 2319-9725 VOL 14 ISSUE-2	

Sl. No.	Name of the Faculty with Designation	Title of the Research Publication	International Journal/ National Journal	Name of the Journal	Date of Publication/ Presentation
1	Dr. S. Ramana Murthy (Professor)	Preparation of Polymer+ferrite nanocomposites for EMI applications, Advanced	International	Material Science Materials in Electronics	Chapter 4 94-120, 11/2014

		polymer materials from nano length scales			
2	Dr. S. Ramana Murthy (Professor)	"Multiferroic properties of microwave sintered BaTio3-Srfe 12019 composites Sadhana Katlakuntaa" 448, (2014)323-326	Internatio nal	Material Science Materials in Electronics	448,323-326, 11/2014
3	Dr. S. Ramana Murthy (Professor)	"Synthesis and characterization of NiCuZnFe204+paraformal dehyde nano composites prepared using mechanical milling process"	Internatio nal	Material Science Materials in Electronics	456 235-239, 11/2014
4	Dr. S. Ramana Murthy (Professor)	"Structural and Magnetic properties of Zn substituted Nanocrystalline Col-XzNxfE204	Internatio nal	Material Science Materials in Electronics	Focus 3, 291-299,11/2014
5	Dr. S. Ramana Murthy (Professor)	Effect of Sm3+on dielectric and magnetic properties of Y3Fe5012 nano particles	Internatio nal	Material Science Materials in Electronics	11/(2014)25-30
6	Dr. S. Ramana Murthy (Professor)	Microwave Hydrothermal Synthesis and Electromagnetic properties of Nanocrystalline Y3-xDyxFe5012 garnets for microwave antenna applications	Internatio nal	Journal of Chem Tech.	Vol7,No.2,pp 2014-2015
7	Dr. S. Ramana Murthy (Professor)	Metal/Polymer nanocomposites for EMI applications	Internatio nal	Journal of Chem Tech Research	Vol7,No.2,pp 539-546,2015

20. Areas of consultancy and income generated: NIL

21. Faculty as members in
a) National committees: NIL
b) International Committees: NIL
c) Editorial Boards: NIL

22. Student projects
a) Percentage of students who have done in-house projects including inter departmental / programme: NA
b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: NA

23. Awards/ Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists/ visitors to the department

No	Name	Designation	Organization	Purpose of Visit	Year
1	Dr.Gupta	Professor	JNTUH	Guest Lecture	2013
2	Dr.P.RavinderReddy	Professor	CBIT	Workshop	2014
3	Dr.Sabresh	Asst.Professor	BITS	Chief Guest	2014
4	Dr..Subhananda Rao	Director R&D	VJCET	Guest Lecture	2015
5	Dr.BharatB.Panigrahi	Professor	IIT,Hyd	Guest Lecture	2015
6	Dr.Srinivasa Prakash	Professor&HOD	BITS,Hyd	Guest Lecture	2015

25. Seminars/ Conferences/Workshops organized & the source of funding:

- Two Days National Conference on "**Recent Advances in Materials Science and Manufacturing Engineering"** January 30th &31st 2015.

26. Student profile programme/course wise:

B. Tech:

No	Batch	Sanctioned Intake	Enrolled	Male	Female	Pass
1	2011-15	60	58	51	7	-
2	2012-16	60	56	52	4	-
3	2013-17	120	110	105	5	-
4	2014-18	120	96	94	2	-

M. Tech:

No	Batch	Sanctioned Intake	Enrolled	Male	Female	Pass
1	2013-15	18	13	12	1	-
2	2014-16	18	9	8	1	-

27. Diversity of Students:

Name of the course	% students from the same state	% students from the other state	% of students from abroad
B.Tech(ME) 2014-18	100	0	0%
B.Tech(ME) 2013-17	100	0	0%
B.Tech(ME) 2012-16	100	0	0%
B.Tech(ME) 2011-15	100	0	0%
M.Tech(MD)2014-16	100	0	0%
M.Tech(MD)2013-15	100	0	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :

Sl.	Name of the	2014-2015	2013-2014	2012-2013	2011-2012

No	Competitive Exam				
1	**UGC-CSIR-NET**	-	NA	NA	NA
2	**UGC-NET/ SLET**	-	NA	NA	NA
3	**GATE**	5	NA	NA	NA
4	**CAT / GRE**	18	NA	NA	NA
5	**TOFEL / GMAT**	19	NA	NA	NA
6	**Central /State services, Defense, Civil Services**	-	NA	NA	NA
7	**Any other competitive exams (give details)**	-	NA	NA	NA
	Total	42	NA	NA	NA

29. Student progression:

Sl. No.	Students Progress Towards	2014-2015	2013-2014	2012-2013	2011-2012
1	Higher Education	06	NA	NA	NA
2	Employment	12	NA	NA	NA

30. Details of Infrastructural facilities

a) **Library**

The Department has its own Library in addition to the Central Library with titles, volumes, course files, Lab manuals.

b) **Internet facilities for Staff & Students**

All the Staff and Students can use internet facility in the department.

Internet Service Providers:

c) Apollo Communication (P) Ltd - (22 Mbps)

d) Excel Media (P) Ltd - (08 Mbps)

c) **Class rooms with ICT facility**

An exclusive fully equipped CAD/CAM LAB is available to conduct ICT lectures. Apart from that any class room can be provided with ICT facility with the exclusive LCD projector and Laptops available in the department. Also the Seminar Hall is equipped with LCD projector.

d) **Laboratories**

The Department has 12 modern laboratories to serve the teaching and research needs of the students and faculty of the Department. All systems in computer Lab are connected to the Departmental LAN which is a part of the Institute wide area network.

Sr. No.	Name of Lab	Size (Sq.m)	Major equipments	Students / Expt
1	Engineering Workshop Lab	144	Smithy Forge and blower, Grinding Machine, Welding	1

			Machine, Swage Block, Anvil	
2	Mechanics of Solids Lab	77	Universal Testing Machine, Impact Testing machine, Torsion Testing machine,Brinell and Rockwell Hardness Testing Machines, Spring Testing Machine	3
3	Metallurgy and Material science Lab	77	Microscopes 50X,100X&450X, Disc Polishing Machine, Specimen Cutting Machine	3
4	Production Technology Lab	105	Hydraulic Press, Injection Moulding Machine, Spot welding Machine	3
5	Machine Tools Lab	105	All geared Lathe, Lathe with taper attachment, Radial Drilling Machine, Vertical Milling Machine, Grinding Machine, Slotting Machine, Shaping Machine, Tool and Cutter Grinding machine	3
6	Metrology Lab	105	Tool Maker's Microscope, Vernier Height Gauge, Sine bar and Slip Gauges, Dial Indicator	2
7	Thermal Engineering Lab	134	Two stroke petrol engine, Four stroke single cylinder petrol engine, Four stroke twin cylinder diesel engine, Air compressor	3
8	Heat Transfer Lab	105	Parallel and Counter flow heat exchanger, Stefan Boltzman Apparatus, Critical heat flux apparatus	2
9	Computer Aided Design Lab	77	Computers with I5 processor, 8GB RAM installed with AutoCAD Academic Version2015,ANSYS Academic Version 15.0	1
10	Computer Aided Manufacturing Lab	77	CNC Lathe PC based control, CNC Milling Machine with industrial controller	3
11	Instrumentation & Control Systems Lab	77	Pressure Gauge, Strain Gauge, Capacitive Transducer, LVDT Transducer	3
12	Kinematics & Dynamics Laboratory	94	Static & Dynamic balancing, Motorized Gyroscope, Vibration Measuring System	2

31. Number of students receiving financial assistance from college, university, Government or other agencies:

No	Name of Agency	No. of Students Received Financial Assistance			
		2014-15	2013-14	2012-13	2011-12
1	GOAP	172	143	60	27
2	JNTUH	--	--	--	--
3	Institution	4	2	--	--
4	Others	--	--	--	--

32. Details on student enrichment Programmes (special lectures / workshops / Seminar) with external experts:

No	Program Title	Resource Person Designation Affiliation	Purpose of Visit	No. of Students Benefited
1	Seminar on Cutting edge technologies	Ramco Systems, Hyderabad	Seminar	60
2	Workshop on Robo arm development	Robo Genesys, Bangalore	workshop	125
3	Guest Lecture on II Law of Thermodynamics	Dr. Gupta	Guest Lecture	60
4	Guest Lecture on FEM Analysis	Dr.P.Ravinder Reddy	Guest Lecture	150
5	Guest Lecture on Additive Manufacturing	Dr.A.Subhananada Rao	Guest Lecture	150
6	Development of New Class of Ductile Metallic-Ceramics	Dr.BharatB.Panigrahi	Guest Lecture	150
7	New Vistas of Manufacturing Technologies for Automotive and Energy Sectors	Dr.Srinivasa Prakash Regalla	Guest Lecture	150

33. Teaching methods adopted to improve student learning

- Students Feedback through class monitoring committees
- Student Class Room Seminars
- Student Paper Presentation
- Poster & Project Presentations
- Current Topics Discussion relevant to courses
- Covering Topics beyond syllabus
- Case-Study Approach
- JAM, Debates & Group discussions on Current Topics
- Interactive learning affective domain
- Soft skills & Exposure to communication skills
- Open access to latest Digital Literature
- Opportunities to participate in intercollegiate curricular activities
- Opportunity to participate in intercollegiate extracurricular activities

- Organizing industry visits to understand contemporary industry practices

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The NSS unit was started in our college in the academic year 2008-09 with around 250 volunteers. Mr. M. Ravindra Gandhi, Assistant Professor is the NSS Coordinators from the Dept. of ME

The NSS unit of the college provides social and community service in the near by villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:

1. Blood Donation Camp
2. Health Camp
3. Dental Camp
4. Tree plantation

Table: NSS Student Volunteers List of ME Department

S.No	Roll No.	Name	Contact No.	Class
1	13R11A0329	MAHENDER		II Mech A
2	13R11A0312	MANISH KUMAR		II Mech A
3	13R11A0350	PRIYANKA		II Mech A
4	13R11A0304	MOUNIKA		II Mech A
5	13R11A0373	RAJESH		II Mech B
6	13R11A0377	BHIKSHAPATHI		II Mech B
7	13R11A0378	GLLENDER		II Mech B
8	13R11A03A0	KRANTI		II Mech B
9	12R11A0302	KAVYA SREE		III Mech
10	12R11A0303	VISHAL		III Mech
11	12R11A0318	BALARAM KRISHNA		III Mech
12	12R11A0339	M.SHEETHAL		III Mech
13	11R11A0323	K.DEEPAK REDDY		IVMech
14	11R11A0326	VARUN KUMAR		IVMech

- Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.
- Providing required school material to the poor children.
- The Head Master of MP Primary School of Cheerayal and the Head Masters of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their school children. The students who are joining these schools are really very poor and it is truly a service to the society. The NSS activities

pitched in from the past three years. Proper accounts are maintained under NSS wing of GCET for the above.

35. SWOC analysis of the department and Future plans

In carrying out the SWOC analysis for Mechanical Engineering Program, a fair and a balanced approach has been adopted, taking into account all the facilities available under different sections. The evaluation of strengths and weaknesses are facilitated through surveys, questionnaires, information provided by various committees, documentation in the department, and also by the evidence provided by the faculty and other members of the department. While trying to figure out the opportunities and threats, the external influences are also taken into account. National and regional effects, influences and concerns are given paramount significance while deciding about the approach and plan of action to deal with weaknesses. Though no formal survey has been adopted to understand the opportunities and challenges, brainstorming, consulting people hailing from industry and discussions with senior faculty members, assessment of local, regional and international developments and a thorough review of existing conditions and literature of engineering education, has enabled us to identify the most relevant opportunities and threats.

Strengths

- Qualified and experienced faculty with industry experience
- Good number of research projects proposed
- Faculty with good number of Patents
- Well furnished and maintained laboratories

Weaknesses

- Inability to foster closer integration of departmental activities to meet the needs of the industry
- Negligible collaboration with industry
- Lack of interdisciplinary interface with other departments and institutions of higher repute

Opportunities

- Growing opportunities for self employment
- Adequate faculty to guide potential researchers
- Enhance employability to graduates with good industry institute interaction

Challenges

- Less motivated and higher ranking students taking admission in the college

Future plans:

- Establish full pledged EDC & CSR Cells of Excellence
- Encourage faculty & students to publish good quality research papers in national & international conferences, seminars & journals
- Start a separate website for Mechanical Engineering Department.
- Start semi-annual Mechanical Engineering bulletin
- Encourage faculty members to register for Ph.D. Programmes
- Depute faculty members for EDC Training

<<<>>>

Evaluation Report
of
IT Department

Evaluative Report of the Information Technology (IT) Department:

1. **Name of the department: Information Technology**

2. **Year of Establishment:** 2005

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):**

UG: B.Tech in **Information Technology**

4. **Names of Interdisciplinary courses and the departments/units involved: NIL**

5. **Annual/ semester/choice based credit system (programme wise):**

UG: Semester Based except 1st Year.

6. **Participation of the department in the courses offered by other departments:** Nil

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** UG program is discontinued from 2014-15 Academic year, as there is not much demand for this program.

9. **Number of teaching posts:**

Designation	Sanctioned	Filled
Professors	1	0
Associate Professors	2	2
Assistant Professors	9	14

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):

Sl. No.	Name of the Staff Member	Designation	Qualification			Experience		
			UG	PG	Ph.D	T	I	R
1	K. Srinivas	Assoc. Prof.	B.E (CSE)	M.Tech. (CS)	-	14	-	-
2	Y.Raju	Assoc.Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	9	-	-
3	S.Dedeepya	Asst.Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	5	-	-
4	K. Naresh Babu	Asst.Prof.	B.Tech. (CSIT)	M.Tech. (CSE)	-	6	-	-
5	Y. Siva	Asst.Prof.	B.Tech. (CSE)	M.Tech. (CST)	-	1	-	-
6	N. Chitra	Asst.Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	1	-	-

7	J. Bhanu Sri	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CSE)	-	F	-	-
8	G. Niveditha	Asst. Prof.	B.Tech. (CSE)	M.Tech. (CS)	-	F	-	-
9	N. Archana	Asst. Prof.	B.Tech. (IT)	M.Tech. (SE)	-	F	-	-
10	P. Swathi	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	6	-	-
11	Y. Swathi Teja	Asst. Prof.	B.Tech. (IT)	M.Tech. (SE)		4	-	-
12	B. Subba Rao	Asst. Prof.	B.Tech. (IT)	M.Tech. (SE)	-	F	-	-
13	E. Preethi	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)		1	-	-
14	M. Swapna	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)		F	-	-
15	M. Chitti Babu	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)		1	-	-
16	Ch. Divya	Asst. Prof.	B.Tech. (IT)	M.Tech. (CSE)	-	F		

Non-teaching staff:

S.No.	Name	Designation	Qualification	Experience		
				T	I	R
1	B. Harish Reddy	Programmer	B.Tech.	2	-	-

11. **List of senior visiting faculty:** Nil.

12. **Percentage of lectures delivered and practical classes handled (programme wise) by Temporary faculty:** No temporary faculties are in rolls

13. **Student -Teacher Ratio (programme wise):**

Program/Course	**Total faculty members**	**Students**	**Faculty : Student**
B. Tech	16	180	1 : 11.3

14. **Number of academic support staff (technical) and administrative staff; sanctioned and Filled:**

	Sanctioned	**Filled**
Academic Support Staff	02	02
Administrative Staff	01	01

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:**

Qualification	**No. of faculty**

Dsc/D.litt	-
Ph.D	NIL
M Phil	-
PG (ME / M.Tech)	16

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** NIL

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:** NIL

18. **Research Centre / facility recognized by the University:**

- Recognized as R&D Center by DSIR (SIRO), Govt. of. India.

19. **Publications:**

a) **Publication details of the staff**

2014-15

S.No	NameOf Faculty	International Journal	International Conference	National Conference
1.	S.Dedeepya	1	Nil	Nil
2.	N. Archana	1	Nil	Nil

2013-14

S.No	Name Of Faculty	International Journal	International Conference	National Conference
1	C.R.S.G.Rao	3	Nil	Nil
2	Y.Raju	2	Nil	Nil
3	S.Dedeepya	2	Nil	Nil
4	P.Swetha	1	Nil	Nil

2012-13

S.No	Name Of Faculty	International Journal	International Conference	National Conference
1.	M.Sreedhar Reddy	1	1	1
2.	K.Srinivas	1	2	Nil
3.	R.C.Appala Naidu	1	Nil	Nil
4.	Y.Raju	1	Nil	1
5.	P.Rajashekar	1	Nil	Nil

20. **Areas of consultancy and income generated**: Nil

21. Faculty as members in

a) **National committees**: NIL
b) **International Committees**: NIL
c) **Editorial Boards:** NIL

22. **Student projects**

a) **Percentage of students who have done in-house projects including inter departmental/ Programme:** 20%

b) **Percentage of students placed for projects in organizations outside the institution**

i.e. in Research laboratories/Industry/other agencies: 80%(In Govt. Organizations like ECIL, ISRO, NSIC, HCL)

23. **Awards/ Recognitions received by faculty and students:**

a) Faculty: NIL

b) Students:

- The scholarship is provided to the topper in branch for all years of students.
- The following are details of IT students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

Academic year 2013-14

S.No.	Year	Roll No	Name Of The Studen	%	Rank	Prize money
1	I-Year	13R11A1252	V .Pradeep Reddy	75	First	3000
2	II-Year	12R11A1215	G.V.N.S.Harshitha	76.86	First	3000
		12R11A1243	P.Nivedhitha	76.06	Second	3000
3	III-Year	11R11A1201	A.Kavya	74.33	First	3000
		11R11A1202	A.Srilekha	73.73	Second	3000
4	IV-Year	10R11A12B0	S.Sowjanya	85.35	First	3000
		10R11A1282	G.Supriya	81.60	Second	3000

Academic year 2012-13

S.No.	Year	Roll No	Name Of The Studen	%	Rank	Prize money
1	I-Year	12R11A1298	N.Padmaja	83.30	First	7000
		12R11A1214	G.Anusha	81.50	Second	3000
2	II-Year	11R11A12A7	T.Anusha Chowdhary	76.35	First	7000
		11R11A1232	M.Yamuna Devi	76.26	Second	3000
3	III-Year	10R11A12B0	S.Sowjanya	74.36	First	7000
		10R11A1283	G.Ramalakshmi Sannihi	73.76	Second	3000
4	IV-Year	09R11A1226	G.Sravani	86.93	First	7000
		09R11A1235	K.Mamatha Reddy	86.06	Second	3000

Academic year 2011-12

S.No.	Year	Roll No	Name Of The Studen	%	Rank	Prize Money
1	I-Year	11R11A1264	B.C.Preethi Jahnavi	83.9	First	10,000
2	II-Year	10R11A1289	K.Sujatha	77.73	First	10,000
3	III-Year	09R11A1226	G.Sravani	83.46	First	10,000
4	IV-Year	08R11A1247	Priya Gana Pathi	81.53	First	10,000

Paper Presentation 2014-15

S.No	Student Name	College Name - Topic Name	Participant/Winner
1.	P.Sri Muki	Mahatma Gandhi Institute of Technology(PAPER)	Second Prize
2.	K.Sneha	Mahatma Gandhi Institute of Technology(PAPER)	Second Prize
3.	G.Anusha	Sridevi Engineering College(QUIZ)	Second Prize
4.	B.V.N.S.Harshitha	BVRIT(PAPER)	Participated
5.	Sharanya	CBIT(PAPER)	Participated

Paper Presentation 2013-14

S.No	Student Name	College Name - Topic Name	Participant/ Winner
1.	Snehalatha Pandey	Aurora College Of Engg And Technology-Haptic Technology Gitam-Sixth Sense NIT Warangal-Visual Wiki	Winner
2.	V.Nachiketha	NIT Warangal- Visual Wiki	Participant
3.	K.Shivani	Aurora College Of Engg And Technology-Braigate Technology, SNLST, CMR-Electronic Voting	Participant
4.	V.Sharmila Krishna	CBIT-Cloud Computing Gitam-Sixth Sense NIT Warangal-Visual Wiki	Participant

Paper Presentation 2012-13

S.No	Student Name	College Name - Topic Name	Participant/Winner
1.	E.Sowjanya	Aurora College Of Engg & Technology- Brain gate Technology, SNLST, CMR-Electronic Voting	Participant
2.	Kalpana.P	CVR-Kerberos, VNR-Cloud Computing	Participant
3.	Manasa	VNR-Bio Metrics	Participant
4.	Raja Rao	Gurunanak College Of Engg&Tech-Mobile Appliacation Development	Participant
5.	Bhargavi Raj	VNR-Steganography	Participant
6.	Srilekha	VNR-Speech Recognition,	Participant

		BITS-Verba Maximus, CMR	
7.	A.Nagasravya	Sai-Sudheer Institute of eng & Tech-PPT	Participant
8.	K.Nagasravani	Sai-Sudheer Institute of eng & Tech-PPT	Participant
9.	K.Sravya	Sai-Sudheer Institute of eng & Tech-PPT	Winner
10.	Sankeerth	Srinidhi-Mobile phone cloning	Participant
11.	Manish	Srinidhi-Mobile phone cloning	Participant
12.	Sravani	ACE Engg college	Winner
13.	*Srinivas*	*ACE engg college*	*Participant*
14.	Dinesh	ACE engg college	Participant
15.	Sruthi	Gokaraju rangaraju college-mobile phone sniffer	Participant
16.	Deepika	Gokaraju rangaraju college- mobile phone sniffer	Participant
17.	Manish	Gokaraju rangaraju college-brain gate	Participant
18.	Praneeth	Gokaraju rangaraju college- brain gate	Participant

Paper Presentation 2011-12

S.No	Student Name	College Name -Topic Name	Participant/Winner
1.	Sai mohith	ACE engg college-Paper Presentation	Winner
2.	Megha Padiyar	Gurunanak College Of Engg&Tech- Tempest and echelor	Participant
3.	Preethi Jahnavi	Gurunanak College Of Engg&Tech- Tempest and echelor	Participant
4.	Sunandini	Gurunanak College Of Engg&Tech-neural interfacing	Participant
5.	S.Vidya	Gurunanak College Of Engg&Tech, Spoorthy college of engg&Tech,	Participant
6.	Sai ramya	Sreenidhi-kerbor OS, Spoorthy-semantic web	Participant

24. List of eminent academicians and scientists/ visitors to the department:

- Dr.M.V.N.K.Prasad, Associate Professor, IDRBT, Hyderabad
- Dr. Kamakshi Prasad, Professor, JNTUH,Hyderabad
- Dr. T. Venugopal, Associate Professor, JNTU, Jagityala

25. Seminars/ Conferences/Workshops organized & the source of funding:

Academic year 2014-15: Workshops

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Spot Fire	Mr Kiran	19-09-2014

Academic year 2014-15: Guest Lecture

S.No	Module Description	Resource persons	Dates conducted on
1	Guest Lecture on Data Mining	Dr P.Krishna Reddy	23-09-2014
2	Guest Lecture on Information Retrieval Systems	Dr.Sammeen Fathima	14-08-2014
3	Guest Lecture on Android applications	Mr.Sujith Majety	29-09-2014

Academic year 2014-15: FDP

S.No	Module Description	Resource persons	Dates conducted on
1	FDP on GO GREEN	Mr Jaya Prakash	02-03-2015

Academic year 2013-14: Seminars

S.No	Module Description	Resource persons	Dates conducted on
1	Seminar on Improvement of Interview Skills	Mr Chaithanya Vaddi	13-09-2013
2	Seminar on Placement Orientation	Syed Noor MD Shakeer	21-08-2013

Academic year 2013-14: Workshop

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Information Security Education and Awareness	Mr.RaviKiran	07-08-2014
2	Workshop on Spot Fire	Mr Kiran	19-09-2014

Academic year 2013-14: Guest Lecture

S.No	Module Description	Resource persons	Dates conducted on
1	Guest Lecture on Data Mining	Dr P.Krishna Reddy	23-09-2014
2	Guest Lecture on Information Retrieval Systems	Dr Sammeen Fathima	14-08-2014

Academic year 2013-14: FDP

S.No	Module Description	Resource persons	Dates conducted on
1	FDPon Impending Applications Of Image Processing And Machine Learning	Dr.Kumar Eswaran Dr.B. Anuradha Dr.Suresh Pabboju Dr.Y.Ramadevi Dr. B. Sandhya Dr.Dasika Ratna Deepti	28-06-13 29-06-13

Academic year 2012-13: Seminars

S.No	Module Description	Resource persons	Dates conducted on
1	Seminar on Real Software Implementation and Issues	Mr.Prashanth	21-07-2012

Academic year 2012-13: Workshop

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on web services and Firewalls	V. Shiva Narayan Reddy	09-02-2012
2	Webinar on Data mining	Prof. S.Lakshmivarahan of Oklamaha State University,USA.	05-02-2012
3	Workshop on EJB's And JAVA Server Pages	Mr.Bhanu Murthy	04-04-2012

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Android Development and Technical Issues	Mr.HariKesh	26-02-2013

26. Student profile programme/course wise:

B.Tech

B.Tech	Number of students admitted including lateral entry	Number of students enrolled		Pass Percentage
		Male	Female	
2013	54	33	21	-
2012	116	69	47	-
2011	115	42	73	-
2010	120	59	61	80.83
2009	114	62	52	76.31
2008	121	66	54	84.29
2007	60	-	-	80.00
2006	66	-	-	69.69
2005	54	-	-	55.56

27. Diversity of Students:

Year	Name of the Course/ Program	% students from the same state	% students from the other state	% of students from abroad
2013	B.Tech IT	100	0	0
2012		100	0	0
2011		100	0	0
2010		100	0	0
2009		100	0	0
2008		100	0	0
2007		100	0	0
2006		100	0	0
2005		100	0	0

28.How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc? ?

Sl. No	Name of the Competitive Exam	2014-2015	2013-2014	2012-2013	2011-2012
1	UGC-CSIR-NET		-	-	-
2	UGC-NET/ SLET		-	-	-
3	GATE		-	-	2
4	CAT / GRE		2(CAT/ICET)	-	-
5	TOFEL / GMAT	16(GRE&TOFEL)	3(GRE&TOFEL)	6(GRE&TOFEL)	6(GRE&TOFEL)
6	CENTRAL /STATE SERVICES, DEFENCE, CIVIL SERVICES		-	-	-
7	ANY OTHERCOMPETITIVE EXAMS (GIVE DETAILS)		-		-
	TOTAL	16	5	6	8

29. Student progression: Percentage of students progressing to higher education or employment for the last four batches.

Sl. No.	Students Progress Towards	2014-2015	2013-2014	2012-2013	2011-2012
1	Higher Education	15	6	5	8
2	Employment	68	38	67	22

30. Details of Infrastructural facilities:

a) Library

The departmental Library is stocked with 303 numbers of titles, 313 numbers of volumes

Exclusively for faculty, to provide adequate learning opportunities to enhance their knowledge on various concepts.

b) Internet facilities for Staff & Students

Each faculty room is equipped with computers and internet connections. All systems in Labs and Department are provided with internet facility.

Internet Service Providers

e) Apollo Communication (P) Ltd - (22 Mbps)
f) Excel Media (P) Ltd - (8 Mbps)

c) Class rooms with ICT facility

A fully equipped E-class room is available exclusively to conduct ICT lectures. All the class rooms are provided with ICT facility with the LCD projectors and Laptops are also available in the department. All the laboratories are also equipped with LCD projectors.

d) Laboratories

S.No	Curriculum Lab Description	Exclusive Use/Shared	Space/No.of Students	No.of experiments	Quality Of Instruments	Lab Manuals
1	DBMS Lab	Exclusive	132SQM/60	20	BLX+ ArmII Processor with 800 MHZ,128 MB of RAM,128 MB flash loaded with WIN CE 60,# USB	Yes
2	Java Programming Lab	Exclusive	132 SQM/60	12	BLX+ ArmII Processor with 800 MHZ,128 MB of RAM,128 MB flash loaded with WIN CE 60,# USB	Yes
3	WT&DW Lab	Exclusive	132SQM/60	24+10	BLX+ ArmII Processor with 800 MHZ,128 MB of RAM,128 MB flash loaded with WIN CE 60,# USB	Yes
4	AELCS Lab	Exclusive	78 SQM/60	10	HP Pro 3005	Yes

31. Number of students receiving financial assistance from college, university, government or other agencies:

The scholarship is provided to the topper in each branch for all years of students

The admission procedure for SC/ST/OBC/EWS students is as per the reservation policy of the State Government. Fee reimbursement is given by the state government to the SC/ST/OBC/ EWS students.

Table: Scholarship details of last four years

No	Name of Agency	No. of Students Received Financial Assistance			
		2014-15	2013-14	2012-13	2011-12
1	Govt. of AP	**119**	**171**	**183**	**170**
2	JNTUH				
3	GCET		**7**	**8**	**4**
4	Others	**-**	**-**	**-**	**-**

32. Details on student enrichment programmes (special lectures / workshops / seminars with external experts

Academic year 2014-15: Workshops

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Information Security Education and Awareness	SujithMajeti	07-08-2014

2	Workshop on Spot Fire	Mr Kiran	19-09-2014

Academic year 2014-15: Guest Lecture

S.No	Module Description	Resource persons	Dates conducted on
1	Guest Lecture on Data Mining	Dr P.Krishna Reddy	23-09-2014
2	Guest Lecture on Information Retrieval Systems	Dr.Sammeen Fathima	14-08-2014
3	Guest Lecture on Android applications	Mr.Sujith Majety	29-09-2014

Academic year 2013-14: Seminar

S.No	Module Description	Resource persons	Dates conducted on
1	Seminar on Improvement of Interview Skills	Mr Chaithanya Vaddi	06-02-2014
2	Seminar on Placement Orientation	Syed Noor MD Shakeer	08-8-2013

Academic year 2013-14: Workshop

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Information Security Education and Awareness		07-08-2014
2	Workshop on Spot Fire	Mr Kiran	29-09-2013

Academic year 2013-14: Guest Lecture

S.No	Module Description	Resource persons	Dates conducted on
1	Guest Lecture on Data Mining	Dr P.Krishna Reddy	23-09-2014
2	Guest Lecture on Information Retrieval Systems	Dr Sammeen Fathima	14-08-2014

Academic year 2012-13: Seminar

S.No	Module Description	Resource persons	Dates conducted on
1	Seminar on Real Software Implementation and Issues	Mr.Prashanth	12-03-2013

Academic year 2012-13: Workshop

S.No	Module Description	Resource persons	Dates conducted on
1	Workshop on Android Development and Technical Issues	Mr.HariKesh	07-09-2012

33. Teaching methods adopted to improve student learning

1. Higher usage of ICT: LCD/Web usage etc.,
2. Assignments that improve critical thinking
3. Exhibition of the students' understanding of the concepts through demonstration of mini
   Projects and main projects
4. Expert lectures from industry professionals
5. Espousal of mentorship for overall and holistic development of students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

National Service Scheme (NSS) Unit:

The NSS unit was started in our college in the academic year 2008-09 with around 250

volunteers.

The following are NSS Coordinators from the Dept. of CSE and IT

1. Mr. B. Srinivas, Associate Professor
2. Mr. S. Ramanjaneyulu, Assistant Professor

- The NSS unit of the college provides social and community service in the nearby villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:

5. Blood Donation Camp
6. Health Camp
7. Dental Camp
8. Tree plantation

Table: NSS Volunteers List of IT Department (2014-15)

S.No	Roll No.	Name	Year and Section
1	13R11A1244	BHARAT	II IT
2	13R11A1232	RAGHU RAM	II IT
3	13R11A1231	N LAXMI PRIYA	II IT
4	13R11A1246	ISHA	II IT
5	12R11A1242	NIROSHA R	III IT A
6	12R11A1221	SUSHMA I S V K	III IT A
7	12R11A1206	VIKKY AMBARKAR	III IT A
8	12R11A1205	ALLA SAMPATH YADAV	III IT A
9	12R11A1297	NIDHI KURMI	III IT B
10	12R11A1298	PADMAJA	III IT B
11	12R11A1262	A SASANK	III IT B
12	12R11A12A2	RAHUL KISHORE	III IT B

- Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and distributed to the students of Primary School at Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.
- Providing school items to the poor children.
- The Head Master of MP Primary School of Cheeryal and the Head Master of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their students.. The students who are joining these schools are really very poor and it is truly a service to the society, if we help them by providing the required material for their studies. We are doing this service for the

last 3 years.. Proper accounts will be maintained under NSS wing of GCET for the above.

35. SWOC analysis of the department and Future plans

a) Strengths:

- ✓ Well qualified faculty.
- ✓ Well experienced lab assistants.
- ✓ Spacious class rooms and laboratories.
- ✓ Separate faculty rooms with cabins.
- ✓ Internet facility to all Professors and Associate Professors.
- ✓ Exclusive departmental Library.
- ✓ Periodical mentoring the students by faculty.
- ✓ Well defined program assessment (including Program Educational Objectives, course learning outcomes, and instruction assessments).
- ✓ Regular parents teacher meetings.

b) Weaknesses

- ✓ Not many High rank students are getting admissions because of growing number of engineering colleges.
- ✓ Enough number of students are not appearing for GATE/ CAT.
- ✓ 100% placement is not getting possible.

c) Opportunities

- ✓ Increasing number of firms visit campus for better Placements
- ✓ Exposure to R&D projects.

d) Challenges

- ✓ Mushrooming engineering Universities who attract top talent students
- ✓ Getting Ph.D qualified faculty
- ✓ Rapidly changing technologies that are beyond the current curriculum

e) Future Plans

- ✓ To undertake Research and Development on large scale involving faculty from all departments.
- ✓ To achieve 100% placements.
- ✓ To prepare the students to go for higher studies in well reputed institutes like IITs.
- ✓ To improve the pass percentage to 100%.
- ✓ To improve the faculty retention.

<<<>>>

Evaluation Report of Civil Engineering Department

Evaluation Report of the Civil Engineering (CE) Department

1. Name of the department: Civil Engineering

2. Year of Establishment: 2014

3. Names of Programmes / Courses offered:

UG: B. Tech : Civil Engineering

PG: M. Tech: Nil

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system (programme wise):

UG : Semester Based (other than the 1st year B.Tech program)

6. Participation of the department in the courses offered by other departments:

Faculty will provide their services to other departments to satisfy the academic requirements of department specific subjects.

S. No	Program	Course offered by other departments
1	Nil	Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	**1**	**3**
Associate Professors	**2**	**1**
Assistant Professors	**5**	**5**
Total	**8**	**9**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,):

Sl. No.	Name of the Staff Member	Designation	Qualification			Experience		
			UG	PG	Ph.D	T	I	R
1	**Dr. Ravi Varma Rambha**	Professor & HOD	B.Sc	M.Sc	Ph.D	1	10	2
2	**B. Uma Chandra**	Professor	BE	M.E	-	-	17	-
3	**G.R. Ravinder Reddy**	Professor	B.Tech	M.Tech	-	-	10	-
4	**P. Jaya Chandra Reddy**	Assoc Prof	B.Tech.	ME	-	-	10	-
5	**Mohd. Abdul Khadeer**	Asst.Prof.	B.E	M.E	-	1	-	-
6	**N. Jnanadev Reddy**	Asst.Prof.	B.Tech	M.S	-	3	-	-
7	**P. Srinivas**	Asst.Prof.	B.Tech	M.E	-	-	21	-
8	**Md. Osman Ghani**	Asst.Prof.	B.Tech	M.Tech	-	-	-	-
9	**G.Nithin Kumar Reddy**	Asst.Prof.	B.Tech	M.Tech	-	1	1	-

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student –Teacher Ratio (programme wise)

UG – 1:13.3

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

Type of staff	Sanctioned	Filled
Support staff (technical)	2	1
Administrative staff	1	0

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil/ PG:

Qualification	No. of faculty
Dsc/D.litt	-
Ph.D	1
M Phil	-
PG (ME / M.Tech)	8
B.Tech	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre / facility recognized by the University: NIL

19. Publications (last four years):

S.No.	Name of the faculty	Title	Journal	
1	G Nithin Kumar Reddy	Partial Replacement of Sodium Bentonite and polymer Balls on Cement Mortar	International journal of Scientific Research	P 296 Vol 4, Issue 5 May 2015 ISSN No. 2277-8a79

20. Areas of consultancy and income generated: Not significant

21. Faculty as members in

a) National committees: NIL

b) International Committees: NIL

c) Editorial Boards: NIL

d) Professional Body membership: Nil

22. Student projects : NA

23. Awards/ Recognitions received by faculty and students:

Faculty: NIL

Students: Nil (Department started in 2014 only)

24. List of eminent academicians and scientists/ visitors to the department: NIL

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

26. Student profile programme - course wise:

Batch	Name of the program	Intake (including lateral entry)	Selected for exams	Enrolled		Total Pass	Pass percentage (all four years)
				Male	Female		
2014-18	B.Tech CE	120	NA	74	11	NA	NA

27. Diversity of Students:

Name of the course	% students from the same state	% students from the other state	% of students from abroad
B.Tech (CE)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?: NA (Department started in 2014 only)

29. Student progression: NA (Department started in 2014 only)

30. Details of Infrastructural facilities:

a) Library

Department library is being established.

b) **Internet facilities for Staff & Students**

All the staff and Students can use internet facility in the department.

Internet Service Providers:

Apollo Communication (P) Ltd - (22 Mbps)

Excel Media (P) Ltd - (8 Mbps)

c) **Class rooms with ICT facility**

Total class Rooms available: 2

Total Tutorial halls Available: 1

d) **Laboratories**

The Department has 2 modern laboratories to serve the teaching and research needs of the students and faculty of the Department.

Table: Lab Details of CIVIL Department

Si.No.	Name of the Department	UG / PG	Name of the Lab	Block No.	Room No.	Area
1	CIVIL	UG	Strength Of Materials	III	Gnd floor	66 Sq.Mtrs
2	CIVIL	UG	Surveying	III	2nd floor	66 Sq.Mtrs

e) Faculty Cabins:

S.No	Room Description	Usage	Shared/ Exclusive	Capacity
1	-	Cabin for HOD	Exclusive	20 Sqm
2	-	Professors Cabin- 1	Exclusive	20 Sqm

31. Number of students receiving financial assistance from college, university, government or other agencies:

No	Name of Agency	No. of Students Received Financial Assistance in AY			
		2014-15	2013-14	2012-13	2011-12
1	State Govt(SC/ST/BC/EBC/OBC)	38	NA	NA	NA
2	JNTUH	--	--	--	
3	Institution	-	NA	NA	NA
4	Others	--	--	--	

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: NIL (Department started in 2014 only)

33. Teaching methods adopted to improve student learning

- Visual teaching methods like OHP sheets, video lectures, NPTEL lectures, You tube videos etc.
- Department organizing Seminars, workshops, Technical Quizzes, and Guest lectures.
- Faculty members prepare Course files & lecture notes for all subjects
- Development of student support material for average and below average learners and enthusiastic learners.
- Encouraging Mini Projects as a part of project method of teaching.
- Formulation of cooperative learning groups to improve peer group interaction.
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Our Institute offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Structures.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- The students are encouraged to become members of student chapters of ICI, IEI, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NSS activities: NA (Department started in 2014 only)

35. SWOC analysis of the department and Future plans

Strengths:

- Department has Qualified and experienced faculty members, with 3 Professors (One faculty is with Ph.D), and one Associate Professor.
- Some of the faculties have international Experience, which can be used to explore global competence and implementing international pedagogy.
- Department has two well equipped and spacious laboratories.

Weaknesses:

- As the Department established in 2104, developing the Infrastructure & Library is bit challenging.
- Labs have to be established for final and pre-final year students.

Opportunities:

- Hyderabad being rich in Infrastructure, Construction and with large number of faculty in the age group of 35 to 40 who are currently pursuing their Ph. D would contribute immensely to various construction companies through training and consultancy, upon the completion of their Ph.D. Also, there are good job opportunities to the CIVIL students in INDIA, WESTERN & GULF COUNTRIES, as there are many CONSTUCTION works are going on.
- **Telangana State Chief Minister** has started prestigious project of **WATER GRID** and **MISSION KAKATIYA, which generates** thousands of jobs to CIVIL Engineers when they step out with Degree.

Challenges:

- As the college is ten years old, it is yet to become autonomous. Also, with out autonomous status, getting funds from TEQIP etc. is not possible.
- Owing to the fact that the college is relatively young, it is unable to attract top rankers students.
- The college has very good transportation facility. But, it is located on the outskirts of Hyderabad. The commuting time is more for many students and faculty.

Future Plans:

- To establish Center Of Excellence in Structural Engineering..
- To enrich R&D Activities.
- To become autonomous at the earliest

<<<>>>

Evaluation Report of MBA Department

Evaluation Report of the Master of Business Administration (MBA) Department:

1. Name of the department: Master of Business Administration (MBA)

2. Year of Establishment: 2006

3. Names of Prog./Courses offered PG: MBA

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system: MBA Semester System with Credits

6. Participation of the department in the courses offered by other departments

No	B. Tech.(Course Offered by Other Department)	Title
1	B. Tech.(Mechanical Engineering)	MEFA & MS
2	B. Tech.(Electrical &Electronics Engineering)	MEFA & MS
3	B. Tech.(Electronics & Communication Engineering)	MEFA & MS
4	B. Tech.(Computer Science Engineering)	MEFA & MS
5	B. Tech.(Information Technology)	MEFA & MS
6	MCA	AFM & OSPM

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/Programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts: 08 Nos

No	Designation	Sanctioned	Filled
1	Professor	1	1
2	Associate professor	2	1
3	Asst. professor	5	7

10. Faculty profile with name, qualification, designation, specialization,(D.Sc/D.Litt./ Ph.D./ M. Phil. etc.,):

No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students Guided
1	Dr. M. Srinivas	M.Com. MBA, Ph. D.	Professor	Finance	26	--
2	Mr. Kalyan Jyothi	B.Tech., MBA	Asst. Prof.	Human Resources & Systems	7	--
3	Ms. BPS Jyothi	MBA	Asst. Prof.	Human Resources	5	--
4	Mr. KNP Reddy	M.Com. & MBA	Asst. Prof.	Marketing	5	--
5	Mr. P. Upender	MBA	Asst. Prof.	Finance	4	--
6	Mr. AI Prashanth	MBA	Assoc. Prof.	Marketing	8	--
7	Ms.V Shravani	MBA	Asst. Prof.	Finance	0	--
8	Ms. Neha Singh	MBA	Asst. Prof.	Human	6	

				Resources		
9	Mr.Abhilash	MBA	Asst. Prof.	Marketing	0	--

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty : NIL

13. Student -Teacher Ratio (Programme Wise): 1:13.33

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 2

No	Description	Sanctioned	Filled
1	Academic Support Staff(Technical)	2	2
2	Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

No. of faculty with D.Sc./D. Litt.	No. of faculty with Ph.D.	No. of faculty with M. Phill.	No. of faculty with PG(MA/M.COM/M.SC/MBA)
Nil	1	Nil	8

16.Number of faculty with ongoing projects from funding agencies and grants received :
a) National : NIL
b) International : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications (Last 4 Years):
a) Publication per faculty:

No	Name	No. of Publi-cations	Mono-graphs	Chapter in Books	Books Edited	Books with ISBN/ ISSN with details of publisher	Citation	No. of publications with impact factor
1	Dr. M. Srinivas	15	--	--	--	--	--	--
2	Mr. Kalyan Jyothi	2	--	--	--	--	--	--
3	Ms. BPS Jyothi	2	--	--	--	--	--	--
4	Mr. KNP Reddy	2	--	--	--	--	--	--
5	Mr. P. Upender	3	--	--	--	--	--	--
6	Mr. AI Prashanth	--	--	--	--	--	--	--
7	Ms.V Shravani	--	--	--	--	--	--	--
8	Ms. Neha	1	--	--	--	--	--	--

	Singh							
9	Mr.Abhilash	--	--	--	--	--	--	--

Faculty Publications (AY2013-14).

No.	Name of faculty	Details of Research Publication	Year of Publishing
1	Dr. M. Srinivas, Mr. KNP Reddy & Mr. J. Kalyan	International Conference, GRIET,Hyd	Oct-13
2	Dr. M. Srinivas, & Mr. P. Upender	International Conference, GRIET,Hyd	Oct-13
3	Dr. M. Srinivas, Mr. P. Upender & BPS Jyothi	International Conference, GRIET,Hyd	Oct-13
4	Dr. M. Srinivas	National Journal(ICAI-New Delhi)	July-13

Faculty Publications (AY 2011-12).

S.No	Name of the Faculty	Particulars	Month & Year
1	Dr. M. Srinivas	"Issues & Challenges in Micro Credit-Role of SHGs/MFIs"	Feb-2012
2	Dr. M. Srinivas	"Institutional Delivery Inter Regional & Inter Institutional Disparities-A Quantitative Approach"	Feb-2012
3	Mr.Kesav Koundinya	National seminar on "Trends in Retailing" personated a paper on "Recent Trends in Retail Industry" in CMR, Knadla Koya, Hyd	Jan 2012

20. Areas of consultancy and income generated : NIL

21. Faculty as members in
a) National committees : NIL
b) International Committees : NIL
c) Editorial Boards : NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental / programme : Finance & Marketing- 100% in-house and HR Specialisation 100% outside in PSUs like ECIL, NFC, NSIC, APSFC

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : 49% with SBI

23. Awards/ Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists/ visitors to the department

S. No	Name	Designation	Affiliation	Purpose of Visit	Year
1	Mr. K. Pradeep Kumar	HR-Head	ITC, Hyd	Expert Resource Person for FDP	2011
2	Dr. A. Viswantham	R&D Head	BHEL	Expert Resource Person for FDP	2011
3	Prof.GSP Rao	Assoc.Prof. &	SAPGC-OU	Business Games	2011

		Corp. Trainer			
4	Dr. NVS Raju	Prof. & Head	JNTUJ-Karimnagar	TQM-Guest Lecture	2012
5	Dr. A. S Rao	Prog. Director	ISB Hyd	Competence Frame Work	2012
6	Mr. Abishanth	Ex.Trainer-ADP	Freelancer	Softskills	2012
7	Dr. K. Ravichndran	Professor	OU	Emotional Intelligence	2012
8	Dr. K. Vijayasri	Dean-EDC	OU	Soft skills	2012
9	Prof. NVL Addanki	Dean-Acad	GCET	Project Financing	2012
10	Dr. D. Raghunatha Reddy	Prof. & Chairman-BoS	SMS-JNTUH-Hyd	Project Viva Voce Examiner	2013
11	Dr. M. Sudhir Reddy	Professor	SMS-JNTUH-Hyd	Project Viva Voce Examiner	2013
12	Dr. VM Prasad	Professor	SMS-JNTUH-Hyd	Project Viva Voce Examiner	2013
13	Dr. A. Prabhukumar	Professor	SMS-JNTUH-Hyd	Project Viva Voce Examiner	2013
14	Dr. Garikipati Narasimha Rao	Professor	SCCE &	Motivational Lecture	2013
15	Dr. CS Reddy	Head	ICSI-Hyd Chapter	Guest Lecture IAP	2013
16	Dr. ST Rajmohan	Dean-Admn	GCET	Motivational Lecture & Induction Prog. MBA	2013
17	Prof. KS Rao	Dean -Acad	GCET	Student Campus Behaviour & Induction Prog. MBA	2013
18	Mr. Rathod	Business Manager	TMH	Business Games & Simulations	2013
19	Dr. V. Mohan	Adjunct Prof.	JNTUH	EXIM Policy	2013
20	Mr. J. S. Anand	GM-Finance	ECIL	Project Report Preparation	2013
21	Prof. V. N. Kumar	DGM-HR			2013
22	Dr. P. Malyadri	Principal	VDC	Project Preparation	2013
23	D. Vigneswar	GM-Sales	JBNB-Paribus	Online Trading	2013
24	Prof. Abhirama Krishna	Director	SSBS-Hyd.	Expert Resource Person for FDP	2014
25	Sri Y Srinivasulu	Centre Head	CMC-Hyd	Guest Lecture	2014
26	Mr. S. Vinay Kumar	CEO	Datawise Solutions, Hyd	Guest Lecture	2014
27	Dr. M. Indira Rani	Professor & ACE	DME-JNTUH, Hyd	Guest Lecture	2014
28	Dr. GK Viswanath	Professor & DAP	DCE-JNTUH, Hyd	Guest Lecture	2014
29	Dr. T. Surender Reddy	Director	EDC-SNIST-Hyd	Guest Lecture	2014
30	Dr. TKV Raghavan	Professor	GCET	Motivational Lecture	2014
31	Dr. PL Sai Kumar	Professor	IPE-OU-Hyd	Guest Lecture	2015

25. Seminars/ Conferences/Workshops organized & the source of funding: Internal

a) National :

<u>Guest lecturers / Seminars Conducted by MBA Department</u>

Academic Year 2014-15

S.No	Title	Event	Resource Person & Designation	Date
1	Career and Employability skills	Motivational Lecture	Dr. ML Sai Kuma (Prof. IPE)	06.4.2015
2	Products in Banking Sector, Career Opportunities, Preparation of Bankable Projects & Expectations from MBA Students in this Direction	Guest Lecture	A.L. Nageswara Rao(Retd., GM-Andhra Bank)	06-01-15
3	On Line Trading with BSE/NSE	Guest Lecture	Mr. Santhosh Reddy	12-11-14

Academic Year 2013-14

S.No	Title	Event	Resource Person & Designation	Date
1	Career orientation Programme	Motivational Lecture	Mr.Rohan, Relationship Manager HR, Smart Step	03-01-14
2	Employability Skills	Guest Lecture	Dr. Venkat Ramana Reddy(Research Manager, SEEK Info Media Pvt. Ltd., Hyderabad	16-12-13
3	Entrepreneurship Development Programme	Guest Lecture	Mr.Y Srinivas,	27-11-13
4	Career orientation Programme	Impact of Attitude and behaviour in Career Development	Dr. TKV Raghavan, Professor-S&H,GCET	19-11-13
5	Professionalism- A Modern View in the Light of Ancient Wisdom	Motivational Lecture	Dr. TKV Raghavan, Professor-S&H,GCET	01-11-13
6	Marketing Skills Role and behavior of MBA students	Marketing Skills Enhancement	R.Srinivas, Consultant, Corporate Sales Trainer	23-10-13
7	Model Student & Campus Behaviour	Student Campus Behaviour & Induction Prog. MBA	Prof. KS Rao,Professor-ECE,GCET	23-09-13
8	Importance of Management Education & importance of communication skills	Motivational Lecture & Induction Prog. MBA	Dr. ST Rajmohan Rao, Professor-Mech,GCET	23-09-13
9	Career Guidance	Career Planning and Employability	Mr. Rajesh, Finance Executive, HSBC, Hyd	26-08-13

Academic Year 2012-13

S.No	Title	Event	Resource Person & Designation	Date
1	Project Preparation Skills	How to Prepare Project Report(Set objectives & Testing Hypotheses)	Angel Stock Broking Technology Solutions, Hyd	07-05-13
2	Soft Skills	Facing Interview & GD	Mr. Chandrasekhar, Head HR-K12 Technology Solutions, Hyd	28-03-13
3	Career Guidance	Selection of Electives and Employability	Mr. Rizwan, Finance Executive, Zenpact, Hyd	28-03-13
4	TQM	Guest Lecture	Dr. YVSCH Prasad	29-11-12
5	Investor Awareness Programme	Guest Lecture IAP	Dr. CS Reddy	16-11-12

Academic Year 2011-12

S.No	Title	Event	Resource Person & Designation	Date
1	Personality Development & Motivational Role of Students	Guest Lecture	M. Nagaprasad	17-05-12
2	Personality Development & Motivational Role of Student	Motivational Lecture	Dr. Garikipati Narasimha Rao	17-05-12
3	Career Development, Communication Skills & Leadership Qualities to reach the goal	Personality Development	Prof. V. Nagendra Kumar	27-01-12
4	Export & Imports Documentation Procedure in International Business	EXIM Policy	Dr. V. Mohan	05-01-12
5	TQM Practices	TQM-Guest Lecture	Dr. NVS Raju	22-12-11
6	Role of Literature in Personality Development	Motivational Lecture	Dr. Garikipati Narasimha Rao	18-07-11

b) **International** : NIL

Workshops Organized / Conducted / Attended by the Department Faculty

Workshops Attended by the department Faculty

Academic Year 2014-15

S.No	Event / Organization	Resource Person	Topic	Date
1	SPSS Work Shop	Prof. Dr. M Applaiah	Statistic Simulation using SPSS	02-12-14

2	BSE	Mr. Santosh Reddy	Online Trading	12-11-14
3	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	31-10-14

Academic Year 2013-14

S.No	Event / Organization	Resource Person	Topic	Date
1	Mc Hill Pulications	Mr. Rathod	Business Games & Simulations	18-11-13

Academic Year 2012-13

S. No	Event / Organization	Resource Person	Topic	Date
1	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	11-01-13
2	GCET-Campus	Mr.M.C.Kishore Reddy Mr.K. Mahender	"1 Day FDP Blooms Taxonomy"	30th June 2012
3	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	19-11-12
4	GCET-Campus	GCET-Campus	"1 Day FDP on Mentoring the Mentors"	16th June 2012
5	GCET-Campus	GCET-Campus	"3 Day SDP on Excel Applications"	8th ,11th &12th June 2012

Workshops organized & the source of funding: Internal

a) National :

Academic Year 2014-15

S.No	Event / Organization	Resource Person	Topic	Date
1	SPSS Work Shop	Prof. Dr. M Applaiah	Statistic Simulation using SPSS	02-12-14
2	BSE practice session	Mr. Santosh Reddy	Online Trading	12-11-14
3	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	31-10-14

Academic Year 2013-14

S. No	Event / Organization	Resource Person	Topic	Date
1	Mc Hill Publications	Mr. Rathod	Business Games & Simulations	18-11-13

Academic Year 2012-13

S. No	Event / Organization	Resource Person	Topic	Date

1	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	11-01-13
2	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	19-11-12

Academic Year 2011-12

S. No	Event / Organization	Resource Person	Topic	Date
1	FDP	Prof.K.Ravichandra-O.U.	Importance of communication & Presentation skills	29-06-11
2	FDP	Ms. Vijaya Kumari	Importance of communication & Presentation skills	30-06-11

b) International : NIL

26. Student profile programme/course wise:

No	Batch	Sanctioned Intake	Enrolled	Male	Female	Pass
1	2008	60	60	38	23	95.00
2	2009	60	60	36	24	98.18
3	2010	60	60	35	25	89.73
4	2011	60	53	29	24	70.90
5	2012	60	45	32	13	86.66
6	2013	60	44	27	17	--
7	2014	60	53	28	25	--

27. Diversity of Students:

No	Batch	Sanctioned Intake	Local/Same State	Other States	Other Countries	Total
1	2008	60	60	--	--	
2	2009	60	60	01	--	
3	2010	60	60	--	--	
4	2011	60	53	--	--	
5	2012	60	45	01	--	
6	2013	60	44	--	--	
7	2014	60	60	--	--	

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : NIL

29. Student progression:

No	% Progression	2009-11	2010-12	2011-13	2012-14
1	UG to PG	NA	NA	NA	NA
2	PG to M. Phil.	NA	NA	NA	NA
3	PG to Ph.D.	NIL	NIL	NIL	NIL
4	Ph. D. to PDF	NA	NA	NA	NA
5	Employed-On Campus	15/60	20/60	06/53	12/45*
6	Employed- Off Campus	36/60	16/60	15/53	09/45*
7	Entrepreneurship & Self Employed	02/60	02/60	NIL	01/45
	Total				

30. Details of Infrastructural facilities

a) Internet facilities for Staff & Students: 28 Mbps

b) Rooms: Class Rooms-2, Tutorial Halls-2, E-Class Rooms: 01, Labs-2, Seminar Hall-1

c) Laboratories: BCSS-1 & Excel Lab-1

31. Number of students receiving financial assistance from college, university, government or other agencies:

No	Name of Agency	No. of Students Received Financial Assistance in AY			
		2014-15	2013-14	2012-13	2011-12
1	State Govt(SC/ST/BC/EBC/OBC)	45	52	58	60
2	JNTUH	--	--	--	
3	Institution	2	4	2	2
4	Others	--	--	--	

Details of the Institutional Assistance(Merit Scholarship to MBA Students):

No	Name	HT No	AY	Sponsoring Orgn.
1	B. Lalitha	12R11E0045	2014-15	Late G. Rajareddy Memorial Award from M/s. Teja Edn. Society
2	M. Rahu	13R11E0035	2014-15	
3	G.Amala	12R11E0011	2013-14	
4	B. Lalitha	12R11E0045	2013-14	
5	Shahnaz Begum	11R11E0042	2013-14	
6	R. Chandana	11R11E0038	2013-14	
7	T Pranaya	11R11E0046	2012-13	
8	K. Sucharitha	10R11E0025	2012-13	
9	Priyanka Choudary	10R11E0046	2011-12	
10	G. Bhavika	09R11E0009	2011-12	
11	K. Divya	09R11E0014	2010-11	
12	Hazra Sulthana	08R11E0024	2010-11	

32. Details on student enrichment Programmes (special lectures / workshops /seminar) with external experts:

No	Prog. Title	Resource Person	Purpose of Visit	Date
1	Marketing New R&D Products	Dr. N. Viswanth	Expert Resource Person for FDP	19-01-11
2	Leadership Practices Tech Mahindra-BSC-FDP	Prof. Abhirama Krishna	Expert Resource Person for FDP	25-02-11
3	BSC in ITC	Mr. K. Pradeep Kumar	Expert Resource Person for FDP	25-02-11
4	Quantitative Business Decision Making through SPSS	Mr. Mithun Kumar	Expert Resource Person for SPSS Workshop	05-03-11
5	SPSS Importance	Dr. GS Rao	Expert Resource Person for SPSS Workshop	06-03-11
6	Quantitative Business Decision Making through SPSS	Mr. Mithun Kumar	Expert Resource Person for SPSS Workshop	06-03-11
7	Soft & Employability Skills	Mr. Abishanth	Softskills	08-03-11
8	Corporate Financial Practices in PSUs	Mr. J. S. Anand	Financial Practices Project Report Preparation	13-04-11
9	Competence Frame Work	Dr. A. S Rao	Competence Frame Work	09-05-11
10	Supply Chain Management in PSUs	Dr. YVSCH Prasad	Guest Lecture	16-05-11
11	Role of Literature in Personality Development	Dr. Garikipati Narasimha Rao	Motivational Lecture	18-07-11
12	TQM Practices	Dr. NVS Raju	TQM-Guest Lecture	22-12-11
13	Export & Imports	Dr. V. Mohan	EXIM Policy	05-01-12

	Documentation Procedure in International Business			
14	Career Development, Communication Skills & Leadership Qualities to reach the goal	Prof. V. Nagendra Kumar	Personality Development	27-01-12
15	Personality Development & Motivational Role of Student	Dr. Garikipati Narasimha Rao	Motivational Lecture	17-05-12
16	Personality Development & Motivational Role of Students	M. Nagaprasad	Guest Lecture	17-05-12
17	Investor Awareness Programme	Dr. CS Reddy	Guest Lecture IAP	16-11-12
18	TQM	Dr. YVSCH Prasad	Guest Lecture	29-11-12
19	Importance of Management Education & importance of communication skills	Dr. ST Rajmohan	Motivational Lecture & Induction Prog. MBA	23-09-13
20	Model Student & Campus Behaviour	Prof. KS Rao	Student Campus Behaviour & Induction Prog. MBA	23-09-13
21	Professionalism-A Modern View in the Light of Ancient Wisdom	Dr. TKV Raghavan	Motivational Lecture	01-11-13
22	Hands on experience	Mr. Rathod	Business Games & Simulations	18-11-13
23	EOP	Dr. UV Chalapathi-DGM-NSIC	Workshop	31-10-14
24	BSE	Mr. Santosh Reddy	Online Trading	12-11-14
25	SPSS	Dr.Appalayya HOD-Dr.Ambethkar College of Management	Workshop	02-12-2014

33. Teaching methods adopted to improve student learning

- Student Class Room Seminars
- Student Paper Presentation
- Peer Learning
- Poster & Project Presentations
- Presentation of Papers Published in Reputed Journals
- Current Topics Discussion relevant to courses
- Online Trading Hands on Experience
- Excel Simulations
- Decision Making Aspects using SPSS
- Case-Study Approach
- Business Games & Strategy Development
- Brain Storming Sessions
- JAM, Debates & Group discussions on Current Topics
- Interactive learning affective domain
- Soft skills & Exposure to communication skills
- Open access to latest Digital Literature
- Contemporary Practices in Management
- Opportunities to participate in intercollegiate curricular activities
- Opportunity to participate in intercollegiate extracurricular activities
- Organizing industry visits to understand contemporary industry practices
- Internship with PSUs & Reputed Private Sector Organisations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

a) National Service Scheme (NSS)

Year	Particular	Venue	Date	Students Participated
2011-12	SRAMDHANAM	Sri Sai Vidhya Dhama	15-04-11	
	Meditation Course (CSE-A&B,IT-A&B,1st Year Students). Participation-40students.	GCET	20-04-11	
	Services Camp.	GCET	06-05-11	
	Awareness Programme On HIV/AIDS To Students	GCET	26-07-11	
	Students and Faculty(Staff) Contribution For Late K.Srinivas(Gardener).	GCET	09-08-11	
	Collected 116 Notebooks From Faculty and Students.	GCET	11-08-11	
	Blood Donation(LIONS CLUB).	GCET	17-08-11	
	Eye Donation Awareness Event(People's Plaza).	GCET	27-08-11	
	World Suicide Prevention Day Awareness Programme.	JNTU	10-09-11	
	Lighting a Diya (GCET).	GCET	22-10-11	
	Distribution Of Notebooks.	GCET	04-01-12	
	Dental Camp (GCET).	GCET	01-03-12	
	Free Eye Camp	GCET	03-03-12	
	Helping Deaf Child –To Purchase Hearing Aids.	GCET	15-05-12	
2012-13	Collection Of notebooks and distribution.	GCET	10-08-12	
	Sadhbhavan.	GCET	17-08-12	
	Health Camp.	Cheeryal	25-08-12	
	Health Camp.	GCET	06-09-12	
	Non-violence Dayand Peace.	GCET	04-10-12	
	Computer Training Programme for high School.	Cheeryal	12-12-12	
	Blood Donation Camp.	GCET	05-01-13	
	Blood Donation Camp (LIONS CLUB).	GCET	13-04-13	
2013-14	Tree-Plantation.	GCET	06-10-13	

b) Entrepreneurship Development Cell

Year	Name of the Prog.	Date	Resource Person	Corporate Affiliation
2009-10	Idea Generation Programme		Dr. Mrudula	CACHE
2010-11	EOP		U.V. Chalapathi	NSIC
	EOP		U.V. Chalapathi	NSIC
2011-12	EOP		U.V. Chalapathi	NSIC
2012-13	EDC-Inaugural	27-11-2013	Y. Srinivasulu	Centre Head-CMC
2013-14	EOP	31-11-2014	U.V. Chalam & Ms. Vani	NSIC

35. SWOC analysis of the department and Future plans

Strengths:

- Continuous interaction with Professional/Industrial Associations like FICCI, FAPCI, CII, ICSI, ICWAI, ICAI & HMA
- Exposure to current industry practices through industrial visits & guest lectures.
- Smart & Self Learning-Models to fill the gap between theory & practice.
- Alumni interaction with students for career guidance.
- Active student participation in organizing various Co-Curricular & Extra Curricular Activities
- Well equipped Class Rooms, Labs, Library, E-Class & Seminar Halls

- One to One Computer with Internet facility.
- Open Access to Digital Literature & Online Journals.
- Experienced & Trained faculty Members with didactic approach.

Weakness:

- Unable to match JNTUH curriculum with current trends of management
- Produce quality research papers in international journals
- Time constraint to focus on FDPs/Workshops of long duration.
- Students intake quality & background
- Poor Communication skills of student-inputs due to their graduation in regional language

Opportunities:

- Afford to organize national & international conferences & seminars
- Advanced E-Learning resources can be pursued with little effort
- Short-Term Summer/Winter Schools to faculty members & students on latest trends in the field of management.
- Scale-up EDC activities with professional association like FICCI, CII & FAPCCI.
- Develop Social Entrepreneurship in association with NIF
- Assist in Business Proposal Development & identify suitable funding agencies.

Constraints:

- Challenge of matching student-skills to that of industry requirements.
- Involving students in Live projects, R&D and E-Literature
- Filling gaps in existing curriculum with that of Today Industry Practices
- No restriction of Graduation Specialization become problem to create awareness among students about curriculum.

Future plans:

- Stimulate student-placement level from local companies to MNCs
- Establish full pledged EDC & CSR Cells of Excellence
- Encourage faculty & students to publish good quality research papers
- Start semi-annual management bulletin
- Encourage faculty members to register for Ph.D. Programmes
- Depute faculty members for Long Term EDC/FDP/Workshops
- Start Students-Management -Chapter in association with HMA
- Increase breadth of electives being offered

<<<>>>

Annexure

Annexure

a. UGC 2(f) and 12(b) recognition letter

b. First approval letter from AICTE

c. Latest Approval letter from AICTE

d. JNTU Permanent affiliation certificate

e. ISO 9001-2008 certificate

f. University of Bradford, UK – The Engineering Educators Award

g. Certificate from SIRO recognizing as R&D center

h. Course End survey – format

a. UGC 2(f) and 12(b) recognition letter

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

ज्ञान–विज्ञान विमुक्तये
SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली–110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

January, 2015

F. No. 8-485/2014 (CPP-I/C)

13 JAN 2015

The Registrar,
Jawaharlal Nehru Technological University
Hyderabad – 500 075
Telangana

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. GCET/286/2014-15 dated 10.10.2014 received from the Principal, Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Hyderabad.** I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** Colleges teaching upto **Master's** Degree':-

Name of the College	Year of Establishment	Remarks
Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana.	2005	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8th July 2011.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)
Under Secretary

Copy to:-

1. The Principal, Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi – 110 001.
3. The Secretary (Higher Education), Government of Telangana, Block D, Ground Floor Secretariat, Hyderabad, (Telangana).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Telangana).
5. Publication Officer, (UGC-Website), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. Guard file.

(Sunita Khanna)
Section Officer

b. First approval letter from AICTE

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. : 06/05/AP/ENGG/2005/035
June 30, 2005

TO

THE SECRETARY TECHNICAL EDUCATION.
GOVT. OF ANDHRA PRADESH,
ANDHRA PRADESH GOVERNMENT SECREATRAIT.
HYDERABAD– 500 028.

Sub: AICTE approval to TEJA EDUCATIONAL SOCIETY, CHERYAL VILLAGE, R.R. DISTT., ANDHRA PRADESH for establishment of GEETANJALI COLLEGE OF ENGINEERING & TECHNOLOGY, CHERYAL VILLAGE, R.R. DISTT., ANDHRA PRADESH for the Academic year 2005-06.

Ref.: W.P. No. 3179/2005 order of Hon'ble High Court of Andhra Pradesh on 28th June, 2005.

Sir/Madam,

The Application/ Proposal received from **TEJA EDUCATIONAL SOCIETY, CHERYAL VILLAGE, R.R. DISTT., ANDHRA PRADESH** has been processed as per laid down procedure, guidelines, policy and/or norms & standards of AICTE, mentioned in **AICTE Regulations and/ or "AICTE Hand Book for Approval Process".**

I am directed to state that the All India council for Technical Education (AICTE) is pleased to accord approval for establishment of **GEETANJALI COLLEGE OF ENGINEERING & TECHNOLOGY, CHERYAL VILLAGE, R.R. DISTT., ANDHRA PRADESH** for the academic year 2005-06 to conduct following **course(s)** with annual intake as given below:

FULL TIME COURSE (S)	ANNUAL INTAKE	ENTRY LEVEL	DURATION (YEARS)	PERIOD OF APPROVAL
Electronics & Comm. Engg.	60	10+2	4	2005-2006
Computer Sc. & Engg.	60	10+2	4	2005-2006
Information Technology	60	10+2	4	2005-2006
Electrical & Electronics Engg.	60	10+2	4	2005-2006
Total	**240**			

PRINCIPAL
GEETHANJALI COLLEGE OF
ENGINEERING & TECHNOLOGY
Sy. No: 33 & 34, Cheeryal Village,
Keesara Mandal, Ranga Reddy District.

Contd\2.....

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002

The Approval accorded above is subject to fulfillment of the following conditions:

1. The institution must have affiliation to a University for the above courses before making admissions. In the absence of such Affiliation this letter of approval shall be treated as Withdrawn (Order of the High Court of Madras in W.P. No. 33256 of 2002 and other Batch of Petitions).

2. No admission shall be made by the Institution, contrary to the guidelines issued by AICTE, for the academic session 2005-06. All the admissions must necessarily be made through Entrance Test.

3. The approved course(s) shall commence as per the academic calendar of the Affiliating University.

4. If this letter of approval is received by you after the closing date of State/ National level Central Counseling for Admissions in the concerned State/ Union Territory, this letter of Approval will not be valid for making any admission during the above specified academic year, and shall be treated as withdrawn.

5. No excess admission shall be made by the institution during any academic year.

6. The approval is valid only for the academic year 2005-06. If no further extension of AICTE approval is received beyond the academic year 2005-06, this Approval Letter will not be valid for making any admission for the subsequent years.

7. Any other condition(s) as may be specified by AICTE from time to time.

Consequent to the Supreme Court Judgment, the Model Constitution of Governing Body notified by AICTE in its approval Regulations 1994, stands overruled. It has been decided that while AICTE will not insist on any nomination in the Governing Body of Private Unaided Institution, the Affiliating University/ State Government shall impose minimum conditions of affiliation, such as, prescription of qualifications of Governing Body Members, in order to insure academic excellence. It shall be desirable for the private unaided institutions to induct at least 50% of the members of the Governing Body drawn from renowned academia, academic administrators, Subject Experts and professionals from industry in order to seek their innovative ideas for continuous improvement in the delivery of teaching learning process, matching best practices elsewhere and achieve excellence.

Cont 3/

PRINCIPAL
GEETHANJALI COLLEGE OF
ENGINEERING & TECHNOLOGY
Sy. No: 33 & 34, Cheeryal Village,
Keesara Mandal, Ranga Reddy District.

Please note that the Council would verify the status in respect of recruitment of faculty and rectification of other deficiencies through **Surprise Inspection** without any prior intimation. The institution shall be liable for strict action including action under the relevant provisions of Indian Penal Code in case false information is furnished to the Council.

The Council has decided to undertake inspections without any prior notice before extending approval for the year 2006-07 anytime after August 2005. A compliance report in respect of conditions/ deficiencies listed in Annexure - A must be sent to the council before 31st August, 2005 in the absence whereof extension of approval for the year 2006-07 may not be considered.

The Compliance Report to be submitted to the Council by 31st August,, 2005 should also be accompanied with a **Visiting/ Processing Fee** as prescribed by the Council in the form of Demand Draft in favour of the Member Secretary, AICTE payable at New Delhi. In the absence of the processing / visiting fee, the compliance report may not be entertained.

In the event of infringement/ contravention or non-compliance of the above Conditions and/or the provision of AICTE Act & Regulations/ Guidelines/ Norms & Standards as prescribed by AICTE, further actions leading to "Reduced Intake" or "No Admission" or " Withdrawal of Approval", shall be taken by AICTE and the liability arising out of such actions will be solely that of the Management/ Trust/ Society and/ or the Institution.

Yours faithfully,

for **(Dr. P. Venkateswara Rao)**
Adviser (UG/ PG)

Copy to:

1. The Regional Officer,AICTE, Southern Regional Office,26 Haddows Raod, Shastri Bhavan, Chennai – 600 006.
2. The Registrar,JNTU, HYDERBAD
3. The Principal
   GEETANJALI COLLEGE OF ENGINEERING & TECHNOLOGY,
   CHERYAL VILLAGE, R.R. DISTT.,
   ANDHRA PRADESH
4. The Commissioner of Technical Education, Govt. of Andhra Pradesh, 5th Floor, BRKR Govt. Complex, Hyderabad – 500 063.
5. Guard File Bureau (UG/PG)

PRINCIPAL
GEETHANJALI COLLEGE OF
ENGINEERING & TECHNOLOGY
Sy. No: 33 & 34, Cheeryal Village,
Keesara Mandal, Ranga Reddy District.

Annexure –'A'

Specific Condition :

1. The institution must appoint faculty members as per the AICTE norms with pay scales as prescribed by AICTE, before making and admissions.
2. All the required Laboratories /Workshops / Machineries / Equipments, as per approved syllabi of the affiliating university, must be operational before making admissions.
3. The built up space should be provided for the institution as per AICTE norms.
4. The computer center should be equipment with computers and software's as per AICTE norms.
5. Books & journals should be provided as per AICTE norms in the library.

PRINCIPAL
GEETHANJALI COLLEGE OF
ENGINEERING & TECHNOLOGY
Sy. No: 33 & 34, Cheeryal Village,
Keesara Mandal, Ranga Reddy District.

c. Latest Approval letter from AICTE

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. South-Central/1-2010864559/2014/EOA

Date: 04-Jun-2014

To,
The Principal Secretary
(Higher Education) Govt. of Andhra Pradesh,
J Block, 4th Floor, Secretariat Building,
Hyderabad-500022

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2010864559
		Permanent Id	1-5993199
Name of the Institute	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	Institute Address	CHEERYAL VILLAGE, KEESARA MANDAL , RANGA REDDY DISTRICT, ANDHRA PRADESH., HYDERABAD, RANGAREDDI, Andhra Pradesh, 501301
Name of the Society/Trust	TEJA EDUCATIONAL SOCIETY	Society/Trust Address	2-1-88/1,ANAND NAGAR X-ROAD,BANDLAGUDA VILLAGE,NAGOLE,HYDERABAD,RANGAREDDI,Andhra Pradesh,500068
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2010864559*

Page 1 of 5

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:6 June 2014

Printed By : AE2326431

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)

06/06/14

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2010864559			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	30	30	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	30	30	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	0	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	SOFTWARE ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI SYSTEM DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	0	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	N

Application Number: 1-2010864559*

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:6 June 2014

Printed By : AE2326431

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

06/08/14

Application Id: 1-2010864559			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	COMPUTER SCIENCE	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	N
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	60	NA	NA	N

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

Application Number: 1-2010864559*

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:6 June 2014

Printed By : AE2326431

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   First Floor, old BICARD Building
   Jawaharlal Nehru Technological University
   Masab Tank, Hyderabad-500076
2. **The Director Of Technical Education,**
   Andhra Pradesh
3. **The Registrar,**
   Jawaharlal Nehru Technological University, Hyderabad
4. **The Principal / Director,**
   GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
   CHEERYAL VILLAGE, KEESARA MANDAL , RANGA REDDY DISTRICT, ANDHRA PRADESH.,
   HYDERABAD,RANGAREDDI,
   Andhra Pradesh,501301
5. **The Secretary / Chairman,**
   TEJA EDUCATIONAL SOCIETY
   2-1-88/1,ANAND NAGAR X-ROAD,BANDLAGUDA VILLAGE,NAGOLE,
   HYDERABAD,RANGAREDDI,
   Andhra Pradesh,500068
6. **Guard File(AICTE)**

Application Number: 1-2010864559*

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:6 June 2014

Printed By : AE2326431

06/08/14

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 3

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

06/08/14

PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 30

d. JNTU Permanent affiliation certificate

Grams: "TECHNOLOGY"
E Mail: pa2registrar@jntuh.ac.in

Phone: Off: +91–40–32422253
Res: +91–40–32517275
Fax: +91–40–23158665

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Andhra Pradesh Ordinance No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

Procds. No.AAC/Permanent Affiliation Geetanjali CET/2014 Date: 20-01-2014

Sub: JNTUH – UAAC – Grant of Permanent Affiliation to **"Geetanjali College of Engg & Technology, Cheeryal, Keesara (M), Ranga Reddy Dist"** from the academic year 2014-15 to 2018-19 - Orders Issued

Read: 1. Letter No.GCET/JNTUH-AAC/172/2013-14, dt: 20-12-2013 received from the Principal, Geetanjali College of Engg &Technology.
2. UAAC/Affi/FFC-Inspections-Permanent / Temporary Affiliation/2014, dated 23-12-2013
3. FFC Report dated: 27-12-2013.
4. The approved Guidelines in the EC of JNTUH in its Tenth meeting, dated 14-12-2012.
5. Note file orders of the Vice- Chancellor, dated 20-01-2014.

***

O R D E R:

1. The Principal, **"Geetanjali College of Engg &Technology, Cheeryal, Keesara (M), Ranga Reddy Dist"** has submitted an application for grant of Permanent Affiliation by JNTUH from the Academic Year 2014-15 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Permanent Affiliation of the College vide (2). The Fact Finding Committee has inspected the college and submitted its report to the University vide (3). Based on the existing Guidelines for Permanent Affiliation vide (4) and the minutes of Standing Committee for Affiliation vide (5) the College is fulfilling the requirements for grant of Permanent Affiliation.

2. In this connection, the Vice-Chancellor is pleased to grant Permanent Affiliation to **"Geetanjali College of Engg & Technology, Cheeryal, Keesara (M), Ranga Reddy Dist"** to offer UG, PG Degree Courses in the following disciplines with the intake shown against each for **5 years** from the Academic Year **2014-15 to 2018 -19**.

SNo.	Name of the Course	INTAKE
1.	Computer Science & Engineering	240
2.	Information Technology	120
3.	Electrical & Electronics Engineering	60
4.	Electronics & Communication Engineering	240
5.	Mechanical Engineering	120
6.	MBA	60
7.	M.Tech- Electronics and Communication Engineering	18
8.	M.Tech-Embedded Systems	30
9.	M.Tech- Computer Science and Engineering	30
10.	M.Tech-Software Engineering	18
11.	M.Tech- VLSI System Design	18
12.	M.Tech- Computer Science (2nd Shift)	18
13.	M.Tech- Machine Design (2nd Shift)	18

Contd..2

The Permanent Affiliation is subject to the following conditions:

1. The Management shall follow the norms of UGC/ AICTE and the rules of Affiliation of JNTUH Hyderabad in all respects.
2. The Management shall follow the Academic Regulations and Examination Schedules of JNTUH Hyderabad.
3. The appointment of the Principal shall be ratified by the University.
4. The College shall have 65% of the Faculty ratified by JNTUH.
5. The University will monitor the existing courses and inspect all the new courses / increase in intake for every Academic Year before start of the counseling process.
6. During the period of Permanent Affiliation, the college needs to submit annual report along with Application, Inspection and Affiliation Fees and dues, if any.
7. The University can withdraw the Permanent Affiliation at any point of time if the college does not satisfy the standards and norms as set by the University for Affiliation.
8. Affiliation and Inspection Fee dues, if any, shall be cleared before receiving these proceedings.

REGISTRAR

To
The Director / Principal,
Geetanjali College of Engg & Technology,
Cheeryal, Keesara Mdl, Ranga Reddy Dt.

Copy to:
The Chairman/Secretary, Geetanjali College of Engg & Technology, Cheeryal, Keesara Mdl, Ranga Reddy.
The Principal Secretary, Dept. of Higher Education (EC-1) Dept, Govt. of Andhra Pradesh, Secretariat, Hyderabad
The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-500 028
The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.
The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad
The Secretary, University Grants Commission, New Delhi-110002.
The Member Secretary, All India Council for Technical Education, New Delhi – 110002.
Copy to the PA to the Vice-Chancellor.
Copy to the PA to the Rector.
Copy to the PA to the Registrar.
Copy to the DAP, JNTUH, Hyderabad.
Copy to the Director of Evaluation, JNTUH, Hyderabad.

e. ISO 9001-2008 certificate

CERTIFICATE

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

ADDRESS:- SY. NO. 33&34, CHEERYAL VILLAGE, KEESARA MANDAL,
RANGA REDDY DISTRICT, TELANGANA, INDIA - 501301

Certificate No: QA-D/IND/9001/0090

Here in after called the company,the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the QA TECHNIC from only the address given above in accordance with the quality management system in compliance with ISO 9001:2008.

ISO 9001: 2008

PROVIDING DEGREE, MASTER LEVEL TECHNICAL AND MANAGEMENT EDUCATION

OUT OF SCOPE : 7.3, 7.5.2, 7.6

EA 37

Further clarification regarding the scope of this certificate of ISO 9001:2008 requirements may be obtained by consulting the organization

Certificate Transfer Date : 01st August 2014

Certificate Expiry Date : 31st July 2017

Date of Initial Registration : 26th August 2011

Re-assessment Period : 3 Years

OVERSEAS OPERATION MANAGER
Begüm ADAKAN

B. Adakan

ALBERK QA TECHNIC GmbH
Rupert-Mayer-Straße 44 // Sirius Business Park,
Gebäude6407, 2. OG 81379 München
Tel: +49 89 99013680 Fax: + 49 89 9901 3682

DAkkS Deutsche Akkreditierungsstelle D-ZM-18949-01-00

f. University of Bradford, UK – The Engineering Educators Award

g. Certificate from SIRO recognizing as R&D center

सत्यमेव जयते

TELEGRAM : SCINDRECH
दूरभाष/TEL : 26962819, 26567373
: 26565694, 26562133
: 26565687, 26562144
: 26562134, 26562122 (EPBAX)
फैक्स/FAX : 26960629, 26529745
Website : http:/www.dsir.gov.in

सूचना का अधिकार

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन
नया महरौली मार्ग, नई दिल्ली – 110 016

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan
New Mehrauli Road, New Delhi - 110 016

By Registered Post

F.No.11/532/2011-TU-V

Date: 27 March, 2014

The Secretary
Teja Educational Society
(Geetanjali College of Engineering & Technology),
2-1-88/1, Anand Nagar, X Road,
Buldla Guda, L.B. Nagar,
Hyderabad - 501301
Andhara Pradesh

Subject : Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).

Dear Sir/Madam,

This has reference to your application for renewal of recognition of Teja Educational Society (Geetanjali College of Engineering & Technology), Hyderabad as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord renewal of recognition to **Teja Educational Society (Geetanjali College of Engineering & Technology), Hyderabad from 01.04.2014 upto 31.03.2017.** The recognition is subject to terms and conditions mentioned overleaf.

3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(K.V.S.P. Rao)
Scientist - 'G'

TERMS AND CONDITIONS FOR RECOGNITION OF SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISAITONS (SIROs)

01. The organisation should acknowledge receipt of the recognition letter by stating that they will abide by the terms and conditions of recognition.

02. The recognition will entitle the SIRO to receive such administrative support from the DSIR, Ministry of Science & Technology as may be required on issues to promote or encourage scientific research activities.

03. SIROs recognised by DSIR are also deemed to be registered. A separate certificate of registration** is issued along with the recognition letter. The recognition would be valid for the period specified in the recognition letter and application for renewal of recognition shall be submitted in the prescribed proforma at least 3 months before the expiry of the valid recognition. Failure to submit application in time may lead to automatic lapsing of the registration & recognition.
***However, the certificate of registration is not issued to SIROs engaged in activities falling within the definition of 'hospital' as per notification No. 51/96-Cus dt.23.07.1996 and No. 10/97-central excise dt. 01.03.1997 issued by the Department of Revenue.*

04. The recognition of DSIR does not amount to approval u/s 35(1)(ii)/(iii) of Income Tax Act 1961.

05. The registration will entitle the SIROs to avail custom/excise duty exemption on purchase of equipment, instruments, spares thereof, consumables etc. used for research & development subject to relevant Government policies in force from time to time. Such exemptions will have to be separately applied for in the prescribed formats. The SIROs should also abide by the terms & conditions of the customs & central excise notifications issued/amended from time to time.

06. Separate books of accounts shall be maintained by the SIRO for research & development activities and the R&D expenditure, both capital and recurring should be reflected in the Annual Report and Statement of Accounts of the organisation in separate schedules.

07. Disposal/sale of equipment and products/prototypes/intermediates, if any, emanating from the R&D/pilot plant, should be intimated to DSIR immediately. The realisation if any, from above or any services rendered etc. shall be shown in the R&D accounts of the organisation as income of the SIRO in the audited accounts as well as annual report and should be used or reinvested for research activities only. In case of disposal/sale of R&D equipment, clearance from customs/excise authorities will also be required in view of the applicable notifications under which the equipment was imported/purchased in India.

08. Accelerated depreciation allowance as per Rule 5(2) of Income Tax Rules 1962 will be available on investments on plant & machinery by any industrial unit which has made these investments for the purpose of commercialisation of technology/know-how acquired from a SIRO recognised by DSIR.

09. Brief summary of the achievements of the organisation shall be submitted to the DSIR every year. This should include details related to papers published, patents obtained and process developed, new products introduced, awards & prizes received, copy of the Annual Report and Statement of Accounts of the Organisation etc. List of equipment, instruments, parts and consumables imported/purchased using the duty exemption should also be submitted to DSIR along with the annual report.

10. Any violation of the terms & conditions mentioned above and/or provisions of taxation in force will make the organisation liable to de-recognition.

11. The organisation will also conform to such other conditions for recognition stipulated in the Guidelines or as may be specifically provided in the recognition letter.

* * * * *

h. COURSE END SURVEY

CAY : 201 -1	SEM : ☐ODD ☐EVEN	Date :
COURSE		Year : ☐I ☐II ☐III ☐IV
FACULTY		Section:

Please evaluate on the following Scale:

Excellent(E)	Good(G)	Average(A)	Poor(P)	No Comment(NC)
5	4	3	2	1

SNO	**QUESTIONAIRE**	**E 5**	**G 4**	**A 3**	**P 2**	**NC 1**
GENERAL OBJECTIVES:						
1)	Did the course achieve its stated objectives?	☐	☐	☐	☐	☐
2)	Have you acquired the stated skills?	☐	☐	☐	☐	☐
3)	Whether the syllabus content is adequate to achieve the objectives?	☐	☐	☐	☐	☐
4)	Whether the instructor has helped you in acquiring the stated skills?	☐	☐	☐	☐	☐
5)	Whether the instructor has given real life applications of the course?	☐	☐	☐	☐	☐
6)	Whether tests, assignments, projects and grading were fair?	☐	☐	☐	☐	☐
7)	The instructional approach (es) used was (were) appropriate to the course.	☐	☐	☐	☐	☐
8)	The instructor motivated me to do my best work.	☐	☐	☐	☐	☐
9)	I gave my best effort in this course.	☐	☐	☐	☐	☐
10)	To what extent you feel the course outcomes have been achieved.	☐	☐	☐	☐	☐
For Lab courses only						
11)	I was provided with adequate orientation and guidance for proceeding with laboratory activities.	☐	☐	☐	☐	☐
12)	The instructor(s) was (were) helpful in assisting with problems and difficulties in the lab.	☐	☐	☐	☐	☐

13)	Space & facilities were adequate for required activities of the lab.	☐	☐	☐	☐	☐
14)	Instructor provided material required for the lab.	☐	☐	☐	☐	☐
Please provide written comments						
a) What was the most effective part of this course						
b) What are your suggestions, if any, for changes that would improve this course?						
c) Given all that you learned as a result of this course, what do you consider to be most important?						
d) Do you have any additional comments or clarifications to make regarding your responses to any particular survey item?						
e) Do you have any additional comments or suggestions that go beyond issues addressed on this survey?						

#Roll No. **#Signature**

Notes : * : Select one , #: optional

Phone : 040-32519687
Fax : +91-40-24220320
Website : www.geethanjaliinstitutions.com

Geethanjali College of Engineering and Technology

(Accredited by NBA, Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)
Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District. - 501 301.

Date: 25.06.2015

Certificate of Compliance

This is to certify that "Geethanjali College of Engineering and Technology, Cheeryal, Telangana " fulfils all the following norms

1. Stipulated by the affiliating University,
2. Regulatory Council/Body [AICTE], and
3. The affiliation and recognition is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case, the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 25.06.2015

Place: Cheeryal

PRINCIPAL

Dr.Udaya Kumar Susarla
PRINCIPAL
Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

Sponsored by TEJA EDUCATIONAL SOCIETY, HYDERABAD
Office : Sy. No. 33 & 34, Cheeryal (V), Keesara (M), R.R. Dist. - 501 301.