GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous)

Affiliated to Jawaharlal Nehru Technological University-Hyderabad

ANNUAL REPORT 2019-20

About Geethanjali

Geethanjali College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her endeavour to acquire wholesome education. The very strength of Geethanjali lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen.

The college recognizes that the rapidly changing technological landscape would require young technocrats with an understanding of evolving technologies, but also with a global perspective. A major goal of Geethanjali is to impart a uniquely broad and interdisciplinary Engineering education of the highest academic quality. This is achieved through an integrated curriculum that consists of a highly diverse set of technical courses, interdisciplinary research projects, day-to-day interaction with industry, and preparation in entrepreneurship and personality development courses.

At Geethanjali learning pushes all boundaries of conventional thought in pursuit of understanding science in relation to the society. Every concept a Geethanjalite acquires carries the inbuilt awareness of how it can be applied to render human life better.

Over the years since it was established, there has been dynamic progress at Geethanjali in all academic and research activities, and a parallel improvement in facilities and infrastructure, to keep it on par with the best institutions in India. The campus epitomizes the Geethanjali motto, **"Striving towards perfection"** in providing the best of infrastructure and ambience. Geethanjali keeps a keen eye on the current trends and innovations happening in the industry and offers learning methods, which are designed to meet the evolving requirements of the industry.

Vision and Mission

Vision

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

Mission

- To impart adequate fundamental knowledge in all basic sciences and engineering, technical and Inter-personal skills to students.
- To bring out creativity in students that would promote innovation, research and entrepreneurship.
- To Preserve and promote cultural heritage, humanistic and spiritual values promoting peace and harmony in society.

Mr. G. R. Ravinder Reddy

Chairman

Chairman's message

GCET has been truly reflecting the academic excellence since 2005, when the first brick was laid for the noble cause of imparting quality education to one and all. Thousands of students and parents have started banking their trust with us. Over the years, the stature and commitment of GCET touched higher levels with rapid expansion in all vital fields of professional education. The major strengths of GCET are Competent faculty, contemporary Learning and computing resources, modern infrastructure for learning, training and research in science, technology and engineering, management.

The GCET management is putting all its efforts to place the students in several companies of global reputation by imparting rigorous training. Above all, I always believe in the adage – Strong mind in a strong body. Hence, maximum importance is given to encourage sports and games, cultural and community activities in GCET for a wholesome personality of our students.

Geethanjali College of Engineering and Technology is poised to take up this responsibility of providing the student community with world-class technical education in a perfect academic ambience. I wish that the GCET will foster student development with values and discipline to make this a world class institute in the near future.

Dr. Udaya Kumar Susarla
Principal

Message from Principal

We aim to take the fountain of knowledge to rural population and intended to make a change in their life and that of the society by creating quality engineers. The institution has participated in many surveys conducted by various organizations and is found to be one of the Best Engineering College for the year 2020 in the state of Telangana. The institution is accredited by NBA for all eligible programs.

Students are encouraged to participate in various co-curricular and extracurricular activities and they bring laurels to the college. The college with its team of academicians, technical and non-technical staff along with alumni support takes every step to realise the vision and mission of the college.

The 2019-20 *Annual Report* collects many of the accomplishments from the past year, and reflects the hard work and dedication of all the people who are building GCET's future. Their drive and achievements energize the college as we continue to focus on five priority areas: students, faculty and staff, campus life and learning, research & innovation, and community engagement.

We are implementing a collective vision that recognizes how the needs of our community are fast changing: just as our neighbourhood, our country and our world are changing. At the same time, we draw strength from knowing that our fundamental values have evolved over the last 13 years of the existence of the college and are well anchored in our community. I wish all the best for students and faculty for their prosperity.

List of Governing Body Members

Sl. No.	Name	Designation	Status	Category
1	Mr. G.R.Ravinder Reddy	Secretary, GCET	Chairman	Management
2	Dr. G. Sridevi	Members, Teja Educational Society	Member	
3	Mr.N.Sanjeeva Reddy		Member	
4	Ms. N.Ramana Devi		Member	
5	Ms. G. Madhumitha		Member	
6	Dr. S. T. Rajmohan	Dean – Admin. & Prof. – MBA	Member	Faculty nominated by Principal
7	Prof. K. SomasekharaRao	Dean – Student Affairs &Prof.ECE	Member	
8	Dr.P.VijaiBhaskar	Dean – Academics & Prof. – ECE	Member	
9	Dr. B. Yagnanarayana	Former Dy.Director IIT, Madras	Member	
10	Mr. VishwanathEkbote	Director, Link well Tele Systems	Member	
11	Mr.A.Sreenivasa Murthy	Expert Industry (Formerly Chief Technology Officer, Tech Mahindra & Formerly CEO, Satyam Computers)	Member	
12	Dr. P. G. Sastry	Expert-Education & Industry (Advisor – Ramky)	Member	
13	Prof. ShyamSundarPatnaik	Director,NITTTR (MHRD, Govt. of India) Formerly Vice Chancellor, BijuPatnaik Un iversity of Technology, Odisha	Member	UGC Nominee
14	Telangana State Government Nominee	-	-	-
15	Dr.B.N.Bhandari	Professor, ECE & Director, Academic & Planning, JNTUH	Member	JNTUH Nominee
16	Dr. S. Udaya Kumar	Principal, GCET	Member Secretary	Ex-officio

Awards and achievements of the college

1.	Accreditation by NBA for B. Tech CSE, ECE and IT July 2012.
2.	Re-Accreditation for B. Tech CSE, ECE and Accreditation of B. Tech EEE by NBA in July 2015, Reaccreditation of all three programs in July 2018.
3.	Accreditation of B. Tech ME in October 2018 and extended till June 2022.
4.	Applied for Re-accreditation of B. Tech CSE, EEE, and ECE programs under Tier – I and got approval for one year (up to June 2022)
5.	Accredited by NAAC with "A" Grade (3.36 / 4.0) in June 2017
6.	Autonomous under UGC 2(f) and 12 (b) status in 2016
7.	Mentoring Institute Status by NAAC
8.	Permanent Affiliation to JNTUH, Hyderabad
9.	Fifty-Nine (59) faculty members with PhD qualification
10.	Recognized as R & D Center (SIRO) by DSIR in 2011 valid up to 2023.
11.	Four research projects (DST (2), UGC (1), MTRDC (1)) executed
12.	Research project (sanctioned by DRDO) for 45.81 Lakhs, under execution
13.	Six Research Projects under TEQIP – III in association with JNTUH, Hyderabad
14.	NBA Training Center under Osmania University Nodal Center
15.	Participated in NIRF Ranking
16.	Participated in OUTLOOK – 2020 Best Private Institute survey, obtained a score of 379.21 and got 110th Rank in All India.
17.	Stood one among top 25 Private Engineering Institutes-2019 in Telangana, one among top 100 Engineering Institutes in India by Times Annual Engineering College Ranking Survey.
18.	Participated in The Week Magazine Survey.
19.	Obtained 178th Best Engineering College Rank in All India by MDRA-India Today 2020 Survey.
20.	Participated in GHRDC-2020 Ranking of Tope Engineering Excellence Survey and obtained a score of 714.91out of 1700.
21.	Solution Provider for Zenopsys, Bangalore
22.	MoU with Oracle Academy
23.	MoU with IBM
24.	MoU with Redpine Signals
25.	Some more MoUs with other organizations

Programs offered

S.No	Name of the Program	Program Code	Year of Est.	Accreditation Status			
				NBA		NAAC	
				From	To	From	To
1	B.Tech-CE	A01	2014	Applied (Visit Pending)		09-06-2017	08-06-2022
2	B.Tech-EEE	A02	2006	2018-19	30-06-2021	-do-	-do-
3	B.Tech-ME	A03	2011	-do-	-do-	-do-	-do-
4	B.Tech-ECE	A04	2005	-do-	-do-	-do-	-do-
5	B.Tech-CSE	A05	2005	-do-	-do-	-do-	-do-
7	B.Tech-IT	A12	2019	-	-	-do-	-do-
12	M.Tech(CSE)	D58	2011	-	-	-do-	-do-
13	MBA	E00	2006	-	-	-do-	-do-

New Programs added

S.No	Name of the Programintroduced in 2020-21	Intake
1	B.Tech-IT	60

Syllabi/Curriculum revised in 2019-20

Name of programme	Programme Code	Programme Specialization	Dates of revision
B.Tech.	A01	CE	24/06/2019
B.Tech.	A02	EEE	24/06/2019
B.Tech.	A03	ME	24/06/2019
B.Tech.	A04	ECE	24/06/2019
B.Tech.	A05	CSE	24/06/2019
M.Tech.	D58	CSE	15/07/2019
MBA	E00	PG	15/07/2019

FDP$_S$ organized by GCET

S No	Department	2019-20
1	CE	06
2	CSE	15
3	EEE	5
4	ECE	31
5	ME	5
6	Management Studies	10
7	FED	26

FDPs attended by our faculty

S No	Department	2019-20
1	CE	62
2	CSE	417
3	EEE	63
4	ECE	115
5	ME	82
6	IT	155
7	Management Studies	99
8	FED	167

Student Intake and Admitted

S. No.	Program	SanctionedIntake	Total No. ofStudentsAdmitted			Vac.
			M	F	T	
1	B.Tech-CE	120	74	17	91	29
2	B.Tech-EEE	120	67	19	86	34
3	B.Tech-ME	120	77	03	80	40
4	B.Tech-ECE	240	136	104	240	0
5	B.Tech-CSE	240	131	109	240	0
6	B.Tech-IT	60	32	28	60	0
7	M.Tech-CSE	30	01	02	03	27
8	MBA	60	23	37	60	0

Students' strength in UG and PG (Year wise)

S.No	Name of the program	I Year	II Year	III Year	IV Year
1	CE	91	122	145	119
2	EEE	86	124	138	133
3	ME	80	126	134	126
4	ECE	240	264	282	288
5	CSE	240	260	263	242
6	IT	60	-	-	-
7	M.Tech-CSE	03	05	-	-
8	MBA	60	53	-	-

Number of teaching staff (2019-20)

Dept.	Faculty with designation			Total Faculty in the Dept.	Number of faculty with PhD in the Dept.
	Prof	Assoc. Prof	Asst. Prof		
CE	5	4	20	29	4
CSE	7	15	43	65	10
IT	1	0	3	4	1
EEE	3	5	19	27	5
ECE	11	16	28	55	12
ME	5	4	24	33	5
Freshman Engineering	8	14	25	47	19
Management Studies	3	2	11	16	3
Total in all Departments	**43**	**60**	**173**	**276**	**59**

Faculty recruited and relieved in AY: 2019-20

S.No	Name of the Prog./Dept.	No of faculty recruited	No of faculty relieved
1	CE	--	5
2	EEE	6	3
3	ME	--	4
4	ECE	4	4
5	CSE	8	8
6	FED	5	2
7	MBA	3	1

Number of non-teaching staff

Admin	Library	Technical	Drivers	Attenders	Aayas / Cleaners	Gardeners
47	08	42	49	26	28	14

Research and Development activities

(a) Research Publications

Department	No. of Publications
CSE	27
ECE	14
EEE	30
CE	07
ME	23
IT	05
Management Studies	06
FE	24
Total	**136**

(b)   Sponsored Research Projects Carried Out

Research projects including TEQUIP (Collaborative)

Name of the PI/Co-PI	Department of the Principal Investigator /Co-Investigator	Name of the Funding Agency	Type	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
PI: Udaya Kumar Susarla, Co-PI: OVPR Siva Kumar	ECE Department	DRDO	Government	Rs. 45.81 Lakh	20-07-2018	3.5 Years	Development of Novel Carbon Nanotube/Polymer Nano composite Materials for EMI Applications **Ref.no. EIRP/ER/1504754/M/01/17 19**
Dr. Anil Kumar Puppala	EEE Department	JNTUH	Government	Rs.2.50 Lakh	22-Jul-19	1 year	Introducing pulsatile flow through BLDC motor control for ventricular assist devices **Ref.no. JNTUH/TEQIP-III/CRS/2019/EEE/05**
Dr M A Bharathi	EEE Department	JNTUH	Government	Rs.2.70 Lakh	22-Jul-19	1 year	Deep learning based smart assisting for blind people **Ref.no. JNTUH/TEQIP-III/CRS/2019/EEE/07**
Dr P Sudhakar (CO-PI)	EEE Department	JNTUH	Government	Rs. 2.99 Lakh	22-Jul-19	1 year	Speech Enabled IVR based On Line Market for Farmer **Ref.no. JNTUH/TEQIP-III/CRS/2019/ECE/07**

Name of the PI/Co-PI	Department of the Principal Investigator /Co-Investigator	Name of the Funding Agency	Type	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
Dr K Shashikala	FE Department	JNTUH	Government	Rs. 2.50 Lakh	25-Sep-19	1 year	Synthesis and anticancer activity of novel quinoxaline-2-carbohydrazide n-oxide derivatives **Ref.no. JNTUH/TEQIP-III/CRS/2019/Chemistry/04**
Dr N. Subhadra	FE Department	JNTUH	Government	Rs. 2 Lakh	25-Sep-19	1 year	Peristaltic Transport of Nano fluids **Ref.no. JNTUH/TEQIP-III/CRS/2019/Mathematics/04**
Dr. Ch. Ramesh Babu	CSE Department	JNTUH	Government	Rs. 2.95 Lakh	22-Jul-19	1 year	Machine Learning Approach for Plant Disease Identification using Leaf Images **Ref.no. JNTUH/TEQIP-III/CRS/2019/CSE/07**

(c) Consultancy Carried out

Name of the Staff member	Dept.	Name of the Funding Agency	Type (Government/ Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
Dr. R. S. Raju	ECE	VEM Technologies Pvt. Ltd.	Non-Government	Rs.10,000/ visit	Apr-19 onwards	2 years	Development of specific microwave tube for defence application

(d) No. of faculty acting as PhD guides since from inception

Name of full-time teachers with PhD	Qualification / and Year of obtaining PhD	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution?Ifnot,when did he/she leave the institution?	Name of the scholar	Month and Year of registration of the scholar	PhD Scholar's Title of the Thesis
Dr.S.Udaya Kumar	Ph.D-2006	Yes	2007	Yes, Working as Principal	Mr.K.Ravindra Babu	04-08-2008	A New Framework for Scalable Secure Block Cipher Using Colour substitution and Permutation on Character Image Diagram
					Ms.V.Aruna	04-08-2008	Advanced Hill Ciphers using Involutory Matrix
					Ms.G.Lokeswari	12-07-2009	Some Block Ciphers in Cryptography involving Interlacing Decomposition, Module Multiplication and its inverse
					Ms.N.Swapna	16-11-2012	Combining Visual

							Cryptography and Elliptical curve cryptography for robust encryption
Dr.P.Srihari	Ph.D-2007	Yes	2012	Yes	Ms. K.Radha	2012	Spectrum sensing for cognitive radio in multiuses environment
					Ms.K.Deepthi	2012	Investigation using Fuzzy logic control to track max power point for solar photo votaire cell
					Mr.K.Jamal	2013	Implementation of built inself test using low power test pattern generators in test per clock
					N.Shribala	2013	Investigations on performance of cognitive radio
Dr.B.V.Swathi	Ph.D-2010	Yes	2012	Yes	G.Praveen Kumar	2012	Data Mining

(e)Book chapters published

Department	No. of publication
CSE	6
ECE	2
ME	3
EEE	17
FE	10

Infrastructure augmentation

Facilities	Existing upto 2018-19	Newly added in 2019-20
Campus Area	10 Acres	0
Class Rooms	63	3
Laboratories	76	0
Seminar Halls	4	0
No. of Important equipment purchases above 1Lakh	985	236
Class Rooms with LCD facilities	6	0
Seminar Halls with ICT facilities	4	0
Video center	0	0
Value of the equipment purchased during 2019-20 (Rs. In Lakhs)	1619.49	166.7
Class Rooms with Wi-Fi or LAN	6	6
Others (Elevators)	3	0

Major Books/Journals added in Library

Library Service Type	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	35869	9782135	1722	935524	37591	10717659
Reference Books						
e-Books	6981	219640	1049	57820	8030	277460
Journals	1274	3447010	170	499296	1444	3946306
e-Journals	20398	9718769	3055	523874	23453	10242643
Digital Database	DELNET	50070	DELNET NLIST	13500	DELNET NLIST	63570
CD & Video	CDs-1943, Videos-5571	0	CDs-1182,Videos-1875	0	CDs-3125, Videos-7446	0
Library automation	2	500000	1	100000	2	600000
Weeding (Hard & Soft)	1433	182466	0	0	1433	182466

Students results-outgoing batch-2020(Final Semester)

Programme Code	Programme name	Program Specialization	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
01	B.Tech	CE	118	105	88.98
02	B.Tech	EEE	133	128	96.24
03	B.Tech	ME	124	112	90.32
04	B.Tech	ECE	286	253	88.46
05	B.Tech	CSE	243	221	90.95
58	M.Tech	CSE	5	5	100.00
E0	MBA	MBA	51	48	94.12

Student internships (Details of students undertaking field work/projects/ internships/student projects

Programme Name	Programme Code	List of students undertaking field projects / internships /student projects
B. Tech- CE	A01	176
B. Tech- EEE	A02	39
B. Tech- ME	A03	129
B. Tech- ECE	A04	274
B. Tech- CSE	A05	101
B. Tech- IT	A12	112
MBA	E00	04
FED	-	04

Summary of Placement details (Number of outgoing students who got placementoffers during the year)

Placement Details summary for the AY 2020-21			
S.No	Department	No. of placements with multiple offers	No. of students placed
1	CE	89	45
2	CSE	284	161
3	ECE	197	138
4	EEE	70	53
5	ME	92	66
6	MBA	16	15
Total		748	478

Highest salary package: Rs.7 LPA

Lowest salary package: Rs. 3.0 LPA

No. of students going for higher education

S.No.	Name of the Department	No. of students gone for Higher Education
1	CE	05
2	EEE	09
3	ME	19
4	ECE	45
5	CSE	30
Total No. of students gone for Higher Education		108

NSS Activities held in 2019-20

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
"Better Spoken English and MS-Office" Program	GCET-NSS Unit	5	2
Dental Camp	ARMY COLLEGE OF DENTAL SCIENCES – Secunderebad.	25	200
Donation of Stationary to Govt.Priamary Schools-Cheeryal.	GCET-NSS Unit	11	40
"Dental Treatment" Program	ARMY COLLEGE OF DENTAL SCIENCES – Secunderebad.	5	34
"Haritha Haaram" Program	TS Government	11	158
Cutting and Tailoring Classes for women(Cheeryal and Yadgarpally villagers)	GCET-NSS Unit	2	0
Teaching and Helping Hands to Govt Primary Schools of nearby villages(Cheeryal,Yadgar Pally,ThimmaiPally,KundanPally,Godh umakunta and KarimGuda)by GCET-Students.	GCET-NSS Unit	8	60
Blood Donation Camp	LIONS CLUB-Jubilee Hills.	6	15

Faculty achievements

Department	Patents	Qualified in NET/SET/SLET/ NPTEL/MOOCs	Invited Talks/Chaired in Conferences	Obtained PhD while working in college
CE	--	03	02	01
CSE	05	07	03	02
EEE	--	02	01	--
ECE	03	07	07	--
IT	02	--	--	--
ME		02	01	--
MBA	--	02	--	--
FED	--	03	13	--

Student achievements

Department	Hackathons /Project Exhibitions	Paper/Poster Presentations
CE	01	07
CSE	06	03
EEE	08	19
ECE	18	07
IT	--	--
ME	02	--
FED	24	--

Few Photos of Events Organized

Orientation Day

Alumni Meet

FINE ARTS AND CULTURAL CLUB

FRESHERS DAY

Fresher's Day, the mega event for B. Tech first year students was celebrated by all departmentsSeparately on 21.07.2019. The first years had a gala time the whole day. Many fun events marked the day. The event   broke the ice and acted as a platform for the Freshers to mingle freely with their seniors. The event was attended by almost all Freshers.

INDEPENDENCE DAY

On the night of August15,1947, the first Prime Minister of Independent India, Jawaharlal Nehru, said, "At the stroke of the midnight hour, when the world sleeps, India will awake to life and freedom." And since then, this day marks the commemoration of India's freedom from the clutches of the British Rule. To mark the significance of this day, on 15th August, 2019 Geethanjali College of Engineering and Technology celebrated 73 years of independence.

The event started with the hoisting of the Indian flag commemorating the freedom struggles that have led us to this day. The Administrative Officer as well as the support staff and bus drivers participated in this hoisting enthusiastically, followed by the singing of the National Anthem.

BATHUKAMMA AND DANDIYA RAS- REPORT

The festival of flowers Bathukamma was celebrated with great gusto. Dandiya Raas competitions brought the entire college dance to Bathukamma and Navrathri tunes. Flowers, colors, mirth and excitement marked the day. Bathukammas were arranged on the forenoon of 06. 10. 2019 and Dandiya Raas was celebrated in the afternoon.

INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL MATERIALS 2K19-CULTURAL NIGHT

The Cultural Night of ICMM2k19wasorganizedon 20.12.2019 by the club. dancing, singing, thematic skits marked the Cultural Night. The warm bonfire set perfect ambience to enjoy the show. The event ended with faculty and students dancing to the tunes of Indian music.

ONE DAY WORKSHOP ON JEWELLERY MAKING WITH QUILLING PAPER

The event was held on 25.01.2020. The Objectives of the Workshop were to train the students in the skill of making jewelry and dolls with quelling paper, to empower students with Entrepreneurship Skills, to inculcate in the students the sense of team spirit. Ms. Harshini, Founder, Sreeha's Creations and the resource person shared valuable inputs with the students regarding balancing Art and Studies. Later, she demonstrated the process of making bangles, earrings and doll-making. The student's art work was put on sale from 3:40PM to4:15 PM. Students whose items were sold felt delighted on their first earning. The important skills learnt by the students were Teamwork, Patience, Skill of balancing studies and extra-curricular activities and Entrepreneurship Skills.

REPUBLIC DAY CELEBRATIONS

India marks January 26 as its Republic Day every year. In 2020, the country celebrated its 70th Republic Day. While India gained independence from the British Raj in 1947, it wasn't until January 26, 1950, that the Indian Constitution came into effect, and India became a sovereign state, declaring it as a republic. Celebrating the 70th Republic Day on 26.01.2020, Geethanjali joined hands with the entire nation to commemorate this day. The flag was hoisted with the Administrative Officer along with the support staff. This was followed by the National Anthem with everyone joining in with their voices.

CULTURAL CLUB COMPETITIONS

Competitions in Fruit Carving, Hair Styling, etc., were conducted on 07.03.2020totapthe innate talent of the students. These events gave respite to students from their hectic schedule.

Fruit Carving

Hair Styling

TALENT DAY

TalentDay2019 which was held on 12.03.2020 was a plat form for first year students to show case their talent in Fine Arts. Many students participated enthusiastically in singing, dancing and instrumental music.

VIBGYOR

The club coordinated with the CSE Department in organizing VIBGYOR on 13.03.2020. DJ Carnivore- EDM specialist, DJ Akhil- Bollywood songs specialist enthralled the audience with their mesmerizing show. Students' enthusiasm hit the sky with singing and dancing.

VIBES

The club coordinated with the CSE Department in conducting VIBES on 14.03.2020, the last offline event of the academic year. The event was a crowd puller as usual. Singing, dancing, skits and ramp walks set the stage on fire. The dance groups vied with each other to entertain the audience. Sri V. Venkata Raju, Chairman and Director, VEM Technologies graced the occasion as the Chief Guest.

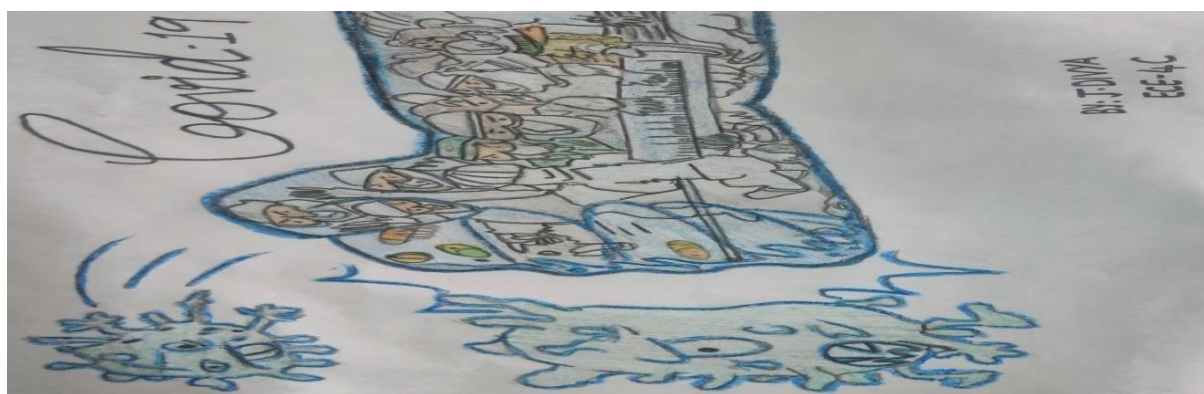**COMPETITIONS IN WAKE OF THE COVID-19 PANDEMIC**

The Fine Arts and Cultural Club conducted competitions in wake of the COVID-19 pandemic from 24.4.20 to 30.5.20. The event encouraged submissions of artistic expressions in following media:

- Paintings – on Canvas/Paper – oil, water colours, pencil, crayons
- Digital Art – Graphical Posters & Paintings

The expressions of artists are categorized into the following:

- Contemporary Art
- Folk & Tribal Art
- Cartoons & Illustrations
- Digital & New Age Art

The students were asked participate enthusiastically and present their emotions, feeling, ideas and innovative thoughts on the COVID-19 pandemic, social distancing, quarantine and the fight against the virus. The participation was not encouraging as many students are still grappling with online tools. Only one student participated in the event.

Prize Winner:

Name ofthe Student	Branch&Section	Prize
J.Divya	IV ECEC	First

INNOVATION AND INCUBATION CELL ACTIVITIES

List of Workshop / Awareness Programs:

S.No	Event	Resource Person	Organization	Target Audience	Date
1	Workshop on Design Thinking	Mr. Abhimanyu Bharadwaj	21ID	Students of 1st year all branches	7/9/19
2	Workshop on Enhancing all career paths with Entrepreneurship abilities	Mr. Pavan	Metamorphosis	Students of 1st year all branches	6/9/19
3	Workshop on humanoid Robotics	Mr. Pratik Triodkar	Edux Labs	Students of 1st year all branches	9/8/19 – 10/8/19
4	Orientation Program on Innovation and Entrepreneurship	Dr. Anil Puppala Mr.Y.V.N. Phani Kishore	GCET	Students of 1st year all branches	5/8/19, 8/8/19
5	Samasya Workshop	Mr. Y.V.N. Phani Kishore	GCET	Students of 1st year all branches	27/9/19

Hackathons:

S.No	Event	Resource Person	Organization	Target Audience	Date
1	Hackathon – service now	Mr. Sanuj	Service Now	Final Year CSE students	28/8/2019
2	Hackathon – Robotic Process Automation		GCET	**Students of all years and all branches**	23/12/19 – 24/12/19

List of Projects:

S.No	Name of the Project	Student Details		Status
		Name	**Roll No**	
	Year: 2019-2020			
1	Edupad – A portable tool for blind	L. Venkatesh	16R11A0570	Investor pitch in
		Meghana M.R.	18R11A05M9	
		A.N.S.V.S.L. Krishnaja	18R11A0102	
4	Temporary communication network establishment and surveillance on civilians during natural disaster	A.Jyotishwara Prasad	17R11A05G4	Literature survey in progress. Industry mentor requested
		G.Sai Rohith Vishal	17R11A0462	
		L. Akhila	18R11A0232	
5	Automated Seed Sowing Machine	V. Vinay Kumar	16R11A0594	Investor Pitch in
		Pooja M.R.	17R11A0488	
		T. Koushik Choudary	18R11A03A9	
7	Organic Recycler	T. Deeksha	16R11A0589	Work in Progress Design complete
		T. Sri Harshitha	16R11A0588	
		D. Vaishnavi	16R11A0556	
8	Water usage and leakage detection	M.SriLekha	18R11A0478	Investor Pitch In
		A.Saisankeerthana	17R11A0451	

Achievements / Accomplishments

1. An idea (Edupad) has been selected by the industry for mentorship and investor support.
2. Represented Geethanjali with an PoC (Automated seed sowing machine) at CII summit, JHUB – JNTUH for investor's pitch in.
3. Organic Recycler has been identified as the innovative project by Texas Instruments and put forward for investor pitch in.
4. An idea (water usage and leakage detection) has been nominated by Ministry of HRD for a Proof-of-Concept competition at the Central University of Hyderabad.
5. Won 1st prize at IEEE CSIS event organized by IEEE – Kerala section at MES College of Engineering
6. 1st in Asian Region - Richard E. Mervin student scholarship 2019 was given to a student worth of $1000.

CACG activities

S.no.	Date	Activity	Resource Person	Designation	Institute of Resource Person	No. of students attended	Branch of Students
1	9-11 Dec 19	BYJU's Interaction	BYJU's team		BYJU's	300	Third year students of all branches
2	14-Dec-20	Maanya Review Interaction	Director	Director		40	All
3	17-Dec-19	UG Fellowship Introduction for undergraduate students	Dr.Sandip Inamdar &Dr.Janhavi Inamdar	Director &Vicepresident	Vishwaniketan	100	All
4	05-Jan-20	Interaction with Faculty from Carnegie Mellon	Dr.B.Vijayakumar	Professor	CMU,USA	45	CSE,EEE, ECE
5	11-15Feb 2020	Maanya Review Interaction	Maanya Team			300	Third year students of all branches
6	18-Feb-20	Edweiss interaction	Edweiss Team			40	All branches

INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL MATERIALS (ICMM 2019)

December (19-21) -2019

The multi functionality in materials enables many modern applications which can improve quality of life and address many important global challenges. Consequently, the interdisciplinary field has recently extended to computational engineering approaches for virtual material design and even to advanced fabrication schemes considering the advantage of digitalization. This has lead to reinforce the objective of enabling and accelerating the development and manufacture of the products of the future.

Geethanajli College of Engineering and Technology is promoted by Teja Educational Society and was established in the year 2005. As an autonomous college since 2016 and NAAC Accredited with 'A' Grade, N.B.A. Accredited and affiliated to JNTU (H) Hyderabad and AICTE, the college has been making inroads, providing quality technical education.

ICMM-2019, hosted by Geethanjali College of Engineering and Technology has provided a platform to deliberate on technological challenges and development and the role of multifunctional materials in addressing the challenges and accelerating the development. Geethanjali College of Engineering and Technology was instrumental in providing an ideal platform for around 300 participants across the globe (10 countries) to present their papers and exhibit their posters.

Research scholars, academicians from various parts of India and abroad participated in the deliberations and presented their papers and or posters.

Local transport was provided for all the participants from nook and corner of the city. Boarding and Lodging facilities were provided to all the guest.

The plenary sessions and invited talks quenched the thirst of the scholars, students and academicians on various aspects of Multifunctional Materials, their role in developing research in interdisciplinary areas to provide viable solutions to many problems.

Chief Guest of the Inaugural session Dr. Vikas Kumar, Ex-Director, DMRL-DRDO and Guest of Honour, Sri. G. Ranjith Reddy, Minister of Parliament, Chevella Constituency graced the occasion and highlighted the need for organizing this kind of a conference.

Scientists and Academicians from reputed institutions such as University of Tsukuba, Japan, Ryazan State University, Russia, Tokai University, Japan, ARCI-Hyderabad, CSIR-IICT, Hyderabad, IIT-Bombay, University of Hyderabad, to name a few delivered plenary

and invited talks. The total number of plenary sessions and Invited Talks were 09 and 05 respectively.

The paper presentation sessions were chaired by eminent academicians and the poster presentations were judged by renowned academicians.

Book of Abstract with ISBN number (978-93-5396-620-1)was released. Published 162 research articles in Scopus indexed AIP Conference Proceedings (122) and IOP Journal of Physics: Conference Series (40). In this, 18 papers are from our college. To promote research culture and encourage in house faculty, the institution has paid the publication fee for these 18 papers, an amount of Rs. 80,000.

Two of our III-year students are appointed as Interns from July, 2019 to Dec, 2019. They were entrusted the responsibility of developing the conference website and to design the necessary conference material. On completion of the internship Rs.5,000/- was paid to each student as a token of encouragement.

Prizes worth Rs.4,000/- for oral presentations and 3,000/- for poster presentations respectively were given to young researchers to encourage their spirit of research. More than 90% of the participants have given 5-star rating or rated the conference as excellent.

Few photographs of ICMM 2K19

Accounts at a glance

TEJA EDUCATIONAL SOCIETY
Sy.No.33 & 34, Cheeryal (V), Keesara (M).R.R.Dist.(T.S)-501 301

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31.03.2020

	PARTICULARS	Rs		PARTICULARS	Rs
To	Staff Salaries	23,14,33,281			
To	EPF (Employer Share of Cont.)	95,70,776		**FEES RECEIPTS**	
To	ESI (Employer Share of Cont.)	10,32,874	By	Tuition Fees	34,29,70,500
To	Telephone charges	3,11,394	By	Admission fees & Other fees	5,54,32,198
To	Printing & Stationery	1,45,83,144	By	Transportation Fee	3,84,79,926
To	Electricity Charges	32,69,430	By	Other Income	14,52,126
To	Building Repairs & Maintanance Expenses	1,04,21,027	By	Interest Received on TDS Refund	7,224
To	College Maintanance Expenses	21,01,946			
To	Lab consumbles & Repairs Maintanance	7,93,227			
To	Seminars & Workshop	6,74,681			
To	Guest Honarorium	9,61,000			
To	Faculty Development Programe	2,74,685			
To	Student Projects Expenses	5,99,150			
To	Student Technical Activities	6,55,740			
To	R & D Project Expenses	3,16,850			
To	Paper Publication Incentives	77,000			
To	NSS Unit Exp.	88,849			
To	Vehicle Repairs & Maintenance	6,95,042			
To	Training & Placement Exp.	39,76,447			
To	Sports & Games Expences	3,15,364			
To	Staff Welfare & Incentives	19,47,657			
To	Hospital Intentionship Fees	29,75,000			
To	Generator Maintenance	6,91,105			
To	TASK Registration Fee	9,17,956			
To	TSSCHE /TSCET Fee	3,26,000			
To	Periodical &Subscriptions	2,02,252			
To	NBA Fee	2,95,010			
To	PCI Fee	3,11,800			
To	AICTE Fee	2,20,000			
To	JNTU Common Service Fee	89,65,293			
To	Student Mirit Scholarship	26,500			
To	Postage& Telegrams	11,713			
To	Administrative Expences	3,02,127			
To	Membership Registration fee	4,76,333			
To	JNTU/Autonomous Examination Expnses	84,98,278			
To	Bank Charges	2,67,483			
To	Advertisement Charges	39,35,346			
To	Rates & Taxs	33,84,989			
To	Interest term Loan	48,36,441			
To	Interest on working Capital Loan	25,39,694			
To	Interest on Unsecured Loan	3,50,41,612			
To	Hire Charges	8,26,736			
To	Security Charges	30,38,917			
To	Insurance Charges	2,96,998			
To	Insurance Charges on Vehicles	31,52,210			
To	Buses Repairs &Transport Maintenance	1,09,86,173			
To	Garden Maintanance	12,25,053			
To	Functions & Celebrations Exp.	28,26,347			
To	Entertainment & Meeting Exp.	44,010			
To	Travelling & Conveyance Charges	39,60,081			
To	Internet & Website Charges	22,65,063			
To	Computer Peripherals & Maintanance	13,51,440			
To	Consultancy Fee	6,36,000			
To	Audit fee	1,18,000			
To	Furniture Repairs & Maintanance	20,64,227			
To	Electrical Repairs & maintanace	28,71,902			
To	Loss on Sale of Vehicle	7,19,565			
To	Depreciation	3,70,37,667			
To	Excess of income over Expenditure	65,97,089			
	Total	**43,83,41,974**			**43,83,41,974**

Signature valid Digitally signed by
Gaddam Sridevi
Gaddam Sridevi
Date: 2020.12.04
18:24:35 +05:30

Signature valid Digitally signed by
CH HARI BABU
CH HARI BABU
Date: 2020.12.04
18:24:36 +05:30

For TEJA Educational Society

G. Sridhi
President

For HARI BABU & ASSOCIATES
CHARTERED ACCOUNTANTS
Firm Regn. No. 001064S

(Ch. HARI BABU) Partner
M. No. 022361

TEJA EDUCATIONAL SOCIETY
Sy.No.33 & 34, Cheeryal (V), Keesara (M).R.R.Dist.(T.S)-501 301
BALANCE SHEET AS AT 31.03.2020

LIABILITIES		Rs	ASSETS		Rs
CAPITAL			**FIXED ASSETS**		
Corpus Fund		6,69,75,803			
Excess of Income over Expenditure		(7,68,70,223)	NET FIXED ASSETS(As per schedule)		25,94,85,034
Opening	(8,34,67,312)				
Current Year	65,97,089		**OTHER CURRENT ASSETS**		
LOAN FUNDS					
Unscured Loans		31,15,91,991	Canara Mutual Fund		2,00,000
Others Loan	31,15,91,991				
			Staff Salary advances & Loans		6,31,456
Secured Loans		4,48,69,050			
ICICI Bank	44,79,575		Prepaid Expences		16,27,895
Canara Bank	3,22,16,342				
Axis Bank	81,73,133		Hire Charges Suspense		16,03,546
BANK OD A/C					
Canara Bank (O.D)		1,32,36,155	TDS / TCS receiveble		4,95,760
R&D GRANTS RECEIVED		21,95,371	Telephone & Other Deposits		17,78,871
DRDO Project Grants-In Aid-CDA(R&D)	(1,28,233)				
DRDO Project Grant-(MTRDC-CARS)	2,17,048		Consultancy Fee Receivable		1,81,322
JNTUH-TEQIP-III -Research Scheme	1,18,937				
AICTE Grants-(FDP/SPDP/MODROB)	19,87,128		Tuition Fee Receivable		14,31,41,500
SERB Project -A/c	491				
CURRENT LIABILITIES		5,96,31,338	**CURRENT ASSETS**		
Other Sundry Liabilities	2,23,85,467		**CASH AND BANK**		
Staff Salary deposits	6,43,590		Cash at Bank		1,24,44,572
Canteen Deposit	50,000		**CASH**		
Other Provisions for Expenses	3,10,69,281		Cash in hand		39,529
Advance Tuition fee	54,83,000				
		42,16,29,485			42,16,29,485

For Teja Educational Society

G. Sridi
President

For HARI BABU & ASSOCIATES
CHARTERED ACCOUNTANTS
Firm Regn. No. 001064S

(Ch. HARI BABU) Partner
M. No. 022361