



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution	
	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. S. Udaya Kumar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9866308257
• Alternate phone No.	9912744988
• Mobile No. (Principal)	9866308257
• Registered e-mail ID (Principal)	uksusarla@gmail.com
• Address	Cheeryal (Village), Keesara (Mandal), Medchal (District)
• City/Town	Hyderabad
• State/UT	Telangana
• Pin Code	501301
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	19/04/2016
• Type of Institution	Co-education
• Location	Rural

• Financial Status	UGC 2f and 12(B)				
• Name of the IQAC Co-ordinator/Director	Dr. B. Leelaram Prakash				
• Phone No.	9346314538				
• Mobile No:	9346314538				
• IQAC e-mail ID	iqac@gcet.edu.in				
3. Website address (Web link of the AQAR (Previous Academic Year))	https://www.geethanjaliinstitutionns.com/engineering/img/downloads/AQAR_20-21.pdf				
4. Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.geethanjaliinstitutionns.com/engineering/img/downloads/Revised%20Academic%20calenders-2021-22.pdf				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.36	2017	09/06/2017	08/06/2022
6. Date of Establishment of IQAC	11/06/2012				
7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Teja Educational Society (GCET)	Scientific and Industrial Research Organization	Department of Scientific and Industrial Research (DSIR)	01/04/2020	0
PI: Udaya Kumar Susarla, Co-PI: OVPR Siva Kumar, Co-PI:Dr.G.N eeraja Rani	Extramural Research & Intellectual Property Rights	DRDO, Kanpur	02/04/2018	458100000
Mr.Somasekhara Rao Koganti	AICTE-MODROB	AICTE	20/07/2020	352157

8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
9.No. of IQAC meetings held during the year	9	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		

11. Significant contributions made by IQAC during the current year (maximum five bullets)

- A concerted effort towards sustaining and improving quality in all activities of the institution resulted in securing 12th position in the "CSR-GHRDC Engineering Colleges Survey-2022" conducted by CSR-GHRDC in the state of Telangana and rated as "Top Engineering Colleges of Excellence", securing 19th position at national level.
- Based on the suggestions given by IQAC, more rigorous training was given to advanced learners, which resulted in significant improvement in placements. (1506 offers, 678 individual placements).
- Organized a webinar on IPR emphasizing on the conduct of quality research has resulted in faculty research publications in reputed journals and Twenty two (22) patents.
- Facilitated training on emerging areas, namely, AIML, IoT, Data Sciences etc. to students and faculty.
- IQAC team interacted more frequently with faculty of various departments and in particular with departments of Civil Engineering, CSE, EEE & ECE, which have applied for accreditation by NBA. During the interaction, faculty members who have joined in the last two (02) years, since the previous accreditation were explained the importance of accreditation by NBA and NAAC, regarding documentation and presentation of the same to the accrediting bodies. This has resulted in a better presentation of various activities conducted and documented over the last 3-4 years to the committees of accrediting bodies, which have visited the campus.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
1. To increase the number of activities that involve student development ensuring quality in every activity.	Organizing student development activities such as Design thinking workshops etc. that have helped students to improve analytical skills which resulted in increased participation in Hackathons.
2. Participate in NIRF ranking wherein we intend to improve our NIRF ranking from (251-300) band to a rank under 200 rank improving quality of Teaching Learning Process, placement training programs, thus enhancing median salary pay package of the students,	Participated in NIRF Rankings-2022 Student placements, median salary, publications by faculty and patents have increased

<p>research publications and patents.</p>	
<p>3. Provide training on emerging areas such as Artificial Intelligence, Machine Learning, IoT, Cyber Security, Blockchain Technologies, etc. across all sections of students for improving their employability. Towards this end, institute has already established a few laboratories in some of these areas and strengthen existing labs and establish some more new labs.</p>	<p>By establishing new laboratories, namely, Artificial Intelligence Lab, Robotics Lab and Machine Learning Lab in emerging areas, and strengthening existing labs, more students have carried out projects in emerging areas and were benefitted by participating in hackathons, project exhibitions etc.</p>
<p>4. Identify and recruit some more senior faculty in emerging areas on a continuous basis, keeping in view of the future demand.</p>	<p>In the academic year, 2021-22, out of the total 81 faculty members recruited, 25 faculty members recruited are in emerging areas and are having more than 10 years of experience.</p>
<p>5. Enhance a greater number of ICT enabled class rooms/labs for improved teaching learning process.</p>	<p>Increased number of ICT enabled classrooms from 48 in AY 2020-21 to 56 in AY2021-22.</p>
<p>6. Encourage faculty to publish their research articles in more reputed journals such as Springer, Elsevier etc. and increase number of patents.</p>	<p>Faculty publications increased from 128 in A. Y. 2020-21 to 147 in A. Y. 2021-22.</p>
<p>7. Strengthen Incubation centre by extending support and guidance to the students/faculty involved in by way of procuring H/W and S/W.</p>	<p>Purchased more hardware components such as Arduino, Raspberry Pi, sensors etc. enabling students in carrying out more projects at incubation center</p>
<p>8. Adopt a systematic method to treat the waste water by establishing a mini treatment plant to safeguard the environment.</p>	<p>Water treatment plant could not be done.</p>

<p>9. Encourage the students to participate in good numbers in more Hackathons conducted by AICTE, JNTUH (our affiliating university) and other reputed organizations time to time by providing financial and necessary support and guidance.</p>	<p>434 students have participated in Hackathons in 2021-22 compared to 92 in 2020-21.</p>
<p>10. Plan to establish at least one start-up by involving alumni, students and college by providing financial support and technical guidance.</p>	<p>Four Start-Up companies are functioning in the college out of which one company (Samyagdrushti Surveillance Pvt. Ltd.) is initiated in A. Y. 2021-22, while the remaining in academic year 2022-23.</p>
<p>11. Provide training to students in advanced skill development programs so that they secure higher salary packages.</p>	<p>Advanced training/skill development programs are conducted in various departments, whose impact is visible with 108 students placed in product-based companies with an average package of 6.2 lakhs rupees per annum in the graduated batch of 2022.</p>
<p>12. Invite more IT industry professionals at senior cadre into its Governing Body and Academic Council so that they help in establishing contacts with more companies for students internships which may fructify towards increased number of Campus placements in the near future.</p>	<p>Two members Mr Kumar Mainampati (VP, Infosys), Mr. Sheshu Kumar Gudepu (General Manager in Wipro) members from IT industry, inducted into Governing Body and Mr. Suresh Kumar Bopparaju, Director (Systems Engineering), Quadrant Future Tek Ltd.), Mr. N. Venkatesh, Sr. Engineering Director, Silicon Labs, and Mr. T. Gopi Chand, Chairman & Managing Director, Tera Software Limited are inducted into Academic Council.</p>
<p>13. Establish a Centres of Excellence, particularly in emerging areas, with industry collaboration that would immensely benefit faculty and</p>	<p>Established Virtusa Center of Excellence, Centers of Excellence in VLSI and IoT. Through Virtusa Centre of Excellence, conducting online</p>

students.	sessions on Artificial Intelligence, Machine Learning and provided internship to students who got placed at Virtusa. Students were also encouraged to do ITIL certification.
14. Have more active and deeper involvement of Alumni in student development activities and programs more often.	Alumni advised on the development of laboratories, helped in establishing a stronger Industry Institute Interaction, thereby, facilitating placements, more industrial visits, and internships for students and also resource persons for student and faculty development programs.
15. Involve more number students to participate in community services thereby facilitating students develop empathy, responsibility to social issues which would help them to come up with ideas towards solving societal problems.	Involved 765 students in conducting 15 different community related events organized by the NSS unit of the college.
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body, GCET	13/04/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	

Year	Date of Submission
2021-22	02/01/2023

15. Multidisciplinary / interdisciplinary

Institution has plans to offer core/fundamental courses required to lay the foundation in order to pursue any branch of Engineering. These courses shall include the content in depth, that facilitate real time applications of almost every discipline of engineering. Learners shall be facilitated to choose courses across various disciplines. However, certain core and fundamental courses pertaining to the discipline are mandatory without which the learner cannot be awarded a UG degree in the concerned discipline. Another salient feature is, most of the fundamental courses being offered would be hands on courses. In-addition, we have already identified vocational courses each with a duration of 32 hours, which are to be integrated along with the core/fundamental courses providing the learners a real time experience with which, if the learner wants to exit prematurely, should be able to acquire the necessary skills enabling the learner to seek an employment and make a decent living. When learners are involved in curricula that has a good blend of Humanities, Social sciences, and Management science courses, they acquire certain life skills, namely, critical thinking, interpersonal skills, empathy, emotional quotient, intellectual, spiritual, and philosophical approach to life, which are the essential ingredients that facilitate one to look at the broader perspective of the purpose of existence of human life, which is for societal contribution. Hence, we plan to introduce credit-based courses on Human values, Professional ethics, Environmental science, social sciences, Gender sensitization, Indian Ethos & Philosophy etc.

16. Academic bank of credits (ABC):

Academic committee of the institution has deliberated on options for multiple entry/exit points along with the vocational courses to be offered. A discussion took place on the vocational courses and other associated courses, which facilitate the learner to make a decent living if she/he chooses to take an exit prematurely. Institution has identified a senior professor to coordinate the above including preparation towards registering with ABC after taking approval from its Governing Body and Academic Council. Curricula being designed, in particular, vocational courses to be integrated into the curricula, facilitate the learner to deposit the acquired credits soon after the completion of their first/second/third year and take a temporary exit for some time and re-join or exit with an

appropriate certificate/diploma/degree. Faculty will be trained on various pedagogical approaches and encouraged to design their own courses within the designed course outline, meeting the program outcomes. A model exit plan is as follows:

Exit after First year:

- Engineering workshop - I
 - Welding (gas and plasma), Smithy, Filing
 - Auto-CAD - I
- Engineering workshop - II
 - Carpentry, Plumbing and House wiring
 - Auto-CAD - II
- IT Workshop - I
 - Computer Assembly, Fault Finding, Installing software
- IT workshop - II
 - MS Office (word, excel and power point)
- Electrical/Electronic Workshop - I
 - Electrical wiring, Soldering
- Electrical/Electronic Workshop - I
 - PCB Fabrication
 - Transformer / Motor winding

Exit after second year:

- CE
 - Surveying and Geomatics (Sem 1)
 - Auto-CAD for building drawing (Sem 2)
- CSE/IT/CSE (EA)
 - Networking Installation and Maintenance (Sem 1)
 - Python Programming (Sem 2)

- **EEE**
 - Generator maintenance (Sem 1)
 - Geyser Maintenance, Motor repairing etc (Sem 2)

- **ECE**
 - Basic Electronics Instruments servicing (Sem 1)
 - TV servicing (Sem 2)

- **ME**
 - Lathe machine (Sem 1)
 - Auto-CAD for Machine components (Sem 2)
 - Refrigeration and AC servicing (Sem 2)

17.Skill development:

The institution has been offering training courses on Stitching, paper bags making, MS office etc. to rural unemployed (youth and women folk) thereby facilitating them to make a living, which is in alignment with NEP-20. Geethanjali, as part of its UG curricula, has been administering Engineering Workshop, comprising, "carpentry, smithy, filing, welding, house wiring etc." for a total duration of 32 hours. However, the institute is of the opinion that each of the above, should be for a duration of 32 hours to gain some semblance of proficiency. Hence, the institute has identified vocational courses mentioned under point 2 of this document, integrating the above into curricula of mainstream engineering education programs, by explicitly mentioning the exit/re-entry plan(s), if a learner chooses to, which are almost in alignment with NHEQF. The institution has also designed and administering three additional English language courses, each carrying one credit (each of 32 hours duration) along with two logical reasoning courses, each carrying two credits (each of 64 hours duration), all integrated into the curricula. These courses have been facilitating students acquire adequate soft skills, communication skills and above all, critical thinking and logical reasoning skills, which are essential for gainful employment, higher education as well as career progression. Institution has a tie up with VIHE, Brahmakumaris, Art of living foundation, etc., and has been organizing several events with the help of these organizations towards holistic development of the student. Apart from these, institution also administers orientation/induction program for first year students for a duration

of 90-100 hours. Nearly, 50 faculty have undergone training on student induction program organized by AICTE/UGC/JNTUH. Over and above, four to five mandatory non-credit courses are offered on Human values, Professional ethics, Environmental studies, Gender sensitization and Indian Ethos. Further, several students participate in outreach activities, including NSS. All these promote the learner with a positive outlook through development of humanistic, ethical, constitutional and universal human values of truth, righteousness (dharma) etc. Institution has proposed a program structure for each discipline of its UG programs, if adopted by AICTE/UGC and approved by statutory bodies, wherein, students undergo at least two vocational courses in each academic year of their first two years. Institution is confident that the proposed vocational courses would help students find employment or enable them to start a small business unit of their own. College being located in not too far away from industrial area, proposes to engage the services of the personnel/industry available, utilizing the contacts of industry personnel invited on to its Governing Body, Academic Council and Boards of Studies, rope in more industry personnel to train faculty and technical staff on vocational skills for a sustainable vocational training courses benefitting students, in particular, students who may take an exit path prematurely.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The institution has been attracting faculty and a good number of students belonging to other states which has been helping us to adopt to various cultures of other states, thereby not only developing linguistic and cultural tolerance but also facilitating integration of all cultures resulting in a pluralistic society. Institution plans to develop and administer certificate courses in Vedic Mathematics, astronomy, philosophy, yoga, etc. by tying-up with VIHE, Brahmakumaris, Art of living foundation, etc. Further, institute has also been offering courses on Human Values and Professional Ethics, Gender Sensitization, Environmental Studies, Indian Constitution etc. All these have been facilitating faculty and students of the institute, developing empathy-oriented compassion, practice gender equality, realizing and appreciating the economic and other contribution of women and addressing environmental issues towards sustainable development of society.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Institution has adopted OBE ever since 2010. Geethanjali has been striving hard in providing OBE, which clearly focuses and organizes 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". Accordingly, we have defined our PEOs, using the POs of NBA, organized the curricula in the form of several courses, specified their associated course outcomes. Consequently, adopted pedagogical practices, and subsequently aligned assessments to make sure the learning ultimately happens, ascertaining room for improvement in teaching and learning. Our OBE's Accent is on Promoting Thinking Process. All our faculty appreciate the fact that any learning should promote critical thinking and thus, our main focus has been on ensuring learning rather than teaching, as students cannot learn, if they do not think, since, any learning that doesn't involve thinking is absolutely of "no use". Hence, our pedagogical practices employed engage students with the course content, promoting critical thinking. Our faculty believe that a subject/course "does not exist in isolation", and therefore, help students make "links" to other subjects/courses, thereby motivating them towards continuous/lifelong learning. Faculty strive hard and ensure students appreciate "thinking process" and "enjoy learning" thereby students become self explorers, who ultimately contribute to "Technological Advancements" for "Sustainable Societal Development". Our faculty ensure students acquire specific knowledge, practical skills through experimental and experiential learning (laboratory work, problem/project-based learning, internships, and industrial visits), develop attitude and higher order thinking skills during their course study, leading to professional development. Our faculty adopt various assessment tools to evaluate students' learning by aligning assessment to learning outcomes in a course, and provide feedback to students about their learning and accordingly, adjust their pedagogical practices and/or students' learning behaviours to ensure improved student learning. Towards the end, our OBE programs ensure, Teaching is 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 nurture and develop them both academically, personally and professionally. Teachers provide students with appropriate and purposeful learning experiences and opportunities so that students acquire useful knowledge, develop higher order thinking skills, creativity, originality, self-motivation and independence, which can be used for technological advancements and sustainable societal development.

20.Distance education/online education:

Our faculty make use of ICT-enabled tools for Classroom teaching-

learning practices, preparing relevant power point presentations and videos to augment student learning experiences. Real time simulation exercises and virtual lab exercises adopted by teachers help in the demonstration of complex concepts so that students comprehend/demystify them with ease and are able to understand the nuances of the exercises better. Such efforts have borne fruits in terms of not only better comprehension of the concepts by the learners but also enhanced their long-term knowledge retention abilities. Students and faculty have unlimited access to the institutional Wi-Fi network and digital library, for protracted ICT-enabled teaching-learning.

Extended Profile

1.Programme

1.1	12
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	4057
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	953
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	8102
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	884
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	324
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	324
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	405
4.2 Total number of Classrooms and Seminar halls	70
4.3 Total number of computers on campus for academic purposes	2058
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	2390.76261
Part B	
CURRICULAR ASPECTS	

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Since becoming autonomous in 2016, for the third time, in the academic year 2020-21, institution has revised its curricula. In the same year, institute also started administering undergraduate programmes in emerging areas of computer science, namely, AIML, DS, CS and IoT. All curricula across various programs have been developed catering to the needs of industry 4.0, taking inputs from industry, R&D establishments, professional bodies, government and community, ensuring adequate relevance to the local, national, regional and global developmental needs, facilitating liberal and holistic education: potential to broaden students' perspective and transform the world.

Salient features of the curricula:

Mandatory courses in AI and CS have been introduced in order to cope up with industry needs.

Employability skills namely design thinking, mandatory internship, six English courses, Logical reasoning, project seminar etc have been introduced. Developed IoT, robotics, AI, Data analytics and security, project-oriented lab.

Courses have been developed by taking adequate care in mapping the course outcomes of all these courses to POs and PSOs on level 2 (moderately) and 3 (strongly).

Curricula essentially deals with higher levels of Bloom's taxonomy.

Over and above, institute has also developed curricula for minoring in computer science and emerging areas across various UG programs.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://drive.google.com/file/d/1_a3iKzeFriWX9-nMXtgrqo6p2RZz0ziU/view

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

0

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

801

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year**

177

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

12

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Human Values and Professional Ethics:

Geethanjali firmly believes that its graduates/post-graduates have a responsibility to their Profession and the Organization they serve, as employers expect skills, namely, knowledge, and attitude, which get reinforced through three Es': Education, Environment, and Experience. Courses, namely, "Human Values and Professional Ethics", "Business Ethics", Construction Management, Estimation and Costing, Engineering Economics and Accountancy facilitate development of a holistic perspective among students towards life, profession, empathy and happiness.

Students are sensitized to Professional Ethics, through various activities so that they are able to discharge their professional responsibilities with integrity, dignity, fairness and courtesy avoiding conflict of interest with colleagues and organisation.

Gender equality and Sensitization:

A course on "Gender Sensitization" introduced in the curriculum is implemented through activity-based learning, which include, "Gender Equality - Its importance", "Women in Nation Building", "Training on self-defence techniques", "Health and Hygiene" and "Impact of gender violence on society".

Environment and Sustainability:

To create awareness about the environmental impact on society due to urbanization and industrialization, courses on "Environmental Studies", "Green Buildings", "Global Warming and Climate Change", "Renewable Energy Sources", "Energy Conservation Management", "Environmental Engineering", "Air Pollution and Control" are included in the curriculum, which facilitates students to understand the ecosystem.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

12

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1179

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3100

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.geethanjaliinstitutions.com/engineering/aqar/1.4.1.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.geethanjaliinstitutions.com/engineering/aqar/1.4.2.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1078

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

493

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Students are largely identified into two groups: Advanced and slow learners considering the following factors:

- Regularity in attendance.
- Performance in tutorial sessions.
- Learning abilities.
- Interactions in and outside the classroom.
- Marks obtained in mid-term examinations.
- Performance in the Semester End Examinations.
- Day-to-day performance in the laboratory sessions and performance in the lab mid-term examinations.

Advanced learners are encouraged in all possible ways with special incentives and provisions. They are provided with more challenging tasks and are given advanced training on coding, additional training on value added courses, special training to participate in Hackathons, project exhibitions, coding competitions, etc., facilitating them to build prototypes.

Slow learners are provided with required academic support through focused mentoring and by conducting remedial classes for improving their academic performance. They are given separate learning materials through reinforcement of small segments of learning and are associated with a peer who is an advanced learner. While

formation of groups for the mini and major projects, slow learners are associated with advanced learners to improve their learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/agar/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/08/2022	4057	368

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Geethanjali is committed to enhance students' learning experience, follows student-centric learning methods, detailed below, to inculcate and augment various skills among the students.

Experiential Learning: The college practices 'Learning by doing' through laboratory exercises, workshops, mini and major projects, design thinking, activity-oriented courses/internships/industry visits and Hackathons.

Collaborative and Cooperative Learning is facilitated through peers wherein students discuss ideas with classmates, engage in subject-specific discussions and get feedback from classmates thereby augmenting mutual teaching-learning, assimilating multiple views to deepen the knowledge, promoting critical thinking and there by mitigating learner isolation.

Group and participative learning towards development of Professional Competencies:

Students take up course-based group projects, discuss ideas and

develop ways to solve identified problems for specific applications, develop prototypes for further recognition and incentivization. Students discuss topics on emerging trends, innovative business ideas, prepare technical articles, business reports, present them at seminars/symposia. This promotes students' sensitivity towards the feelings of other team members in the group, help to develop listening skills, be open to ideas of others, and look for opportunities to work collaboratively and cooperatively, thus adding value to their profession and person, both, academically and socially.

All these methods ensure deeper involvement of students thereby enabling him a self-learner.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.geethanjaliinstitutions.com/engineering/agar/2.3.1.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Faculty at Geethanjali use appropriate ICT-enabled tools for effective teaching-learning and evaluation processes mentioned below:

ICT-enabled tools used for Teaching-Learning:

Our faculty is quite savvy with the use of ICT-enabled tools for teaching-learning practices, using smart boards, preparing relevant power point presentations and videos, augmenting student learning experiences. Real-time simulations and virtual lab exercises adopted by teachers help in demystifying complex concepts. Students and Faculty have unlimited access to the institutional Wi-Fi network and digital library, for protracted ICT-enabled teaching-learning.

Our teachers are also engaging students through virtual modes using several platforms such as Google Suite, GoToMeeting, Zoom and Cisco Webex. Guest lectures, Remedial classes, value added courses, internships, orientation/induction programs, and a few virtual industry visits are conducted online. All these have helped during the pandemic especially facilitating learners to learn at their own pace.

WhatsApp/Telegram groups, and email groups with Geethanjali's domain name have facilitated exchange of content between teachers and students.

Learners have been able to get an opportunity to work on live projects with other learners in and outside the college, interact with experts from other institutions/organizations.

Use of ICT in Evaluation has facilitated quicker assessment and feedback within a short duration of administering the tests/examinations.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.geethanjaliinstitutions.com/engineering/aqar/2.3.2.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

234

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Geethanjali meticulously plans and executes all academic, co-curricular and extra-curricular activities through a well-conceived and executed academic calendar.

The Academic calendar for each program is prepared by the Dean, Academics in consultation with HoDs, Controller of Examinations and Principal, circulated to all concerned and displayed on the website in addition to sharing on electronic media, after taking approval from academic council. Based on this, each department prepares a detailed academic schedule, listing academic activities to be

carried out during the semester.

The detailed academic calendar includes schedules of

- Midterm and end semester theory examinations
- Midterm and end semester laboratory examinations
- CRC (Class Review Committee) meetings
- Course Coordinator meetings
- Feedback on Teaching-Learning-Process
- Department faculty meetings
- Parent-Teacher Meetings
- Student mentoring
- Checking of student attendance registers by IQAC
- Course End Survey
- Industrial Visits
- Guest lectures
- Program Assessment Committee meetings

Faculty members acting as in-charges/ coordinators, carry out these academic activities which are monitored from time to time by Group heads/HoD/IQAC.

Over and above, schedule for remedial classes is given based on the needs.

At the end of each academic year an external academic and administrative audit is carried out and based on the recommendations given by the committee, suitable remedial actions are taken.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

368

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

71

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

4

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

509/7989

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Geethanjali has adopted a comprehensive EMS facilitated through IT integration, backed by state-of-the-art hardware/software systems. This has reformed the examination procedures and processes including the CIA.

As per the academic calendar, examination section issues notifications related to Midterm examinations, Semester end examinations through college website, WhatsApp groups and group mail.

The following operations pertaining to conduct of examinations are automated.

- Comprehensive student profile database
- Communicating to external examiners
- Student registrations for semester end (Regular & Supplementary) examinations
- Generation of hall tickets
- Student seating plan generation
- Barcoded answer booklet generation and printing with student photo and signature for end semester exams
- Attendance sheet generation
- Scanning, coding and decoding of answer booklets
- Digital evaluation facilitating remote evaluation for both CIE and SEE
- Result processing (with built-in Grafting and Moderation as per affiliating university guidelines)
- Publication of results
- Generation of

- Memorandum of marks with SGPA and intermittent CGPA up to the end of corresponding semester
- Consolidated memorandum of marks with SGPA and CGPA
- Provisional Certificate with student photo
- Transcripts
- Bonafide and conduct certificate
- Result analysis, branch wise, year wise, course wise and overall.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/aqar/2.5.3.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Geethanjali has taken adequate measures to communicate the Programme Outcomes (POs), Program specific outcomes (PSOs) and Course Outcomes (COs) for all the Programmes offered by the institution, to the teachers and students much before the commencement of the semester as detailed below:

- POs and PSOs of each program offered by the institution and the COs of each course of the program are explicitly mentioned in the book that contains "Academic Regulations, Program Structure and Detailed Syllabus", given to all faculty members and students.
- The same is uploaded on the college website "gcet.edu.in", department-wise in addition to keeping it in library.
- Students are made to understand the importance of POs during the induction program of the first year.
- Importance of COs are discussed with the students by concerned teachers teaching the course.
- COs of each course are also available in the course file maintained by the teachers which is also displayed on the institutional website.
- COs of each lab course are also given in the lab manual/student workbook, in addition to displaying in the corresponding lab.
- POs are also displayed in classrooms, corridors, department library and faculty rooms.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.geethanjaliinstitutions.com/engineering/aqar/2.6.1.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Geethanjali follows all the norms of the Statutory Regulatory Authorities in evaluating/measuring the attainment of both Program Outcomes (POs) and Course Outcomes (COs):

Procedure for measuring attainment of COs:

COs attainment are computed by considering the marks obtained by the students in mid-term examinations, Assignments/Tutorials, Semester End Examinations (SEE) and through surveys.

- 75% of weightage is given for the Direct component and
- 25% of weightage for the Indirect component that includes:
 - Course Review Committee Feedback (10%)
 - TLP feedback (10%) and
 - Course End Survey (5%).
- In the Direct component, 60% of weightage is given for the Semester End Examination and 40% of weightage for Continuous Internal Evaluation that includes 20% for Mid-term Subjective, 10% for Mid-term Objective, and 10% for Assignments and Tutorials.

Procedure for measuring the attainments of POs and PSOs:

- 75% of weightage is given for the Direct attainment of that PO/PSO obtained in terms of Levels 1, 2 and 3, which is the weighted average of all the COs related to that PO/PSO and
- 25% of weightage for Indirect measurement includes:
 - Exit feedback on POs/ PSOs (10%)
 - Alumni Survey on POs/ PSOs (10%) and
 - Co-curricular and Extra-curricular activities (5%).

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/agar/2.6.2.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

874

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.geethanjaliinstitutions.com/engineering/agar/2.6.3.1.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.geethanjaliinstitutions.com/engineering/agar/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Geethanjali strongly believes that research is an important and integral part of any scholarly activity of an HEI. Apart from facilitating and developing creativity, innovation, analytical thinking and problem-solving capabilities among students and faculty, the outcome adds new knowledge and strengthens the economic

status of the Nation. Therefore, the institution has progressively updated its research facilities and has been recognized as Scientific and Industrial Research Organization (SIRO) by the Directorate of Scientific and Industrial Research (DSIR) since 2011.

Institute has established research labs in the areas of Data Analytics and Security, IoT, and Robotics in collaboration with IBM, Redpine, C-DAC, SmartBridge respectively. ANSYS, STADDPRO, SOFTX, Vx works, Cadence, SIMSCAPE, MASM and Xilinx software, Metal-Matrix Composites/Micro-image capture and analysis, PCB-fabrication etc. are available for students and faculty.

Geethanjali has a well-defined research-policy. Institute established research committee, comprising internal members and external experts from industrial/research organisations, reviews on-going research, identifies potential areas and plans accordingly. Encourages students to take up creative and innovative projects, supports financially.

Faculty are encouraged to pursue PhD by giving study/sabbatical leave, seed money, incentives for publications in journals and attending/organizing conferences.

Institute has collaborated with premier institutes towards strengthening research and developmental activity.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.geethanjaliinstitutions.com/engineering/research.html
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.5225

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

4.198

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

3

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/agar/3.2.2.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

5

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.drdo.gov.in/headquarter-directorates/contact-us/extramural-research-intellectual-property-rights-er-ipr
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Geethanjali's conviction is that educational institutions are mirrors of future society. The foremost goal of education is to nurture people who are creative and innovative in providing solutions to technical and societal problems.

Towards this motive, we have established an incubation Centre in 2016 working as per the guidelines of Institute Innovation Council (IIC) of the MoE, which has been facilitating creativity and innovation in students, faculty and others through interactive sessions, inviting academicians/researchers/Entrepreneurs/Industry experts. College also has registered with MSME, GoI.

Ecosystem for innovation, creation and transfer of knowledge is addressed through incubation centre, which works in tandem with R&D and Entrepreneurship Development cells of the college.

Geethanjali has adopted the National Innovation and Startup policy (NISIP) encouraging and nourishing innovation and entrepreneurial abilities, inviting ideas from students, faculty and others through a dedicated webpage.

Ideas received are reviewed by a committee comprising senior professors and seed money is sanctioned to selected projects, resulting in Patents, are financially supported by college.

With the support of Geethanjali's incubation centre, one start-up is registered with the Ministry of Corporate Affairs, GoI during the academic year 2021-22.

College has twenty-six MoUs with various organizations to strengthen innovation/entrepreneurship activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gcet-incubation.web.app/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

23

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards	
3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	A. All of the above
File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File
3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year	
3.4.2.1 - Number of PhD students registered during the year	
0	
File Description	Documents
URL to the research page on HEI website	https://www.geethanjaliinstitutions.com/engineering/research.html
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File
3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year	
0.5625	

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

7

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://link.springer.com/chapter/10.1007/978-981-19-1111-8_1

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

15

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

09

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**2.97**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**Rs 246000**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Geethanjali promotes regular engagement of faculty, students and staff with neighbourhood community through various activities. In the academic year 2021-22, various extension activities conducted by National Service Scheme (NSS) and Environmental club, towards the following;

- Blood Donation and health camps.

- Tree plantation
- Faculty and students visit nearby government schools and old age homes

In addition, college and two faculty members are contributing towards salary of two teachers in a school of its neighbourhood.

Impact and Sensitization

We generate empathy and compassion in students to help people in need and distress by participating in blood donation and health camps.

Facilitated the villagers in checking their BP, diabetes, thyroid levels

Sensitised villagers for taking precautionary measures against omicron variant of covid-19 and the dire necessity of vaccinating themselves with a booster dose towards the same.

Created not only awareness, but also enabled them in participating and contributing towards environmental protection for sustainable development.

The skills developed in the students through the above activities include social, communication, management, leadership, analytical, and perceptual skills leading to students' holistic development.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/15755PVGb6KnLlUJ4TE-bVAAXZRMTGoK8?usp=share_link

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

0

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

15

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

775

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1043

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

22

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Institution's ambience is highly conducive for learning and has well-furnished classrooms (53), tutorial rooms (14) fully equipped laboratories (79) and air-conditioned seminar halls (04), auditorium (01) with LCD Projectors (68, added 20 in 2021-22), Wi-Fi connectivity and public address system. Institution has established research laboratories with industrial collaboration and Centres of Excellence in specific areas and has 2386 Computers, with 1Gbps internet connectivity.

Facilities in the institution include Lifts, Ramps, wheel chairs for differently abled, first aid boxes, in-house Dispensary with a nurse, ambulance with Oxygen cylinder and stretcher. For emergency, institution has a linkage with a nearby hospital.

Institution has adequate power backup with two diesel generators of 200 KVA and 380 KVA and UPS facilities with a capacity of 500 KVA.

Fire extinguishers are placed in all the buildings. Potable drinking water is made available in the campus through an RO plant.

Institution has a fleet of 40 busses plying from different locations of the city. Institution has a good hygienic canteen.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/agar/4.1.1.pdf

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Geethanjali's conviction is, the college years are crucial in students' cognitive, emotional, moral, and social development. Their involvement with peers in various extracurricular activities, sports and cultural activities, influence development of their cognitive skills, identity, self-concept, self-esteem, values, attitudes, behavior patterns, and personality. Towards this, institution provided adequate facilities and conducts a number of events.

Notable among them are: Graduation Day, Traditional Day, Orientation Day and other solemn occasions. Active participation of students in various events, facilitate development of Creativity, Innovative thinking, Leadership, and Emotional Quotient in them. The college has six blocks comprising various facilities.

Block-I has a 250-seater, Air-conditioned Seminar Hall, used for practicing singing, skits, dancing etc.

Open gallery of Block II, used for smaller events.

In Block III, the 100-seat Seminar Hall facilitates conduct of various events.

Block-IV is furnished with a 400-seat Air-conditioned Seminar Hall, used for performing dance, musical programs, etc.

The ground in front of Block-V houses Basketball Court and to its right hosts cricket net practice sessions.

Indoor games are facilitated in the games room of Block V.

Yoga sessions are conducted on the lawns of the Open Auditorium and Seminar Halls.

Institution allocates one/two-hour time slots in Timetable for extra-curricular activities.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

59

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

903.755

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Institution has a spacious central library in an independent building with an area of 1064 Sqm. spread over two floors. Ground Floor is accommodating OPAC, periodicals, News Papers, digital library, thesis, reprography and special reference. First floor is accommodating circulation, references, periodical back volumes, computer centre etc. It is having a modern infrastructure with a seating capacity of 250 students. Central Library is automated with Integrated Library Management Software, Ez School version 10.0.9.22

and On Edu software used for circulation, procurement and OPAC. It has the collection of 6995 Titles and 40469 volumes of books and subscribed more than 12740 online journals of IEEE, K-HUB, DELNET, Knimbus remote access, Nlist, NDL and subscribed 208 Journals in print. Library is fully computerized with bar-coding system. Name of the ILMS software: Fully Automated Version Ez School Software and OnEdu Software.

The College has a Digital Library with 100 systems, connected to the college's intranet, Articles, e-lectures of faculty of IITs, NPTEL, Textbooks, videos, Britannica Encyclopaedia, books for preparing towards GATE, GRE etc. The Library has an Electronic Resource Centre which provides access to stores of electronic information of IEEE, DELNET and online open resource journals of Engineering, Applied Sciences and Management.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/4.2.1.pdf

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

27.745

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

10.72

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Institution considers that in the current information age no organization can survive without extensive use of IT. Towards this, the college has developed an IT policy encompassing all IT/IT enabled services used in the campus, ensuring smooth functioning with adequate security to all users connected to the campus network. Based on the laboratory and other requirements, every year institution allocates budget for updating its IT facilities for procurement of computer systems and other IT related equipment including software.

Every user in the campus is provided access to the campus network as well as internet.

68 LCD projectors have been installed in class rooms and labs with wi-fi/internet connectivity.

All students and faculty are given email accounts with college domain name through GSuite. The institution has installed two firewalls in order to protect all its internal systems from cyber-attacks. The institution also installed CISCO switches for monitoring traffic in the campus network.

Budget utilized for the academic year 2021-22 is Rs.122.13 lakhs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/4.3.1.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4057	2368

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus **A. 250 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: C. Any two of the above
Facilities available for e-content development
Media Centre
Audio-Visual Centre
Lecture Capturing System (LCS)
Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/agar/4.3.4.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

2390.76

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

Registrar supervises Institution's Maintenance Cell, other members include Administrative officer, maintenance in-charge, Head, EEE department, and two senior faculty, one each from Civil and Mechanical Engineering departments, ensures proper functioning of all civil, electrical, water, sewage, environment, and other facilities through frequent inspections and need-based maintenance works.

A central complaint register is maintained; the cell attends to the complaints on a priority basis. A vast majority of minor and major repairs are carried out internally, while some major repairs are outsourced. Members of the cell meet based on the need, review the requirements, chalk out further action to be taken. It also arranges conduct of energy audit. Gardeners and janitors conduct regular cleaning of the campus premises and restrooms twice a day.

Each laboratory maintains a stock register with complete details of lab equipment including license details of software, if any. Appointed qualified technical staff for each lab, who perform minor repairs of equipment, ensuring their orderly performance. Any major

repair of equipment beyond the scope of technical staff is outsourced. Each lab occupation is a maximum of 70-80% and remaining time is used for regular maintenance.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2619

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

142

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.geethanjaliinstitutions.com/engineering/aqar/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

678

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
678	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
5.2.2 - Number of outgoing students progressing to higher education	
72	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
95	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year	
0	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Geethanjali has a Student Council (SC) comprising nine members. In addition, various bodies constituted by institution have student representatives. The SC under the aegis of Dean, students affairs plans and organizes various co-curricular and extra-curricular activities of the institution in association with the college academic committee. Geethanjali celebrates regional, national and international commemoration days and festivals wherein, SC members are involved in the smooth conduct of the events.

SC contributes to the enhancement of the learning experiences of students through various student clubs. It also facilitates organisation of various technical activities through professional bodies and community service through NSS.

Anti-ragging committee, grievance redressal cell, women protection cell, safety against Substance abuse, Entrepreneurship development cell, IQAC, BoS and Class review committee etc also have Student representatives.

Overall, the Students Council is a dynamic body, meets often and contributes a great deal in the development of students and institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/student-council.html

5.3.3 - Number of sports and cultural events / competitions organised by the institution

56

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

- Boards of Studies of various departments have Alumni as members. They contribute towards review and redesign of curriculum meeting industry and societal requirements.
- They also give advice on the development of laboratories, involving experiments which use modern tools for improved employability of students.
- Alumni working in various industries connect the placement cell, industry-institute interaction cell of the institution to their respective organisation, thereby, facilitating placements, industrial visits, and internships for students and resource persons for student and faculty development programs.
- Alumni members are also invited to deliver technical talks and provide career guidance to students.
- Alumni working in various R & D establishments connect the faculty of the college to their professional seniors, facilitating testing requirements of, as part of research carried out by faculty.
- Alumni, who pursued higher education abroad, help the students in securing admissions in the universities, where they have studied, preparation of statement of purpose, research projects and funds available with various professors in universities.

Alumni of the college have donated certain resources/facilities to college for students use.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/alumni.html

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The vision of the institution envisages the students graduating from the institution contributing to national development and to the well being of global community. The mission of the institution is to produce technocrats equipped with sound knowledge in basic sciences and technical skills, leading to realization of the vision.

Realization of the vision of the institution calls for good governance, which requires establishment of structures and processes, designed to ensure accountability, transparency, responsiveness, equity, empowerment, and participation by all concerned. In line with these needs, and as per the guidelines of UGC for autonomous institutions, four statutory committees are constituted. In addition, there are several non-statutory committees to assist in the overall governance of the institution. Principal is vested with the overall responsibility to plan, organize, and control the academic activities. Organization of the institution is structured into departments, and groups/divisions within the departments.

Various committees are formed at the institutional and department levels, comprising the faculty at all levels assisting the Principal, Deans and Department Heads in the performance of their functions. The committees are empowered to recommend actions on various issues referred to them. Thus, participation in decision

making goes right down to the hierarchy.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.geethanjaliinstitutions.com/engineering/about-geethanjali.html

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Geethanjali has a well laid practice of decentralization and participative management involving different statutory and non-statutory bodies/councils, committees and cells, namely, Academic Council, Board of Studies, Finance Committee, Institute's planning and monitoring Board, Admissions Committee, Program Assessment Committee (PAC), College Academic Committee, Research Committee, IQAC Cell etc. Roles and responsibilities of each of the above are defined explicitly. A case study showcasing the practice of decentralization and participative management in the development of Course Outcomes (COs), Course delivery methodology, Course attainments and Program Assessment is mentioned below:

PAC comprises Department Head as chairperson and Senior faculty members, and monitors attainment of COs, Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Program Coordinator (PC): In association with senior faculty, oversees all the courses offered by the department.

Course Coordinators (CC): Discusses the course and its relationship to other courses within the program with PC.

PAC meets at least twice in a year, reviews attainment of COs, POs and PSOs and recommends appropriate action to BoS/PC/CC.

All the above clearly indicate decentralization at the department, involving participation of faculty members in administering, monitoring student learning, apart from evaluation and assessment of COs, POs and PSOs.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/coc.html

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Geethanjali has prepared its perspective strategic plan for 2021-26 after taking expectations as inputs from all its stake holders and carrying out SWOC analysis of departments and the institution. The strategic plan document has short-term, medium-term and long-term goals with respect to the seven aspects mentioned below, wherein, metrics are identified and fixed time lines accordingly, for each of them.

1. Improvement of Quality Teaching Learning Process adopting Problem/Project Based Learning (PBL)
 - Expansion of Incubation Centre /Product Development/Entrepreneurship
 - Expansion of Academic and Research infrastructure (For improved Learning, R & D, and Consultancy)
 - Expansion of Library and information centre
1. Quality student placements both in terms of numbers and salary package
2. Increasing number of PG Programs and initiating Twinning Programs
3. Improving Research, Development and Consultancy
4. Establishment of Faculty Development Center
5. Improving feedback and corrective measures through Quality Assurance System
6. Achieving ABET Accreditation status

Implementation of the plan has been ensured through regular monitoring at various levels and taking appropriate action as per the needs. This clearly shows the articulation of strategic plan and its implementation.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/6.2.1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Institute's organogram depicts its organizational structure.

Principal is Head of the Institution. Institute is organized into Academic & Administrative divisions.

The Governing Body, guides Institute in the development of the Vision, Mission, and Quality policy, gives approval for the same and monitors its performance.

Other statutory bodies of the college are: Academic Council (AC), Boards of Studies, and Finance Committee.

Non-statutory committees/Boards of the institution oversee functioning of Library, Examinations, Grievance Redressal etc. In addition, Planning & Monitoring Board constituted, assists Principal in administration.

Dean Academics, prepares Academic schedule detailing various activities, monitors progress of class work, directs and supervises Curricular and Co-Curricular activities.

Registrar along with Dean Academics, assists Principal in administering and leading the college within the policy framework.

Controller, Examinations

Coordinates with external examiners, affiliating university officials and with all concerned in the institution, ensuring smooth conduct of all examinations and evaluation, including timely declaration of results.

Dean, RD&C

Formulates research and consultancy policies of the institute, reviews research proposals submitted and publications by faculty. Identifies areas/organisations for collaboration and rendering consultancy services.

HoD

Administers smooth conduct of department's academic and administrative activities.

Along with other BoS members, develops curricula for all programs administered by the department.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.geethanjaliinstitutions.com/engineering/about-geethanjali.html
Upload any additional information	View File
Paste link for additional Information	http://www.geethanjaliinstitutions.com/engineering/about-geethanjali.html

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The following schemes/benefits are offered by the institution, for the welfare and career development of the teaching and Non-teaching staff.

- EPF contribution by Management to all the eligible staff members
- Free Medical facility at the institute
- Free transport to administrative staff.
- Vehicles, and bus passes to Messengers.
- Public transport bus passes to all drivers.
- Special allowances to faculty deputed to Examination department.
- Need Based financial assistance to staff
- Cell-Phones and Laptops to HODs for better connectivity and networking
- CLs, HPLs, CCL, Medical Leave and Examination Leaves as per their eligibility.
- Paid Maternity Leave for female employees.
- Special leave to staff on the occasion of their marriage.
- Health Awareness camps within campus and Free Medical Check-ups.
- Fee concession to children of staff members who are studying in GCET.
- Sponsorship to faculty attending FDPs, Conferences etc.
- Canteen facility for students and staff.
- Uniforms, washing allowance for Attendants, Ayahs and Drivers.
- Paid leave @ one day/Week as incentive to faculty pursuing Ph.D.
- ESI benefit to all eligible employees.
- Salary advance for staff in times of need.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/6.3.1.pdf

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

55

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

26

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

569

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Institute's internal audit committee, inspects the books of account and records maintained by the finance department, evaluates internal control system, particularly, in respect of purchases, scholarships etc. The audit report is submitted to Principal/Chairman and subsequently Principal directs departments to take follow up action for closing the deficiencies and making changes in systems and

procedures as called for.

Institution also arranges to conduct external financial audit every year by an external auditing agency, a registered financial auditing company. The auditors verify the financial statements and books of accounts to certify the true financial position and also validates the operating system prevalent is fair and just, and is in tune with the prevailing processes elsewhere. The auditors also employ internal check by verifying arithmetical accuracy of account books. Except for transactions involving petty amounts, all other payments are made through account payee to maintain transparency. The audit observations submitted to the management by the audit company are examined carefully and corrective actions taken, if any, wherever required. At the end of every financial year, IT returns are filed to income tax department. These include, income and expenditure statements audited by a chartered accountant.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/6.4.1.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The policy of the institution with regard to mobilization of funds is as follows:

The main source of funds for the institution is the Tuition and other miscellaneous fee collected from students. Other sources of

funds are grants received from Government bodies, namely, AICTE, JNTUH, DST etc. for organizing faculty development programs, seminars, workshops, modernization of labs/workshops and execution of projects.

Accounts section of the institution prepares, month-wise cash flow statements, two months in advance. The cash outflow statement is based on institutional budget estimates and additional inputs from departments for unanticipated major expenses, if any, and contingency expenses. The cash inflow statement is prepared based on the schedules of students' admissions, and examinations. Any gap between realised income and expenses is bridged through loans as per the policy guidelines laid down.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/agar/6.4.3.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

1. Structuring of department for improved scholarly activities and ease of administration through decentralization.

Based on specializations, each department is structured into four/five groups, each led by a professor with 2/3 experienced faculty identified as lead faculty, act as Mentors for others in the group, interacting closely, guiding them in their academic and research pursuits, review and design/redesign courses, value added courses, discuss possible research problems pertaining to the specialization, and also enabling development of second rung leadership.

2. A systematic process for the holistic development of students:

College has established following centres for mentoring students to

identify their potential and accordingly guides them in the realization of their aspirations.

Centre for Academic and Career Guidance:

Through personalized mentoring, it has been facilitating students with psychometric tests, thus, identifying their potential, realizing their career priorities and goals; providing them with skills needed to help manage their career.

Centre for Soft Skills Development: Facilitates students develop Communication skills, Positive attitude, Ethics and Integrity, Resilience, Adaptability etc.

Incubation Centre: Facilitates students with design, development and implementation of innovative projects, enabling them acquire design and analytical thinking skills.

Training and Placements Cell: Facilitates training for placements, enabling students get placed through campus recruitment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/aqar/6.5.1.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC periodically reviews Teaching-Learning Process (TLP) for attaining Learning Outcomes:

Academic schedule detailing curricular, Co/extra-curricular activities is prepared much before commencement of the semester, timetables are prepared, and faculty prepare course files, teaching plan with correlation to Course Outcomes (COs), Program Outcome (POs) and Program Specific Outcome (PSOs) as per specified format.

Student feedback on TLP is taken twice in a semester, one immediately after three weeks of instruction, final in the penultimate week of the semester, which is reviewed by HoD, Dean, Academics and Principal and communicated to faculty. Faculty with <70% feedback is counselled for improvement.

In addition, course coordinator meetings and class review meetings are conducted ensuring a certain degree of quality TLP across all sections for attaining outcomes.

At the end of the semester department's Program Assessment Committee reviews attainment of COs, POs and PSOs and recommends appropriate action.

College Academic Committee periodically evaluates effectiveness of TLP, pedagogical practices and processes outlined by IQAC.

IQAC also administers external academic and administrative audit through a peer team comprising senior academicians of reputed institutions, which visits all departments, conducts audit for one complete day and submits its report. Departments take appropriate action on the findings of the report.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.geethanjaliinstitutions.com/engineering/agar/6.5.2.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.geethanjaliinstitutions.com/engineering/aqar/IQAC_ANNUAL_REPORT_2021-22.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Measures initiated supporting gender equity include support from

Curricula: "Gender Sensitization", offered as mandatory course, organized as "interactive sessions", spreading entire semester to all students. Students of both genders participate in various components of curricula, namely, laboratory work, internships, mini and major projects, technical and project seminar, work cooperatively and collaboratively, understand behavioural nuances of working with opposite gender, including case studies, involving necessity of sharing domestic work.

Extracurricular activities:

Students form groups involving both genders, participate in various extracurricular activities.

Non-academic bodies:

Institute's IEEE Women in Engineering affinity group conducted two awareness programs aiming at performing and practicing 'Gender equity and sensitization'.

Women Protection Cell periodically meets and reviews complaints received from female faculty and students, if any, recommends disciplinary action, It also creates awareness on preventive measures conducting workshops and seminars sensitizing all concerned.

Women Safety and Security: Employed women security personnel to support female faculty, staff and students. Installed CCTV surveillance at prominent locations. Women are provided with separate waiting rooms and telephone numbers of SHE-TEAMS of Hyderabad police, suggesting them to take necessary help as and when needed.

More than 65% of administrative heads of departments/units/cells are women faculty

All the above are facilitating gender equity.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.geethanjaliinstitutions.com/engineering/agar/7.1.1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Institute's operations result in the generation of waste, which are broadly classified as:

- Solid Waste
- Liquid Waste
- E-Waste

There is no generation of Hazardous chemicals and radioactive waste. Sanitary Incinerators are installed inside the campus to promote hygiene.

Solid Waste, generated in the institution include rubber tyres, metal scrap, paper, old newspapers, used papers and journal files. These are segregated, stored separately and given away to scrap dealers/vendors/recyclers. Apart from dry solid waste, food waste from canteen is collected by authorized agents for use as cattle feed. Further, colour coded dust bins are placed in institution's premises to collect solid waste.

Liquid Waste, generated in the institution includes laboratory, and canteen effluent wastes, are drained to a pit in distant open land.

- includes, electronic waste, created when an electronic product is discarded after the end of its useful life, which include obsolete electronic devices, namely, computer systems, servers, monitors, compact discs, printers, scanners, copiers, calculators, fax machines, battery cells etc. are handed over to an agency.

Waste recycling old newspapers, used papers, journal files are collected by an agency, which in turn recycles the waste paper for further use.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

<p>7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Institution's conviction is, the following events, organized through student clubs, and other units facilitate inclusive environment paving way for sustainable development.

Fine arts club conducts music competitions, namely, western, classical, skits and dramas with themes such as mythological, historical and social, in different languages. Traditional day

celebrated, representing and appreciating India's diverse culture.

Photography club's exhibition, depicting nature, socioeconomic divide between rural/urban India, develops emotional quotient and compassion leading to self-actualization.

Environmental club's events promote environmental protection.

Curricula: Environmental science, Human Values and Professional Ethics, of curriculum help students in understanding importance of peace, harmony and prosperity for sustainable development.

NSS unit celebrates National Festivals, Independence Day, Republic Day and commemoration days of eminent personalities, conducting games/sports, debates, essay writing competitions, signifying their importance. Organizes Blood Donation/health-awareness/Dental camps, community service involving students, faculty, and staff.

Orientation Program, College-Day, Graduation-Day, Sports/Cultural and College-Days.

Through the above activities, students are nurtured, inculcating empathy-oriented compassion, cultural, regional, religious, linguistic and communal tolerance, needed in a highly pluralistic society with widespread socioeconomic diversities, facilitate in strengthening unity, developing a spirit of consensus and cooperation through dialogue and esprit de corps for a harmonious, peaceful, prosperous and inclusive society, thereby paving way for sustainable development.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Institution involves students in the following activities pertaining to strengthening core values, making them aware of their rights, duties and responsibilities helping them becoming responsible citizens.

Values: Faculty participate in AICTE's Universal Human Values programs and teach courses on "Human Values and Professional Ethics" and "Indian Ethos" delivered through YouTube videos, real life examples, case studies and anecdotes giving various perspectives on situations in life, creating an everlasting impression on student's mind, touching student's heart, developing integrity, competence and building a stronger character.

Institution offers a mandatory audit course on Indian Constitution, which deals with fundamental rights, duties and responsibilities of citizens. Also organizes programs stressing that rights are always associated with responsibilities, mutually linked to one another.

Organizes formal and informal, co/extra-curricular activities facilitating students assume higher responsibility, motivating them with goals oriented towards societal development.

Student mentoring, a well-designed and planned activity, focusses on building student's character, thereby making student a responsible citizen.

All the above are facilitating holistic development of students towards a more balanced life, profession and happiness, encouraging them to interact with personalities from various walks of life, enabling them becoming "Good Global Citizens", promoting peace and harmony in society, for mankind's sustainable development.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other

A. All of the above

staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Among the days/festivals celebrated, organizing various programs, some of them are indicated below:

World Environmental Day/Water Day: Enlightening students towards environmental sustainability by protecting Nature through "Tree Plantations", "Save Water and Energy" campaign. Conducts Debates, Essay Writing, Group Discussions, Poster Presentation and Slogan Writing Competitions.

International Women's Day: Sensitizing students towards "Gender equality" through video presentations; inspiring them through speeches of successful women from various fields.

International Yoga Day: Inviting yoga instructors, guiding participants to practice asanas, leading healthy and joyful life.

World Photography Day: Photography club organizes photo exhibition, depicting nature, socioeconomic divide between rural/urban India, developing emotional-quotient and compassion, leading to self-actualization, articulating Maslow's motivation theory.

Independence Day and Republic Day, professing sacrifices of freedom fighters, instilling and igniting spirit of patriotism in students.

National Science Day, conducting science exhibition, enabling students execute projects; thereby inculcating scientific capabilities.

National Mathematics Day, conducting events promoting analytical/logical reasoning, through quizzes, Sudoku, and Rubik's Cube competitions.

Teacher's Day, expressing gratitude to Teachers' contribution towards cause of education.

Engineer's Day, conducting competitions, facilitating students exhibit Engineering Skills through executed Projects.

Ganesh Charhurthi, Dussehra, Sankranthi (Traditional Day), Cultural Day, Sports Day and College Day with gaiety, making students appreciate Indian ethos and culture.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Title of the practice-I

Reduced class strength for improved student learning and employability

Title of the practice-II

Mentoring - supporting students' professional and personal development

The above Best Practices for the AY:2021-22 are provided on Institutional website; The weblink is given below:

<https://www.geethanjaliinstitutions.com/engineering/aqar/7.2.1.pdf>

File Description	Documents
Best practices in the Institutional website	https://www.geethanjaliinstitutions.com/engineering/aqar/iqac-bp2021-22.pdf
Any other relevant information	https://www.geethanjaliinstitutions.com/engineering/aqar/7.2.1.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The first Program Educational Objective of our programs is gainful employment or pursuit of higher education. Keeping this in view, institution has taken several initiatives, in a structured manner, identifying highly advanced learners and others to impart required skills, particularly, involved programming skills from second year onwards.

Tests on programming skills are conducted and identified about 130-140 students across engineering programs, who are given rigorous training on "advanced programming skills" enabling a good number of these get selected in well-paying organizations with a compensation package of 8-10 lakhs per annum.

Refresher course on "Programming Skills" is given for the remaining 800 students of engineering discipline, in addition to short course on "Database Systems involving PL/SQL". All Undergraduate students are given training on "Aptitude Skills", comprising, Quantitative, Logical and Verbal ability and soft skills. Over and above, mock interviews are conducted for all students.

The impact of advanced training program is visible with 108 students placed in product-based companies with an average package of 6.2 lakhs rupees per annum in the graduated batch of 2022.

Impact of other training is visible with another 678 students placed and the total number offers stood at 1506 for the same batch.

File Description	Documents
Appropriate link in the institutional website	https://www.geethanjaliinstitutions.com/engineering/aqar/7.3.1.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Institutional branding attracting better quality students
- Developing leadership across departments/units for institutional sustainability
- Improving institutional Governance using LMS/ERP software
- Improving neighboring community through programs including informal education.
- Promoting more activities towards environmental protection for sustainable development.
- Encouraging and facilitating creativity/innovation in students employing Problem/Project Based Learning (PBL), involving faculty to adopt PBL, case study based TLP, development of prototypes and other pedagogical practices
- Expansion of
 - Incubation Centre for Product Development and Entrepreneurship
 - Academic and Research infrastructure
- Providing more in-house R&D funds to promote multi-disciplinary research culture
- Quality student placements in terms of numbers and companies with median salary of 6-8 lakhs/year.
 - Expansion of "Center for Training for Placement, Internships and Career Development"
- Improve Industry-Institute-Interaction using contacts of GB members, Resource persons, faculty and Alumni
- Increasing number and quality of co-curricular/extra-curricular activities through Student Clubs, Professional Bodies and Technical Associations
- Improving Alumni Engagement/Interaction
- Revising institution's Vision and Mission aligning with the aforesaid objectives;
- Continuously innovate, introduce new courses curriculum and/or offer Value Added Courses catering to needs of stakeholders
- Provide additional canteen space
- Creating additional Lecture Rooms
- Implementing NAAC second-cycle peer-team's recommendations as well as suggestions of Academic and Administrative Audit Team.

