



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		Gnanamani College of Technology
• Name of the Head of the institution	Dr.T.K.Kannan	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone no./Alternate phone no.	7598293888	
• Mobile no	9944492300	
• Registered e-mail	principal@gct.org.in	
• Alternate e-mail	info@gct.org.in	
• Address	NH-7, A.K.SAMUTHIRAM, PACHAL POST, NAMAKKAL	
• City/Town	NAMAKKAL	
• State/UT	Tamil nadu	
• Pin Code	637018	
2.Institutional status		
• Affiliated /Constituent	Affiliated	
• Type of Institution	Co-education	
• Location	Rural	

• Financial Status	Self-financing				
• Name of the Affiliating University	Anna University				
• Name of the IQAC Coordinator	Dr.R.C.Karpagalakshmi				
• Phone No.	9442895577				
• Alternate phone No.	7598293999				
• Mobile	7598293999				
• IQAC e-mail address	iqac@gct.org.in				
• Alternate Email address	info@gct.org.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	http://gct.org.in/gct_new/AQAR/AQAR%20_21-22.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://gct.org.in/gct_new/AQAR%20_22-23/extended/ACalendar/Calandar.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.75	2015	14/09/2015	14/09/2020
Cycle 2	A	3.05	2022	22/02/2022	21/02/2027
6.Date of Establishment of IQAC			07/08/2014		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
CSE	Digital India Mission Scheme	Common service centre Academy	2022	Rs.18,300	
8.Whether composition of IQAC as per latest			Yes		

NAAC guidelines		
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File	
9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been 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.Whether IQAC received funding from any of the 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)		
<ul style="list-style-type: none"> • Autonomous Status for a period of ten years from 2023-2024 to 2032-2033. • 4-star rating in Institution's Innovation Council. • Grand inauguration of Anti-Human Trafficking Club. 		
<ul style="list-style-type: none"> • Renewal of National Cyber Defence Resource center • Orientation Programme on Outcome Based Education • Awareness Programme on Opportunities and Challenges in Higher Education 		
<ul style="list-style-type: none"> • NSS /YRC cell organized 26 Social Responsibility and Awareness programs for the benefit of rural and under privileged people. • EDC organized 11 Activities related to entrepreneurship development. • More than 110 programmes have been organized by all the departments to enhance the students' technical skills. 		
Faculty Activities and Achievements: <ul style="list-style-type: none"> • Total Number of Faculty Participations 397 and Achievements 30. • Faculty members published 132 Papers in Reputed Journals • Patent publication 3 and book publication 30 		
Student Activities and Achievements: <ul style="list-style-type: none"> • Number of Students Participations in various technical events: 2571 • Number of Students Achievements: 74 		

12. Plan of action chalked out by the IQAC in 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
Quality Enhancement	<ul style="list-style-type: none"> • Autonomous Status for a period of ten years from 2023-2024 to 2032-2033. • 4-star rating in Institution's Innovation Council.
Technical Enhancement programmes	<ul style="list-style-type: none"> • Orientation Programme on Outcome Based Education • Awareness Programme on Opportunities and Challenges in Higher Education • More than 110 programmes have been organized by all the departments to enhance the students' technical skills.
IIC Activities	<ul style="list-style-type: none"> • Workshop on Business Model Canvas. • IIC organized around 40 different activities.
NSS and Social Welfare Activities	<ul style="list-style-type: none"> • Awareness rally on Swachhta pakhwada. • NSS /YRC cell organized 26 Social Responsibility and Awareness programs for the benefit of rural and under privileged people.
EDC Activities	<ul style="list-style-type: none"> • EDC organized 11 Activities related to entrepreneurship development. • Business Plan Contest was conducted.
CoE / Technical center	<ul style="list-style-type: none"> • Renewal of National Cyber Defence Resource center
Faculty Activities and Achievements	<ul style="list-style-type: none"> • Total Number of Faculty Participations 397 and Achievements 30. • Faculty members published 132 Papers in Reputed Journals • Patent publication 3 and book publication 30

<p align="center">Student Activities and Achievements</p>	<p align="center">• Number of Students Participations in various technical events: 2571 • Number of Students Achievements: 74</p>				
<p>13. Whether the AQAR was placed before statutory body?</p>	<p align="center">Yes</p>				
<p>• Name of the statutory body</p>					
<table border="1"> <thead> <tr> <th align="center">Name</th> <th align="center">Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td align="center">Governing Council</td> <td align="center">14/05/2022</td> </tr> </tbody> </table>	Name	Date of meeting(s)	Governing Council	14/05/2022	
Name	Date of meeting(s)				
Governing Council	14/05/2022				
<p>14. Whether institutional data submitted to AISHE</p>					
<table border="1"> <thead> <tr> <th align="center">Year</th> <th align="center">Date of Submission</th> </tr> </thead> <tbody> <tr> <td align="center">2022-2023</td> <td align="center">20/02/2024</td> </tr> </tbody> </table>	Year	Date of Submission	2022-2023	20/02/2024	
Year	Date of Submission				
2022-2023	20/02/2024				
<p>15. Multidisciplinary / interdisciplinary</p>					
<p>Our institution has the vision of setting a benchmark for the education providers in the field of Engineering and Technology and providing quality technical education that fosters the spirit of learning and research through an innovative synergistic model of education that promotes academic excellence, scientific pursuit, and professionalism. The institution is keen in promoting multidisciplinary approach among the student community thereby facilitating the young minds to solve day to day societal problems. Science Club has been actively undertaking lot of student activities. It develops the multidisciplinary approach among the young minds by applying the concepts of Science, Arts and Mathematics. The club plans events such as workshop, guest lecture, project expo, etc. at the beginning of every academic year. Being a non- autonomous institution, we follow the curricula and syllabi offered by the affiliating university viz. Anna University, Chennai. The university offers non-credit mandatory courses that emphasize general health, mind, history & culture, nation building, gender equality and industrial safety in the minds of students. The university offers credit courses on human values & ethics, environmental science and sustainability, internship and project work towards the attainment of a holistic and multidisciplinary education. The institution is undergoing the process of getting autonomous status. The institution has research centers and Centre</p>					

of Excellence like Centre for Cyber Security, Centre for Data Science, Centre for Electric Vehicle & Energy and center for Robotics. Since most of today challenges need solutions incorporating multidisciplinary research, we encourage students to take up projects in these centers based on their interest but employ the multidisciplinary approach through knowledge sharing with the fellow students. Many students presented their innovative ideas in Hackathons and MSME.

16.Academic bank of credits (ABC):

Our institution is going to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and university authorities. We encourage the students to learn and earn credits through the online modes in SWAYAM, NPTEL, etc. Many of our students have successfully completed such online courses. Our faculty members are also encouraged to register such courses which are considered as equivalent to FDPs. Some of our faculty members have successfully completed many MOOC courses in NPTEL and Swayam with good scores and ranks. The institution has been encouraging the faculty members to prepare the course material, assignments, quiz, etc. . By this way, the institution promotes digital learning and assessment.

17.Skill development:

The institution is imparting knowledge on recent technologies with a MoU between our institution and various industries. Through this initiative, students could get trained in recent technologies that facilitate them to become industry ready at the time of their graduation. Capacity building and soft skills oriented training are provided to the students. Industry supported Labs could expose the students in the recent technologies in all domains. Students will be trained in their first semester on activating productive language skills through Cambridge, an initiative of Tamil Nadu Government.

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

Our institution offers non-credit mandatory courses that emphasize on Constitution of India and its culture, nation building. The institution emphasizes the bilingual mode of teaching by the faculty members especially to teach Tamil medium students from rural background and pay individual attention during tutorial sessions and performance enhancement classes. The institution conducts number of awareness programmes to the students on environment, sustainability, energy conservation, ancient knowledge, arts, culture and tradition of our country through the clubs such as Tamil Mandram and Fine

Arts.

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

Our institution has been following OBE for teaching, learning, evaluation and continuous improvement. Our UG programmes viz. B.E. Computer Science and Engineering, B.E. Electronics and Communication Engineering, , B.E. Electrical and Electronics Engineering and B.E. Mechanical Engineering are accredited by NBA. Academic calendar is prepared before the commencement of classwork, in every semester. Faculty members prepare a lesson plan keeping in view of the syllabi offered by the university and the expected course outcomes (COs). COs are suitably framed by the course coordinator for each course, based on the syllabus and objectives of the course. COs are mapped with POs and PSOs. Questions in the internal assessment and assignments are framed such that the assessment of the entire COs is properly made. Based on the performance of students and target fixed for attainment of each CO, assessment of attainment of COs is computed. If the target is not achieved, then suitable corrective action such as changing the pattern of delivery of courses and assessment will be taken by the faculty members. Similarly, assessment is made based on the performance of students in the external end semester examination. Then the assessment of attainment of POs and PSOs is made through all the courses as well as activities through mini projects, case studies, seminars and workshops, etc. The Advisory and Assessment Committee scrutinize this process and suggest suitable measures periodically such as fixing revised targets for POs, PSOs and conducting more student centric activities, thereby facilitating continuous improvement of the programme offered by each department. It is found each program offered by our institution is found to progress successfully through this closed loop monitoring.

20.Distance education/online education:

The institution supports online learning and assessment through Google Classrooms and Zoom apart from traditional teaching. They could share the material with the students for enhanced learning. The institution also has a online platform for sharing learning resources, performance assessment and analysis of students. The faculty members and students utilize this platform. The institution is also planning to offer certificate courses online for professionals and value added course for our students in the recent areas to meet the future challenges of the society.

Extended Profile

1.Programme

1.1	663
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	1400
Number of students during the year	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2	1043
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	624
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	294
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	243
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	68
4.2 Total expenditure excluding salary during the year (INR in lakhs)	627.06
4.3 Total number of computers on campus for academic purposes	793
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p>The college is affiliated to Anna University, Chennai. Detailed curriculum and academic schedule of the University are followed. IQAC meetings (Internal Quality Assurance Cell) are conducted in each semester, in which the steps for effective implementation of the curriculum are planned and the gap if any in the curriculum is identified and communicated to the university. The gap is filled by conducting various seminars, workshops etc.</p> <p>The institution calendar is framed with academic schedule of to the Anna University Curriculum and IQAC. Then the department wise calendar is framed based on the institution calendar. The time table is prepared for all the classes and the allocation of subjects for all the courses in the respective program is planned.</p> <p>To improve students' technical knowledge, various resource persons from industries are invited to conduct guest lectures, special talks and seminars. Relevant Add-on Certificate Programs are also conducted to enhance the practical knowledge and employability skills.</p> <p>The study materials for each course are uploaded in Gnan Resource</p>	

Centre (GRC) in which the students can download their study materials. The college is registered for National Program on Technology Enhanced Learning (NPTEL) for accessing e-learning through online video courses for various streams.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://gct.org.in/gct_new/AOAR%2022-23/Criteria%206/6.5.1-MoM.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Department academic calendar is prepared for department activities based on college academic calendar. The same is approved by the Principal and then subject allocation and other responsibilities are allotted based on the faculty specialization.

Three Internal Assessment Tests (IAT) are conducted for every academic course in each semester as per the academic schedule.

The syllabus for the Continuous Internal Assessment tests are planned and covered for all the programs to enable students to revise all the topics of the syllabus. IAT question papers are set from the previous semester university question papers and the question bank.

IAT Question paper is set by the faculties and the same is verified by the Course Coordinator under the guidance of HOD. Department's internal exam coordinator ensures the smooth conduct of the test and valuation of internal exam answer booklets.

Answer scripts are evaluated by the faculty concerned and the same is returned to students on the third day of exam. Faculty and the students are instructed to adhere the department calendar which is prepared before the commencement of each semester. This adherence of the calendar ensures all the activities planned in the starting of semester are completed as per the date or not.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/6.5.1-MoM.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

23

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

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

35

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1205

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment**1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum**

The Institution has taken measures to integrate and address the Issues relevant to the curricular, co-curricular and extracurricular activities to ensure gender equity.

Various committees have been formed to ensure safe and healthy environment.

Women Empowerment Cell empowers girl students to enhance understanding and addressing of issues.

Women grievances committee is constituted with all the women's faculty and female-student representatives from each class of all the programs. Being a ragging free campus, there is no case of incidence like eve-teasing, sexual harassment against girl students.

Facilities provided for the welfare of our women's faculty and girls

students:

Separate Counseling Cell for Girls.

Medical emergency dispensary on campus to give first-aid and routine medical requirements for the girl-students and lady faculty members.

Campus is under the surveillance of CCTV Camera to ensure safety and to maintain the discipline.

Environment and Sustainability

To integrate the cross-cutting issues relevant to environment and sustainability, all programs have a compulsory course on Environmental Science and Engineering in curriculum.

Swachh Bharat, Avoiding Plastics and Blood Donation Camps are organized regularly by NSS/YRC to improve their life skills.

Human Rights

Anna University offers Human Rights course as elective course.

Committees like SC/ST, Anti-Ragging deal issues regarding ragging related misconduct.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

536

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1819

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://gct.kredovoiceout.in/#/admin/login/index
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://gct.org.in/action_taken_for_feedback.html

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1400

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

1265

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The learning level of the students will be assessed and enhanced to get good results and placements in top MNCs. In each semester,

internal assessment tests are conducted to award internal marks. The students who have scored 60% marks in the internal tests and less than 3 arrears in the previous semester results are considered advanced learners; the rest are considered slow learners. Special programs are arranged for advanced learners to improve their communication and technical skills; separate modules are designed by the training and placement cell. Students are encouraged to organize and participate in programs like webinars, seminars, workshops, etc., to enhance their knowledge and skills.

The Higher Education Cell organizes various programs to motivate the students to get through the competitive examinations. In special programs for slow learners to get good results, counseling is given to all the slow learners for all programs. Mentors are deputed for every 20 students to establish good relationships with each student and motivate them personally. Materials were sent online, like a question bank and a collection of university question papers. All students were asked to go through the online materials. I will be helpful in the university exams. Students were encouraged to complete projects and internships at different companies.

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/2.2.1%20SLOW%20AND%20ADVANCE%20LEARNERS.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
3393	294

File Description	Documents
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

Student-centric learning is supported by creating a conducive learning atmosphere, which allows the students to think in different

ways to respond and ask questions. Students were grouped into advanced learners and slow learners in each class and monitored by subject faculties where they could share ideas and clarification for their development. Apart from this, students were motivated to join online courses like webinars, NPTEL, etc. By including club activities, students were imparted practical training, which is necessary for getting real-time, hands-on experience. **Experiential learning:** In the lab class, while conducting lab experiments, the concepts and working principles of the equipment are explained in addition to content beyond experiments.

The college is well equipped with equipment to support faculty members and students. Participative learning and problem-solving methodologies. The faculty members make learning interactive with students by motivating their participation in group discussions and questions-and-answer sessions on current affairs. Assignments are given to the students in the regular subject topics. In that way, the students can work to solve problems with different methodologies and find the best method to solve them.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teaching, learning, and assessment strategies of the programs are continually reviewed. Through online pre-placement training, mainly soft skills and aptitude-based modules are given. Motivations towards research for students are also offered. Encouraging students to do mini-projects in the concerned subjects. Subject concepts are explained through video lessons, PPTs, e-lessons, and lab experiments. The learning materials for every course are available on the content server of the college, which can be accessed by the students through the intranet facilities. Course materials, question banks, PPTs, and lab manuals are periodically uploaded in the intranet portal GRC (Gnanamani Resource Centre, <https://193.193.193.193/grc/loggingrc.aspx>) to develop the students self-learning by all the subject teachers. Students can access the database of the digital library, NPTEL videos, and other internet facilities that consist of course material, recorded video lectures, and animations.

NPTEL videos, e-books, web links, and teachers design role-play-based assignments to enhance the teaching and learning of students. A web link is provided to the students for giving feedback on the faculties. Students give feedback on the ongoing subject-wise lecture sessions. This feedback will enable the faculty to know the effectiveness of his or her teaching on a lecture basis and help to improve their performance.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

294

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

294

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

30

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

4.45

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Continuous internal evaluation is followed to make the assessment system more transparent, as the institute is affiliated with Anna University Chennai. Two internal assessment tests (IATs) and one model exam are conducted each semester. IAT Syllabus and Question Pattern: The syllabus for the Continuous Internal Assessment IAT1 is Unit I and Unit II, and for IAT II, Unit III and Unit IV. All 5 units are covered for the model examination for all the programs to enable students to revise all the topics of the syllabus. Internal Assessment Test question papers are set from the previous semester university question papers and the question bank.

Question papers adhere to AU standards and follow Bloom's Taxonomy, through which Cos are attained. Unit-wise question banks are provided to the students for all the subjects, including two-mark questions with answers. For the IAT test, the question paper is prepared by the faculty and verified by the course coordinator in consultation with the HoD concerned. The faculty prepares the answer key. Exams were conducted and evaluated by the faculty. Marks were entered in the university web portal for the student transparency mechanism.

File Description	Documents
Any additional information	View File
Link for additional information	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/2.5.1%20FINAL%202023.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Grievances redress cell helps the students approach for general and personal grievances. The committee consists of the principal, academic director, and HOD concerned. Methods of grievance: The student can express their grievance in the following ways: 1. Interacting with their mentor 2. Class committee meeting Each faculty member acts as a mentor for 15 to 20 students. The mentor-mentee meeting is compulsorily conducted once a week. One hour for counseling, library, or seminar per week is allotted in the timetable for the same.

The grievances are collected from the following activities: A class committee meeting is conducted three times a semester. The meeting is attended by the HOD, chairperson, class advisor, subject handling staff, class representatives, and selected students from the particular section. Students who participate in the meeting give their suggestions and feedback. The chairperson or HOD raises questions about the academic activities or discipline issue with students. At the end of the meeting, the chairperson or HOD asks for grievances, if any, from the students and then provides suggestions for various academic activities. The meetings were recorded and forwarded to the principal for further action.

File Description	Documents
Any additional information	View File
Link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/2.5.2%20final%20copy%20to%20cse.pdf

2.6 - Student Performance and Learning Outcomes

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

The institute is affiliated with Anna University in Chennai. The program outcomes (POs), program-specific outcomes (PSOs), and course outcomes (COs) are well defined and stated in the university curriculum for the regulations (R-2017 and R-2021). POs, PSOs, and COs frame and justify the vision and mission statements of the college and the syllabus content. COs are framed by the head of the department, subject handling faculty, and subject experts as per the content of the syllabus. Due care is taken to inform POs, PSOs, and COs of all the stakeholders. POs, PSOs, and COs for all programs and courses offered by the institution are displayed on the institute website for reference by all stakeholders.

Each course has defined course outcomes that are mapped to the program outcome, program-specific outcomes, and a set of performance criteria that are used to provide a quantitative measurement of how well course outcomes are achieved. The course outcomes of each course are mapped to the program outcomes, with a level of emphasis being high-level correlated (3), medium-level correlated (2), and low-level correlated (1). COs are recorded by the faculty concerned for their respective courses and referred to while executing the course plan.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/Additional%20documents%202.6.1%20final.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Course Outcomes: The internal assessment mark for the theory is the average of the three internal assessment examinations, the laboratory average mark of records, and one model practical examination. Project work is evaluated by conducting three review sessions. Anna University Grade Points, as detailed below:

Grade

Grade points

Mark Range

O

10

91-100

A+

9

81-90

A

8

71-80

B+

7

61-70

B

6

50-60

U

0

-

Attainment of program outcomes and program-specific outcomes: Internal Assessment Tests are conducted three times per semester, assessed by respective faculty members, and reviewed by the HOD. The university examination is conducted at the end of the semester, assessed by external examiners, and reviewed by the board chairman appointed by the university. Record Mark and Model Practical Examinations are conducted once per semester, assessed by the respective faculty member, and reviewed by the HOD concerned. Alumni and Employer Survey The alumni and employer survey consists of questionnaires and feedback formats for the alumni students. This form will be collected by the faculty coordinator and reviewed by the HOD and principal for continuous improvement.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/2.6.2%20final.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

542

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/Result2023.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)

http://gct.org.in/gct_new/AQAR%2022-23/Criteria%202/2.7%20Student_Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Nil

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

9

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

Nil

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Gnanamani College of Technology has the following Ecosystem for Innovations and initiatives for creation and Transfer of knowledge.

Gnanamani Rural Entrepreneurship and Technology Incubator: Aims to fostering future Technopreneurs and inspire creative ideas and providing the resources.

Institution Innovation Council: Aims to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes.

Entrepreneurship Development Cell: Aims to enrich the entrepreneurial environment by creating successful entrepreneurs.

Research & Development Centers: Aims to nurture research culture by promoting research in newly emerging and challenging frontier areas.

Industry supported & Innovative Project labs: Aims to inculcate higher level thinking and creativity among the students.

Industry Connected MoUs: Aims to minimize the gap between learning and carrier opportunities.

Ideathon / Hackathon Programs: Aims to nurture creativity and entrepreneurial skills amongst early-stage entrepreneurs

Gnan Central Library: GCT house has a central library in the campus and it has around 20,000 volume of books, magazines and journals.

Gnan Resource Centre: GCT has an exclusive web site named GRC where

students leverage intranet using LAN, to download the study materials uploaded by every faculty.

Wi-Fi: GCT provides Wi-Fi enabled Hi-tech campus to access rich online Data bases. Approximately 102 Wi-Fi devices are being utilized in the classrooms, library and hostels.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AOAR%2022-23/Criteria%203/3.2.1%20final.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

63

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

3

File Description	Documents
URL to the research page on HEI website	https://gct.org.in/r&d_centre.html
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

94

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

26

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Institute promotes college-neighbourhood network for community development by conducting regular activities to impart the social responsibilities among the students. The volunteers of National

Service Scheme (NSS) and Youth Red Cross Society (YRCS) activities such as

- NSS Camp
- Swachh Bharath
- Tree Sapling(s) Plantation
- Blood Donation & Medical Camp
- NSS Day Celebration
- Eye Camp
- Human Rights Awareness Program
- Road Safety Awareness Program
- Voter Awareness Program
- Women Empowerment Activities &
- Drug Awareness Rally

Many special camps were organized with the involvement of volunteers of NSS & YRC for the development of neighbourhood-community. The institute is aware of its role on campus-cum community connections and its wellbeing as well, to build student's interest for service orientation and good citizenship. The institute organized number of extension and outreach programs in neighbourhood Village.

Information regarding proposed activities is notified through a circular on a regular basis. Every student is encouraged to become a member of NSS/YRC's activities. The institution with due promptness practices government social affirmative schemes for the development of under privileged. Our college NSS unit organizes programmes in and outside the college for the benefit of nearby community and differentially-abled people

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%203/3.4.1.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

40

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

5911

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year****2072**

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year****43**

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

Physical Facilities

Gnanamani College of Technology has adequate infrastructural facilities for teaching-learning. Institution is spread out in 29.6 Acres of green-campus. The College has Placement Cell, Training Cell and Entrepreneurship Development Cell. Our college is having 64

classrooms, 4 seminar halls, 65 laboratories, 2 drawing halls, 1 Computer Centre and 2 workshops.

(a) Library: The College has library with area of 1133 Sq.m, e-Governance facilities with good ambience. Library has 40319 printed as well as reference books, 141 National Printed Journals and 1818 International e-journals, 5703 e-books (free and purchased), 1140 back volumes, 331 project reports, 326 question banks and CDS & DVDS 2753.

(b) Computing Equipment: The Institution has Computer Centers with 793 Computer systems. It maintains a student computer ratio of AICTE requirement. The institution is equipped with 125 Wi-Fi Access points facility with a bandwidth of 100 Mbps.

(c) Transport facilities for field visits and industrial visits Gnanamani provides transport facilities 46 buses for all major and minor locations within district and nearby district for student benefit.

(d) Other Facilities: The Institution has exclusive well-ventilated hostel rooms attached with rest rooms/bath rooms for boys and girls separately. Institution provides hygienic and good quality food.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%204/4.1.1%20Infra.pdf

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

Gnanamani College of Technology is facilitated with various indoor and outdoor games which provide students to enrich their sportsmanship. The Students can refresh themselves by utilizing the Gym facility.

Sports: The Institution has a well-established play ground with an area of 37577.46 Sq.m.

Games:

Institution has spacious outdoor game facility with an area of

37404.46 Sq.m. It has one Cricket ground with 26766 Sq.m area, one Volley Ball court with 390 Sq.m area, one Foot Ball court with 4952 Sq.m area, 1 Shuttle Badminton court with 879.66 Sq.m area, 1 Kho-Kho court with 518 Sq.m area and 1 Kabadi court with 348 Sq.m area.

Gym: For all-round development of the students, there is fully equipped gym - fitness zone containing all modern equipment. This area (comprising nearly 265 sq. meters) has a range of equipment's like dumb bells, Steering plates, Biceps Steering plates, skipping ropes.

Yoga: The Yoga classes are conducted for students regularly through Physical Education hours. Students are encouraged to perform yoga during college cultural events.

Cultural Activities: Cultural competitions are being held during Annual day. Students have participated in the interdepartmental level and inter college level competitions and won prizes laurels to the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%204/4.1.2%20Sports.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

48

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%204/4.1.3%20ICT.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

219.75

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

Library Automation Software -Lips i Net 5.0 The Library automation Software Lips i Net 5.0, contains 3 modules, viz Library Main,Library OPAC AND E-Gate Register 1.Library Main Software helps not only to key in the master data of Books, Nonbooks,Periodicals, Back Volumes and Library users but also do transaction and taking reports invarious formats. Stock verification can be done with the help of latest tools like barcodescanners, RFID etc, for which the feature are in built in the software. Displayingphotographs and digital clips are available. 2.Library OPAC (Online Public Access Catalogue) is a separate module, which helps the userof the library to search the Title, Author, Publisher, Acc.No etc available in the library.User can reserve the books and or cancel the reserved the books. He can check out his duesand over dues in the library. Provision for downloading the digital clips and takingprintouts of some contents available. Library resources are made available for the userswith some restrictions. 3. E - Gate Register manages the entry and exit of users while scratching his id card to record his visit in the Library.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://gct.org.in/gct_new/AOAR%2022-23/Criteria%204/4.2.1%20library.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above								
<table border="1"> <thead> <tr> <th data-bbox="86 360 550 421">File Description</th> <th data-bbox="550 360 1471 421">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 421 550 521">Upload any additional information</td> <td data-bbox="550 421 1471 521">View File</td> </tr> <tr> <td data-bbox="86 521 550 705">Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)</td> <td data-bbox="550 521 1471 705">View File</td> </tr> </tbody> </table>	File Description	Documents	Upload any additional information	View File	Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File			
File Description	Documents								
Upload any additional information	View File								
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File								
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)									
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)									
11.73									
<table border="1"> <thead> <tr> <th data-bbox="86 1032 550 1093">File Description</th> <th data-bbox="550 1032 1471 1093">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1093 550 1149">Any additional information</td> <td data-bbox="550 1093 1471 1149">View File</td> </tr> <tr> <td data-bbox="86 1149 550 1216">Audited statements of accounts</td> <td data-bbox="550 1149 1471 1216">View File</td> </tr> <tr> <td data-bbox="86 1216 550 1400">Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)</td> <td data-bbox="550 1216 1471 1400">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Audited statements of accounts	View File	Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File	
File Description	Documents								
Any additional information	View File								
Audited statements of accounts	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 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)									
4.2.4.1 - Number of teachers and students using library per day over last one year									
466									
<table border="1"> <thead> <tr> <th data-bbox="86 1682 550 1742">File Description</th> <th data-bbox="550 1682 1471 1742">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1742 550 1798">Any additional information</td> <td data-bbox="550 1742 1471 1798">View File</td> </tr> <tr> <td data-bbox="86 1798 550 1910">Details of library usage by teachers and students</td> <td data-bbox="550 1798 1471 1910">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Details of library usage by teachers and students	View File			
File Description	Documents								
Any additional information	View File								
Details of library usage by teachers and students	View File								
4.3 - IT Infrastructure									
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi									

The learning materials for every course are available in the content server of the college which can be accessed by the students through the intranet facilities. Course materials, question bank, PPT and lab manuals are periodically uploaded in the Intranet portal GRC Gnanamani Resource Centre (Static IP) - <http://193.193.193.193/grc/loggingrc.aspx>) to develop the students self-learning. 125 Wi-Fi access points enhance the utility of internet and intranet facilities to the students and staff round the clock at the speed of 100 mbps. The college upgraded the internet speed regularly based on requirements. All the computers of the institution are enabled with LAN connection. The total bandwidth is divided for all the computers through LAN and also through Wi-Fi hotspots. Eight Wi-Fi access points have been installed at various places. Initially we have totally 793 computers with latest. All the staff members are having unique Mahindra domain user-name and password for storing their data. We are having separate team called IT Help Desk to troubleshoot all IT related issues. Institute frequently encourages staffs and students to use all the open-source software like Scilab, GCC, maxima, etc., as per AICTE guidelines.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%204/4.3.1%20n.pdf

4.3.2 - Number of Computers

793

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

627.06

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. The infrastructure pertaining to physical, academic and support facilities in college are regularly maintained to ensure that they are of maximum benefit to the students as well as teaching and nonteaching staff. The college has appointed various workers for maintaining infrastructure and equipment. 2. Complaint and service registers are maintained for various services like electrical, bus monitoring, plumbing, housekeeping and supporting staff members are deputed to ensure maintenance of the campus.

3. The institution has developed excellent infrastructure like placement cell, office, digital library, well equipped laboratories and Computer lab, Internet with Wi-Fi connectivity, reading rooms, seminar halls in each department, and separate hostels for both boys and girls. Suitable budget is allocated every year for the maintenance of various facilities.

4.The various committees meet regularly to monitor the optimum use of infrastructure which is accessible to the students and staff of the college.

5.Periodic maintenance is made by cleaning the Laboratory, Software updates antivirus updates. Stock register, break down register is maintained in the laboratories.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%204/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

4014

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

295

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	https://www.gct.org.in/Capacity_Building_Skills_Enhancement.html
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
620	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
620	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent	A. All of the above

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

352

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

19

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

12

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

11

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

A cell committee in Gnanamani College of Technology serves as a catalyst for holistic development by providing opportunities for students to explore, learn and engage beyond the regular academic curriculum. It fosters a sense of community, encourages creativity and nurtures leadership skills among the members while enriching the college experience for all students. The committees often dedicated in areas such as academics, culture, sports and community service which serves as dynamic platforms that promotes student engagement and development. In the academic sphere, committees such as IIC, EDC and IQAC etc., organizes seminars, workshops, technical training and symposium providing students with opportunities to delve deeper into their subjects of interest. Cultural committees are instrumental in planning diverse events, festivals and talent shows whereas sports committee coordinate thrilling competitions, coaching sessions and fitness activities promoting physical well-being and teamwork. The meticulous planning and execution of these committees involve identifying goals allocating resources and collaborating with other entities. Regular meetings are held to discuss progress and challenges ensures a coordinated effort towards achieving set goals. Feedback mechanisms are integral to the committees, allowing them to adapt and evolve based on the changing needs and preferences of the student community.

File Description	Documents
Paste link for additional information	https://www.gct.org.in/#
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

2164

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

- The college has a registered alumni association named as Gnanamani College of Technology Alumni Association. Efforts were taken to register the association and registered in the year of 2019 with registration number SRG/Namakkal/167/2019. Key objectives .
 - To conduct seminars, conferences, workshops, endowment lectures and other academic activities.
 - To create and establish Alumni endowments for granting scholarships, prizes and medals to the students showing high proficiency in their studies and honor former students of the College.
 - To advise and interact with State and Central Government Bodies, Universities and Associations of other academic institutions on matters relating to promotion of higher education, training and management systems and thereby promote the welfare and status of the College.
 - To render financial aid to deserving alumni in cases of extreme compassionate circumstances.
 - Career mentor: Competition in entering the work force is becoming more intensive as a result of a higher number of graduates compared with a limited number of job opportunities. Job availability is more critical in certain sectors. The Name and Designation of the members
1. Sachin S Raj, President
 2. S. Charanya, Vice President
 3. G.

Vidhya Krishnan, Secretary 4. B. Gopala Sutharsan, Joint Secretary 5. C. Kumaresan, Treasurer

File Description	Documents
Paste link for additional information	https://gct.org.in/alumni.html
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

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 and in tune with the vision and mission of the institution

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

VISION

Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

MISSION

? To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.

? To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

QUALITY POLICY

Gnanamani College of Technology is committed to provide all

requirements in curricular and co-curricular areas of Technical Education to our students and mould them with Technical Knowledge, Soft Skills, Physical Education and Ethics to enable them Engineering Professionals of International Standards. The College is also committed to strive for continual improvement of its Quality Management System through Student satisfaction in terms of achieving Academic Excellence, total personality development and excellent placement opportunities for the students. Objective of entire team efforts is to establish name of Gnanamani College of Technology as single source quality supplier by determining and fulfilling student's requirement.

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2020-21/Criteria%206/6.1.1%20Vision.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Philanthropic Founder and Chairman, Dr.T.Arangannal has the deep vision of serving the society with the motto "Education is the foundation upon which we build our future". His vision has been the heritage statement for the functioning of the institution. Based on the recommendations of the Governing Council, the commencement of new courses, expansion of infrastructure, implementation of strategy and other vital decisions are approved by the Chairman and peer team, implementation process discussed with the Principal and Heads of the departments for execution. The top management headed by the Chairman, Chairperson, Chief Administrative Officer, Principal, Academic Director and Vice Principal ensures that periodical meetings of the Governing Council are conducted to monitor the progress. The college delegates authority and provides operational autonomy other departments/ units of the institution and work towards decentralized governance system. People who have authority and autonomy: • Chief Administration Officer • Principal • Academic Director • Vice Principal • HODs • Committee Coordinators.

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/6.1.2%20DECENTRALISATION%20ROLES%20AND%20RESPONSIBILITIES%20%26%20COMMITTEES.docx.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The most important of the strategic plan is to develop quality of education in line with vision and mission of the institution. The strategic plan deployed and reviewed from time to time obtaining feedback from stake holders and various academic and administrative bodies. The management plans for improvement and expansions of infrastructure, modernization of existing facilities, research and development activities and introduction of new courses. The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the institution through the following acts.

? Frequent Meeting of respective Academic/Admission Bodies/Stake holders as per the requirement.

? Creating intellectual and ethical wealth

? Participative style of management through proper decentralization mechanism

The Strategic plan of the institute i.e. 2021-30 is as follows.

? To achieve highest grade in NAAC Accreditation.

? To encourage the faculty members to publish papers in reputed International/National Journals with good impact factor.

? To motivate all the Faculty members to pursue Ph.D.

? To get National Board of Accreditation for the eligible remaining departments.

? To enhance industry powered /sponsored laboratories.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/Str%20plan.pdf
Upload any additional information	View File

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

Functions of Various Bodies

1. Functions of Governing Council

The Governing Council being the supreme administrative authority consists of Chairman, Chairperson, State Government Nominee, Industrialist/Educationalist/Technologist Nominee, Principal, Academic Director, Senior Faculty Members. The body meets once in a year in general and few more times on the basis of any ad-hoc need. The Governing Council performs the following functions:

? Monitors the academic and other related activities of the college.

? Taking policy decisions with respect to the communications from the University, Government, AICTE, etc.

? Monitors the Students and Faculty progress.

? Approves the annual budget of the college.

Service rules and Recruitment Policies:

The institution strictly follows the service rules according to the AICTE, UGC and Anna University norms. It has been uploaded on the website too. Recruitment is taken place according to the norms of the University and UGC. The management selection committee comprising of Principal, Dean, HOD and Subject experts decide the worthiness of the faculty member by his/her performance in the interview according to the parameters.

Recruitment Policies:

The institute follows AICTE, UGC and Anna University norms for staff recruitment. The HoDs review requirements as per teaching load and submit the consolidated staff requirement to the Principal for conduct the recruitment as per the norms.

File Description	Documents
Paste link for additional information	http://gct.org.in/code_of_ethics.html
Link to Organogram of the institution webpage	https://gct.org.in/about.html
Upload any additional information	View File

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) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

Welfare Schemes for Teaching Staff

? The Institution ensures good quality of teaching by means of conducting quality improvement

programs, workshops, faculty training programmes & facilitating teaching learning opportunities for staff.

? Group insurance and Free Medical emergency transportation

? Sanction of one week leave for marriage.

? Sponsorship for attending conference, workshops and FDPs.

? Motivation for organizing guest lectures, attending orientation, refresher programmes & short term courses.

? Causal leave / Special leave to all eligible staff.

? Winter and summer vacation leave to all teaching staff.

? Motivation to register for Ph.D& for taking necessary steps to apply research proposals, getting financial grants, funds & patent etc.

? Encouragement to enroll as members of various professional bodies and societies with financial support.

? Research facilities to the faculty to present their research work at conferences (national & international) and share their technical expertise as resource persons.

? All adequate facilities are provided to the faculty to make best use of all the resources like internet, e-learning resources, library facilities, national & international journals.

Non-teaching staff

? Personal accident insurance

? Salary advance.

File Description	Documents
Paste link for additional information	http://gct.org.in/HR_Policy.html
Upload any additional information	View File

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

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

98

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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

101

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The management evaluates the performance of the faculty based on teaching, research, participation in teamwork, arranging co-curricular and extracurricular activities and publication works. The appraisal system motivates the staff to excel and put forth the best of their efforts. Staff retention is one among the strengths of the institution. The institution has the practice of evaluating the performance of the faculty members by Faculty

Performance Appraisal System.

The following factors are deeply analysed in the appraisal system for teaching staff The performance appraisal system has the following components:

? Teaching performance

? Skill upgradation through participation in Conferences, Workshops, Faculty Development

Programs and others

? Pursuing higher studies (Ph.D, PDF)

? Research activities and obtaining patents

? Result percentage produced in the University Examination

? Publication works in the Scopus indexed / impact factor / e - journals & conference proceedings

? Publication of chapters in books and publication of books

? Carrying out sponsored projects

? Mentoring and Counseling methods

? Feedback from HOD concern and the Principal

? Feedback from students

The following factors are deeply analysed in the appraisal system for non-teaching staff

? Skill upgradation through Orientation Programs, Refresher Course, Short Term Courses and

? Higher Studies

? Feedback from HOD concerned and the Principal

? Active participation in team work

File Description	Documents
Paste link for additional information	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/appraisal%20form.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal Audit is conducted by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the annual closure of the accounts in all respects. External Audit is conducted by the Statutory Auditors after 30th June and the reports are prepared and updated by 30th September of the subsequent year and the account statement are disclosed in the website. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliance of T.D.S. and Statutory Formalities and

Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts is prepared. Subsequently, External Statutory Audit is conducted by the auditors and the final audit report with audit findings are submitted to the Management. The consolidation of the findings of the Institutions with Trust Central office has been completed and the annual returns have been submitted to Income tax Authorities and to the other relevant authorities concerned.

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/AUDIT%20STATEMENT%202022-2023.pdf
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Fees Collections

Students are admitted as per the Tami Nadu Government prescribed Higher Education norms by admitting 50% of students through Anna University Counseling (TNEA) and 50% through Consortium of Self-Financing Professional, Arts and Science Colleges in Tamil Nadu.

Term Loan and Hire Purchase Loans

Institute is getting above Loans from Banks with reduced rate of interest by maintaining the liquidity, DSCR and Debt Equity Ratios which are sound and the Loans are availed through Christian Educational Trust.

Government Grants and Sponsorship Receipts

Grants through proposals are sought from various Government Organizations such as AICTE, ISTE, UGC,

DST, IMCR, IEI, etc. and other Non-Government Organizations such as industries, IT sector etc., and the amount received are judiciously utilized to meet the recurring and non-recurring cost.

Non-Government Bodies and Sponsorship Receipts

Donations are received from well-wishers (alumni and others), industries, individuals and philanthropists for institutional activities.

Corpus Donation of Trust and Trust Contribution

The College is functioning under the Christian Educational Trust at Rasipuram Taluk , Namakkal, Tamilnadu. The Trust gets corpus donations from well-wishers, corporates and philanthropists.

Optimal Utilization

Recurring Expenses

Salary to staff, academic activities and payment of bank interest are done with fees collection.

Infrastructural development facilities and Building construction works

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well-wishers and philanthropist are judiciously utilized for the same.

File Description	Documents
Paste link for additional information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/AUDIT%20STATEMENT%202022-2023.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Internal Quality Assurance Cell (IQAC) has significantly contributed for institutionalizing the quality assurance strategies and processes by implementing quality scheme and practices. IQAC is one of the major policy making and implementing unit in our college. IQAC encourages various committees/cells of the institute and alumni association to organize awareness programs, camps, extension and service oriented activities.

- Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
- Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
- Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.
- Increased Use of ICT for Teaching-Learning and evaluation Process.
- Encouraging research atmosphere in the institution.
- Monitoring the co-curricular, extra-curricular, extension and sports activities.
- Enrichment of NCC and IIC.
- Conducts periodical review meetings with senior professors, head of the departments, other experts and students on quality parameters.
- Promotion of Research and Development activities.

File Description	Documents
Paste link for additional information	https://gct.org.in/gct_new/AOAR%2022-23/Criteria%206/6.5.1-MoM.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Internal Quality Assurance Cell (IQAC) being the central body within the college monitors and review the teaching-learning process regularly. This involves examining the curriculum, teaching methods, assessment strategies, and other aspects of the learning process to identify areas for improvement. Implementation of pedagogical initiatives and various instructional methods is a crucial aspect of improving the quality of education in an institution. Some common pedagogical initiatives include:

- Collaborative learning involves promoting teamwork and collaboration among students, encouraging them to learn from each other and share their knowledge and skills.
- Encouraging students to earn online certifications can provide them with an opportunity to develop new skills and knowledge outside of the classroom.
- Continuous evaluation comprising of internal assessment tests, assignments, group discussions, and seminar presentations.
- Providing additional support to weaker students can help them catch up with their peers and succeed academically.
- Providing challenging tasks, additional reading materials, and mentorship opportunities to bright students can help them reach their full potential and excel in their academic and professional careers.

By implementing these strategies, our institution can create a more supportive and engaging learning environment that promotes student success and achievement, regardless of their background or skill level.

File Description	Documents
Paste link for additional information	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/6.5.2-AAA.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://gct.org.in/gct_new/AQAR%2022-23/Criteria%206/6.5.3.1-AR%20link.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

1. Safety and Security

- A team of security guards ensures the security of the students.
- Separate hostel for boys & girls with sophisticated room with all facilities.
- Transportation is provided for the needy in emergency.
- CCTV cameras are installed in all over the campus for monitoring purposes.

- Electricity Power backup and Fire extinguishers are available in the campus.
- Grievance Redressal Committee and Women's Empowerment cell are available.

2. Counselling

- Faculty members are assigned as Mentors for a group of 15 to 20 students.
- Mentors are monitoring and guiding their students continuously and counseling them to improve their attendance, Individual skills etc.
- Parents are timely informed through counselors whenever the need arises.
- Parents' meeting is a part of mentoring system to make connectivity between mentors and parents.

3. Common Room

- For students' convenience rest rooms are provided in every floor
- The medical room (dispensary) provides physical space to the girls to rest when they are indisposed.
- Extensive facilities for outdoor games with spacious volleyball court, foot ball court, cricket ground and sports kits are available inside the campus.
- Equipped Multi Gym is provided for boys.
- Magazines and News papers are made available in the hostel.

File Description	Documents
Annual gender sensitization action plan	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%207/GENDER%20EQUITY%202022-2023.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://gct.org.in/gct_new/AQAR%2022-23/Criteria%207/GENDER%20EQUITY%20FACILITIES%202022-2023.pdf

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

A. 4 or All of the above

power efficient equipment

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management:

Solid waste management, the procedures are followed in the campus:

- Deployment of Dustbins at distinct points.
- Proper collection of droppings from the trees and plants and conversion into manure.
- Food wastes from mess and canteen are collected and fed into bio gas plant to produce bio gas and used in mess inside the campus.

Liquid Waste Management:

Our Institution has Sewage Treatment Plants (STP) to recycle the waste water.

- To ensure effective utilization of waste water, the lawns, saplings and trees in the campus are watered after recycling.
- Well constructed drainage system in the form of closed collection tanks prevails in campus.

Biomedical Waste Management:

There is no biomedical waste generated in our college campus.

E-Waste Management:

Disposal of e-waste, the harmless items are used in the laboratories for demonstration purpose. The out dated computer mother boards, RAM, hard disks and processors are used for the purpose of hardware assembly training.

Waste recycling system:

After recycling of waste water, the lawns, saplings and trees in the campus are watered and make the campus as Green.

Hazardous chemicals and radioactive waste management:

No hazardous chemicals and radioactive waste generated in the college campus.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
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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 disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

The institute has prioritized creating an inclusive environment for students, faculty, and the public, emphasizing harmony in social, communal, regional, and cultural events. Additionally, NSS and YRC units partnered with the Food Safety Department in Namakkal for a rally on "Food Festival 2022".

The commitment to inclusive initiatives continued with the organization of "Lord Krishna Janmashtami 2022" by the International Society for Krishna Consciousness, Salem, in Sona College of Technology. The NSS and YRC units, in association with the Primary Health Centre in Puduchatram, conducted an awareness program on the occasion of "National Deworming Day," providing Albendazole 400mg tablets to students on campus.

Under the Swachh Bharath Mission, a plastic awareness program, "Namma Ooru Superu," was conducted in A.K. Samuthiram village, emphasizing environmental effects and recycling benefits. An "SWACHHTA, PAKHWADA" rally, in collaboration with ICAR-KVK, addressed cleanliness, involving NSS and YRC volunteers.

A "Youth Awakening Day Rally" in memory of Dr. A.P.J. Abdul Kalam's birth anniversary emphasized youth's role in nation-building. The Chairman highlighted Dr. Kalam's dreams. A "Free Eye Checkup Camp" with Lotus Eye Hospital benefited 295 people. Pongal festival was celebrated on 13.01.2023 in our college campus.

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

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

Environmental Science and Engineering, Professional Ethics in Engineering for the following department (ECE, EEE, CIVIL, MECH, CSE, BME, FOOD, CHEMICAL) through which we enhance the Sensitization of students. The students are trained to adhere to constitutional obligations.

The Institution encourages multicultural celebrations in the campus. Students join together to improve society of nation and cultures. Indian great personalities' life history is shown to the young minds.

A GOOD CITIZEN

A good citizen is the one who is helpful and broad minded. He stays calm and doesn't make others harder. It is the responsibility of every person to keep its area clean. The good citizen is the one who abides by all the rules and laws of the country.

LAW

It is the duty of ever citizens to help the administration for maintenance of law and order; the primary function of the State.

ENVIRONMENT

Environmental scientists work on subjects like the understanding of earth processes, evaluating alternative energysystems, pollution control, natural resource management and the effects of global climate change. Science is the explanation of the physical world, while engineering encompasses applications of science to achieve results. Water is a valuable natural resource that is found in different forms in the environment.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://gct.org.in/gct_new/AOAR%2022-23/Criteria%207/NAAC%207.1.9%20Criteria%20.pdf
Any other relevant information	https://gct.org.in/gct_new/AOAR%2022-23/Criteria%207/NAAC%207.1.9%20Criteria%20.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

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 programs 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

Our Institution has students from different parts of India. The Institution encourages multicultural celebrations in the campus. Our students worktowards clean and better India. They intend to improve the society, nation and culture. Indian leaders biographies are being discussed with the young minds through the programmes conducted on these special days. Ever since our school days, we are told that on the days of national festivals we should remember all those who sacrificed their lives or a part of their lives to freedom our country from the British.We should also remember them on the days they were born and the dayswhen they were demised after serving

the country. The reason we celebrate festivals is because the majority of them are more or less religiously centered and thus welcome to honor our religions. Festivals also give a sense of enjoyment, relaxation and offer the time needed to bond with family members whom we never really see. These Celebrations will help students to have a good understanding about the culture, characteristics and purpose of celebration. So our college is concerned with great personalities anniversaries and festivals celebrated in front of students and teachers to make them service minded.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

- **Best Practices: Student Talk:**

Student talks offer a platform for young minds to articulate their ideas, research findings, or perspectives on various subjects. During these talks, students share insights into their academic projects, discoveries, or personal experiences, contributing to a vibrant academic community. Through engaging discussions and Q&A sessions, students showcase their ability to convey complex information effectively. Whether presenting research findings, sharing insights, or engaging in debates, students hone their ability to convey complex concepts in a clear and concise manner. In essence, student talks go beyond the classroom, shaping well-rounded individuals equipped with effective communication and analytical prowess.

- **Best Practices: Peer Group Counselling**

Peer group counselling is a valuable approach in addressing various challenges faced by individuals within a shared community. This form of counselling involves peers providing support, understanding, and guidance to one another, creating a supportive network that fosters

personal growth and well-being.

Importantly, peer group counselling complements formal counselling services. While professional counsellors provide expert guidance, peers offer a unique form of emotional support and understanding.

By fostering a sense of community, encouraging empathy, and promoting effective communication, this approach contributes positively to individuals' emotional well-being and helps create resilient, empowered communities.

File Description	Documents
Best practices in the Institutional website	http://gct.org.in/gct_new/AOAR%2022-23/Criteria%207/CONSOLIDATE%20-%20ST%20%26%20PEER%20COUN.pdf
Any other relevant information	http://gct.org.in/gct_new/AOAR%2022-23/Criteria%207/Student%20Talk%20and%20Peer%20Counselling.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

At Gnanamani College of Technology, the spirit of community engagement and social responsibility is at the heart of its mission. Throughout the academic year, the college organized a wide array of events and initiatives that not only enhanced the college experience but also contributed positively to the society at large. Promoting a drug-free society, this college organized a Mini Marathon that was enthusiastic participation from students, faculty members and local residents. The event aimed to raise awareness about the dangers of drug abuse and encouraged a healthy, drug-free lifestyle. Celebrating culinary diversity the college organized the Food Fest Rally brought together food enthusiasts and aspiring chefs from various backgrounds. The college actively participated in environmental conservation efforts through the awareness rallies like "SWACHHTA PAKHWADA", "Namma ooru Superu" and "Meendum manjapai".

Students and faculty came together to create a cleaner, greener environment, instilling a sense of environmental consciousness among the youth. Also organized village women small scale business

development training, Avoiding plastics awareness rally, free medical camp through these diverse activities. This college not only enriched the educational experience of its students but also played a pivotal role in fostering a socially aware, responsible, and empowered community.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To facilitate Faculty and Student Exchange programmes with other academic institutions and linkages.
- To facilitate sustainable upgradation of the college.
- To strengthen the Alumni Association and increase Alumni engagement.
- To promote Research by students and Faculties.
- NBA for Biomedical Engineering, Chemical Engineering and Food Technology.
- To provide amenities and sports facilities in harmony with nature.
- To continue to provide congenial learning environment for holistic development of Students, Faculty and Supporting Staff.
- To inculcate online learning such as NPTEL, SWAYAM and MOOC courses to students.
- To monitor Quality Assurance and Quality Enhancement activities of the Institution and to obtain better NIRF Ranking.
- To continue to provide formal education to needy and deserving students, by providing - fee concessions, fee waiver, book bank facility, etc
- To create an Incubation Centre/ centre of excellence for new ideas to be translated into business ideas.