



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

| | | |
|--|--|--|
| 1.Name of the Institution | | Government College of Technology |
| • Name of the Head of the institution | | Dr. K. MANONMANI |
| • Designation | | Principal |
| • Does the institution function from its own campus? | | Yes |
| • Phone No. of the Principal | | 04222432221 |
| • Alternate phone No. | | 04222453040 |
| • Mobile No. (Principal) | | 9842247959 |
| • Registered e-mail ID (Principal) | | principal@gct.ac.in |
| • Address | | Government College of Technology, Thadagam Road, Coimbatore |
| • City/Town | | Coimbatore |
| • State/UT | | Tamil Nadu |
| • Pin Code | | 641013 |
| 2.Institutional status | | |
| • Autonomous Status (Provide the date of conferment of Autonomy) | | 30/05/2018 |
| • Type of Institution | | Co-education |
| • Location | | Urban |

| | | | | | |
|--|---|------|-----------------------|---------------|-------------|
| • Financial Status | Grants-in aid | | | | |
| • Name of the IQAC Co-ordinator/Director | Dr. R. Thenmozhi | | | | |
| • Phone No. | 04222432221 | | | | |
| • Mobile No: | 9443440631 | | | | |
| • IQAC e-mail ID | iqac@gct.ac.in | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year)) | https://gct.ac.in/sites/gct.ac.in/files/AQAR%202022-23%20Jan%202024.pdf | | | | |
| 4.Was the Academic Calendar prepared for that year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://gct.ac.in/college-calendar | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
| Cycle 1 | A | 3.21 | 2018 | 02/11/2018 | 01/11/2023 |
| Cycle 2 | A | 3.06 | 2024 | 20/12/2024 | 19/12/2029 |
| 6.Date of Establishment of IQAC | 14/11/2017 | | | | |
| 7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)? | | | | | |
| | | | | | |

| Institution/ Department/Faculty/School | Scheme | Funding Agency | Year of Award with Duration | Amount |
|---|--------|-----------------------------------|-----------------------------|----------------|
| Dr.J.Jeyanthi, Professor, Government College of Technology, Thadagam Road, Coimbatore - 641013. | CSS/HG | Ministry of AYUSH, Govt. of India | 10/07/2023 | Rs. 10.8 Lakhs |
| Dr.R.Thenmozhi, Professor in Civil Engg., Government College of Technology, Thadagam Road, Coimbatore - 641013. | TNSCST | TamilNadu Government | 01/08/2023 | Rs. 7500 |
| Dr.E. Latha Mercy, Professor in EEE, Government College of Technology, Thadagam Road, Coimbatore - 641013. | TNSCST | TamilNadu Government | 01/08/2023 | Rs. 7500 |
| Dr. A. Sasikumar, AP/Prod., Government College of Technology, Thadagam Road, | TNSCST | TamilNadu Government | 01/08/2023 | Rs. 7500 |

| | | | | |
|--|-------------------|-------------------------|------------|--------------------|
| Coimbatore - 641013. | | | | |
| Dr. R.Rajeswari, Professor, Government College of Technology, Thadagam Road, Coimbatore - 641013. | CMRG 2023-2024 | TamilNadu Government | 24/09/2024 | Rs.30.45 Lakhs |
| Dr. K.Ramesh, Professor, Government College of Technology, Thadagam Road, Coimbatore - 641013. | CMRG 2023-2024 | TamilNadu Government | 24/09/2024 | Rs.36.75 Lakhs |
| Dr. K.Yasoda, Asso. Professor, Government College of Technology, Thadagam Road, Coimbatore - 641013. | TANGEDCO | TamilNadu Government | 20/12/2023 | Rs. 4.952 Lakhs |

8.Provide details regarding the composition of the IQAC:

| | |
|---|---------------------------|
| <ul style="list-style-type: none"> • Upload the latest notification regarding the composition of the IQAC by the HEI | View File |
| 9.No. of IQAC meetings held during the year | 4 |
| <ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions taken | Yes |

| | |
|---|------------------|
| uploaded on the institutional website? | |
| <ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded |
| 10. Did IQAC receive funding from any funding agency to support its activities during the year? | No |
| <ul style="list-style-type: none"> If yes, mention the amount | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | |
| <ul style="list-style-type: none"> The institution has significantly increased its collaborative activities through the signing and conducting activities through Memorandums of Understanding (MoUs) with various organizations and institutions. | |
| <ul style="list-style-type: none"> The value-added courses were offered, including the introduction of the "Naan Mudalvan" program, to equip students with practical and employable skills. | |
| <ul style="list-style-type: none"> A destressing program was organized to promote and maintain a healthy work-life balance among faculty and staff members. | |
| <ul style="list-style-type: none"> A Global Alumni Reunion was successfully conducted, fostering alumni interaction with the research centre to strengthen academic and professional networks. | |
| <ul style="list-style-type: none"> Several workshops addressing cross-cutting issues were organized to enhance awareness and skills among students and faculty. | |
| 12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year: | |
| | |

| Plan of Action | Achievements/Outcomes |
|---|---|
| <ul style="list-style-type: none"> Organize patent awareness workshops to increase the patent. | <ul style="list-style-type: none"> Workshops on intellectual property rights (IPR) were organized for faculty and students conducted on 15.11.2023, 6 patents have been successfully granted and many patent applications are still under process, marking a strong start to the initiative. |
| <ul style="list-style-type: none"> Integrate sustainability practices in curriculum. Courses incorporating Sustainability development goals implemented in academic programs. | <ul style="list-style-type: none"> World Environment Day awareness programme was conducted on 5.6.2023 on the title of |
| <ul style="list-style-type: none"> Organize collaborative research seminars. | <ul style="list-style-type: none"> A public connect road show and exhibition was successfully conducted on 8.6.2023 in collaboration with CSIR to showcase research innovations. |
| <ul style="list-style-type: none"> Facilitate student internships at research centres. | <ul style="list-style-type: none"> Curriculum is revised for both UG and PG students to undergo internship programmes |
| <ul style="list-style-type: none"> Workshops and Training for Quality Assurance | <ul style="list-style-type: none"> A workshop on quality assurance for sustaining higher education standards was successfully conducted on 30.11.2023. |
| <ul style="list-style-type: none"> Curriculum Development and Improvement | <ul style="list-style-type: none"> Curriculum has been modified to reflect the needs of the present industry. |

| | |
|--|-------------------|
| <p>13. Was the AQAR placed before the statutory body?</p> | <p>Yes</p> |
|--|-------------------|

| |
|--|
| <ul style="list-style-type: none"> Name of the statutory body |
|--|

| | |
|--------------------------------|--------------------|
| Name of the statutory body | Date of meeting(s) |
| External Peer Review Committee | 30/11/2024 |

| | |
|--|-----|
| 14. Was the institutional data submitted to AISHE ? | Yes |
|--|-----|

| |
|--|
| <ul style="list-style-type: none"> Year |
|--|

| | |
|------|--------------------|
| Year | Date of Submission |
| 2023 | 19/01/2023 |

15. Multidisciplinary / interdisciplinary

In accordance with the 2022 and 2023 regulations, interdisciplinary learning has been prioritized through the inclusion of open elective courses in the curriculum. These regulations explicitly encourage interdisciplinary projects, leading to notable achievements such as students' active participation and award-winning performances in national events like the Smart India Hackathon. Departments further promote innovation and collaboration by organizing annual Internal Hackathons and conducting systematic awareness programs to inspire student involvement in interdisciplinary initiatives. Recognizing the growing importance of multidisciplinary approaches in engineering tasks, processes, and research, new courses integrating concepts from various disciplines have been introduced. Additionally, the open elective framework enables students from all specializations to access diverse learning opportunities, fostering a comprehensive and enriched academic experience.

16. Academic bank of credits (ABC):

The institution has proactively undertaken all necessary measures to align with the Academic Bank of Credits (ABC) initiative, as outlined in the National Education Policy 2020. A robust curriculum based on the Choice Based Credit System (CBCS) has been in place since 2016, accompanied by academic regulations that facilitate credit transfer among government engineering institutions. The existing pedagogy emphasizes flexible learning, allowing students to progress at their own pace by registering for a minimum of 18 credits and up to a maximum of 30 credits per semester. Additionally, credits earned through online platforms such as NPTEL and Coursera are recognized and can be accumulated toward the total credit requirements for degree qualification.

17.Skill development:

The institution has established numerous Memorandums of Understanding (MoUs) with government and private industrial sectors to enhance internship opportunities and placement training for students. Skill-based courses are integrated into the curriculum in collaboration with industry partners to ensure practical and relevant learning experiences. The state government's Naan Mudhalvan scheme has been effectively implemented to support student learning, offering specialized courses such as the Professional Readiness for Innovation, Employability, and Entrepreneurship program, with a focus on emerging technologies, including Machine Learning, Artificial Intelligence, and related applications. Additionally, all undergraduate programs mandate the completion of the course "Professional Ethics," which encompasses topics such as stress management, yoga, spirituality, ethics, and life values. This course aims to equip students with essential professional and life management skills.

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

Under the 2022 regulations, undergraduate students are offered courses in regional languages, including Heritage in Tamil and Tamil and Technology, to enhance accessibility for a broader audience. The institution organizes Muthamizh Vizha annually through the Tamil Mandram, celebrating Tamil heritage and culture. Students are also encouraged to participate in cultural events hosted by other institutions, fostering engagement with diverse artistic and cultural expressions. To support learners who may not be fluent in the language of instruction, multilingual resources and translations are provided. Storytelling techniques are employed to convey traditional knowledge, reflecting the rich cultural heritage of Tamil Nadu, as many Indian cultural teachings are traditionally passed down through narratives. Additionally, course content is designed to be inclusive, representing the cultural diversity across various regions of Tamil Nadu.

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

The institution has implemented Outcome-Based Education (OBE) in its teaching-learning processes since the academic year 2013-14. In alignment with OBE principles, the curriculum has been refined to address the knowledge, skills, and attitudes expected of graduates. To foster the adoption of OBE practices, various training programs are organized for faculty members. Additionally, several engineering programs offered by the institution have been accredited under Tier-

I by the National Board of Accreditation. The institution has demonstrated significant expertise in implementing OBE in accordance with the National Education Policy (NEP). Programs are systematically defined with a clear Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs). The institution actively disseminates OBE parameters, including PEOs, POs, and PSOs, to all stakeholders. Regular feedback is collected from stakeholders to ensure that the program outcomes and objectives align with expectations and are continuously improved.

20.Distance education/online education:

Not provided any Distance / Online Education

Extended Profile

1.Programme

| | |
|---|----|
| 1.1 | 20 |
| Number of programmes offered during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |

2.Student

| | |
|---|------|
| 2.1 | 3085 |
| Total number of students during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional data in Prescribed format | View File |

| | |
|---|-----|
| 2.2 | 799 |
| Number of outgoing / final year students during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |

| | |
|--|------|
| 2.3 | 6026 |
| Number of students who appeared for the examinations conducted by the institution during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |
| 3.Academic | |
| 3.1 Number of courses in all programmes during the year: | 1200 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.2 Number of full-time teachers during the year: | 167 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.3 Number of sanctioned posts for the year: | 200 |
| 4.Institution | |
| 4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year: | 990 |
| 4.2 Total number of Classrooms and Seminar halls | 91 |
| 4.3 Total number of computers on campus for academic purposes | 1042 |
| 4.4 Total expenditure, excluding salary, during the year (INR in Lakhs): | 1667.52 |
| Part B | |
| CURRICULAR ASPECTS | |

1.1 - Curriculum Design and Development

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

The institution has maintained a strong focus on quality education since its inception, especially after becoming autonomous in 1987. It designs curricula and outcomes based on internationally recognized standards like AICTE, IEEE, ACM, ASME, and ASCE to ensure relevance to local, regional, national, and global development needs. The institution adopted Outcome-Based Education (OBE) in 2012 and implemented the Choice-Based Credit System (CBCS) in 2016. Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are defined based on OBE principles, with assessment procedures in place to measure attainment levels and implement corrective actions as needed.

To foster development at various levels:

- **Local Development:** Courses like Language, Science, Technology and Society and Engineering Project in Community Services engage students with local socio-economic and technological needs.
- **National Development:** Courses on the Constitution of India and Industrial Management and Economics, alongside internships, co-curricular activities, and participation in national events like Smart India Hackathon, prepare students to address national challenges.
- **Global Development:** A wide range of electives, international collaborations, and participation in global competitions help students meet global developmental needs, with many pursuing higher studies abroad.

The institution fosters holistic development to equip students for diverse societal contributions.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload additional information, if any | View File |
| Link for additional information | Nil |

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

20

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

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

271

| File Description | Documents |
|---|---------------------------|
| Curriculum / Syllabus of such courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses | View File |
| MoUs with relevant organizations for these courses, if any | No File Uploaded |
| Any additional information | View File |

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

1025

| File Description | Documents |
|---|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | No File Uploaded |
| Institutional data in prescribed format (Data Template) | View File |

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

20

| File Description | Documents |
|--|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | No File Uploaded |
| List of Add on /Certificate programs (Data Template) | View File |

1.3 - Curriculum Enrichment

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

The institution integrates cross-cutting issues such as gender, environment, sustainability, human values, and professional ethics into its curriculum and activities, promoting the holistic development of students. Key initiatives include:

1. **Gender Issues:** The institution has established an Anti-Gender Harassment Committee and a Women Empowerment Cell since 2017 to address gender-related concerns, foster gender sensitivity, and provide a platform for real-life experiences related to gender issues.
2. **Professional Ethics and Human Values:** To enhance students' professional conduct, the institution introduced the course "Values and Ethics" in the first year for all engineering branches, focusing on improving judgment, behavior, and decision-making in personal, organizational, and societal contexts.
3. **Environment and Sustainability:** The institution is committed to sustainability, with a green campus that generates solar power and implements rainwater harvesting. Students take courses on environmental science and engineering, and research in this field is encouraged at the PG and Ph.D. levels. The institution also promotes green initiatives through a dedicated green club.
4. **Community Service and Clubs:** Student volunteers from NSS engage in community service, and the institution supports various clubs like Anti-drug, Cyber, and Coding Clubs. It also participates in Unnat Bharat Abhiyan.
5. **Multidisciplinary Learning:** The curriculum includes multidisciplinary projects, open electives, and the option to

pursue Honors/minor degrees (introduced in 2018 and 2022 regulations).

These efforts ensure students are well-rounded and equipped to contribute positively to society.

| File Description | Documents |
|---|---------------------------|
| Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum | View File |
| Any additional information | No File Uploaded |

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

21

| File Description | Documents |
|--|---------------------------|
| List of value-added courses | View File |
| Brochure or any other document relating to value-added courses | No File Uploaded |
| Any additional information | No File Uploaded |

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

4308

| File Description | Documents |
|----------------------------|---------------------------|
| List of students enrolled | View File |
| Any additional information | No File Uploaded |

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

802

| File Description | Documents |
|---|---------------------------|
| List of programmes and number of students undertaking field projects / internships / student projects | View File |
| Any additional information | No File Uploaded |

1.4 - Feedback System

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

A. All 4 of the above

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | https://gct.ac.in/sites/gct.ac.in/files/2025-01/Students%2C%20Teachers%2C%20Alumni%20and%20Employee%27s%20Feedback.pdf |
| Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management | View File |
| Any additional information | No File Uploaded |

1.4.2 - The feedback system of the Institution comprises the following

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

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | https://gct.ac.in/sites/gct.ac.in/files/2025-01/Students%2C%20Teachers%2C%20Alumni%20and%20Employee%27s%20Feedback.pdf |
| Any additional information | No File Uploaded |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

760

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

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

551

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

2.2 - Catering to Student Diversity

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

. The following strategies are implemented for slow and advanced learners:

Slow Learners:

1. Remedial classes are offered to help improve the academic performance of slow learners.
2. Extra classes and lab sessions are arranged for students who miss regular classes or laboratory sessions due to involvement in extracurricular and co-curricular activities, ensuring they can catch up with their peers.

Advanced Learners:

1. Students with a CGPA of 7.5 or higher are encouraged to pursue Honours with a major or minor specialization of their choice, which will aid them in their future higher studies.
2. Government-sponsored internships are provided to academically strong students from financially low backgrounds, offering them exposure to industry needs and practical training.
3. Online interactions with alumni are encouraged to offer diverse perspectives on engineering.
4. Industry expert guest lectures are organized to provide

students with insights into the industry.

5. Skill development programs, including communicative English and aptitude training, are conducted.
6. Students are prepared for placements, GATE, and other competitive exams.
7. Assignments and student seminars on contemporary topics are organized to enhance placement readiness.
8. Students are appointed as members of the board of studies and office bearers of the student council, department associations, and various professional bodies, fostering their communication, leadership, and team-building skills.
9. Students are encouraged to participate in:
 - MOOC and NPTEL courses via the Swayam platform.
 - Various seminars, conferences, workshops, and inter-collegiate competitions.
 - National and international-level hackathons and competitions.
 - Debates, group discussions, problem-solving, decision-making exercises, and quiz programs.
 - Extracurricular activities, exhibitions, and cultural events.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/16MSaifg_tUU_2_p8PsMgwxmsTovVRCHIw/view?usp=sharing |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| Nil | 3085 | 167 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-

solving methodologies are used for enhancing learning experiences:

GCT provides a platform for growth, skill development, and the cultivation of values in young minds through student-centered and innovative programs. These strategies include experiential education, which includes class laboratory trips, summer internships, student clubs, value-added certificate programs from multinational corporations, hackathons, and simulated stock exchanges. Participatory education includes Techfests, Symposia, inter-college and national conferences, and programs like the English Literature Society and Tamil Mandram. Problem-solving skills are also developed through student mini project development, environmental problem solutions, quizzes, case studies, and debates in inter-intra colleges. ICT is used by faculty to integrate technology with conventional modes of instruction, enhancing the way education is delivered. Tools used include PowerPoint presentations, Industry Connect, online tests, student counseling via Zoom and Google Meet programs, and video lectures for future reference and long-term study. To prepare students for the workplace, teachers are fusing technology with conventional modes of instruction. The institute uses tools such as projectors, LCD screens, digital libraries, Industry Connect, online tests, and video lectures to enhance learning and engagement. By integrating technology with traditional teaching methods, GCT ensures that students are well-prepared for the workplace and develop their problem-solving skills.

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional Information | https://gct.ac.in/naac-2nd-cycle |

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

ICT Use by Faculty In order to be prepared for the workplace, students must now acquire and master the newest technology. In order to engage pupils in long-term learning, teachers are fusing technology with conventional modes of instruction. Information and communication technology (ICT) is used in schools to assist, improve, and optimise the way that education is delivered. The Institute makes use of the following tools: 1. Power Point Presentations - Colleges employ projectors and LCD screens to deliver lessons using PowerPoint presentations. The digital library offers access to websites and internet search engines. 2. Industry Connect: In the well-equipped seminar and conference rooms, students can attend guest lectures, expert discussions, and a variety of

technical competitions. 3. Online test: Following the completion of each course, students are given online tests using GOOGLE FORMS, Yahoo+, or 4. Student counselling is provided via the Zoom and Google Meet programmes. 5. Video lecture: Recorded video lectures are made available for future reference and long-term study.

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://classroom.google.com/u/1/ |
| Upload any additional information | View File |

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

2.3.3.1 - Number of mentors

167

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

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

The Government College of Technology offers a unique learning environment compared to professional educational institutions, focusing on developing students' personality and employability. To address the challenges faced by students from rural backgrounds and diverse socio-economic backgrounds, the institute has introduced the Mentor Mentee program. This program provides emotional and instrumental support, counseling, motivation, and a better environment for students. A mentor plays a crucial role in students' education, positively impacting their persistence and academic success. The mentoring-mentoring program is structured, with each faculty member assigned to mentor approximately 8-10 students. The mentors perform tasks such as meeting with the student group, maintaining students' personal information, monitoring academic growth, advising on electives, projects, and summer training, and staying in touch with students even after graduation. The mentees' tasks include attending meetings regularly, providing detailed

information about attendance, continuous assessment, testing, and co-curricular and extracurricular activities, and trusting the mentor. The Head of Department (HOD) meets with all mentors in the department to check the correct implementation of the system, advise the mentor when necessary, initiate administrative actions against the student, and inform the institute's Principal.

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

2.4 - Teacher Profile and Quality

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

167

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

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

90

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

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

1606

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

2.5 - Evaluation Process and Reforms

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

23

| File Description | Documents |
|--|---------------------------|
| List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result | View File |
| Any additional information | No File Uploaded |

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

0

| File Description | Documents |
|---|---------------------------|
| Upload the number of complaints and total number of students who appeared for exams during the year | View File |
| Upload any additional information | No File Uploaded |

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

Processes integrating IT:

Student data was collected from course registration forms issued by COE, and entry into the Examination Management System Collection of tuition fees through SBI gct collect. Calculation and collection of examination fees. Question paper setting orders was issued by the Controller of Examinations. Scheduling of examination timetables and exams will be conducted by proper invigilation system. Dispatching

of valuation orders by the Controller of Examinations. Entry of marks into the Examination Management System following valuation. Preparation of preliminary results in the Examination Management System. Finalization of results after moderation. Generation and distribution of individual and consolidated mark sheets to students.

Continuous Internal Assessment (CIA): Faculty members handling the courses document all Continuous Internal Assessment (CIA) marks, assignment marks and students' attendance in their respective classes. Continuous Assessment is to be arrived on the basis of performance of the students in tests, assignments and tutorial .

Reforms in the Examination procedures:

Incorporation of Bloom's Taxonomy in internal and end-semester examinations, covering all relevant levels to assess various cognitive skills thoroughly. Scrutinizing the end-of-semester question paper before conducting the exams. Allocation of 50%marks each to continuous assessment and end-semester examinations for practical courses in the R2018 curriculum.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |

2.6 - Student Performance and Learning Outcomes

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

The program outcomes for all undergraduate (UG) and postgraduate (PG) programs are defined based on the general attributes following the guidelines of the Washington Accord. Each program has its own set of well-defined learning outcomes, including, Program Educational Outcomes (PEOs), Program Outcomes (POs), Program specific Outcomes (PSOs) and Course Outcomes are framed for all courses in the program during the commencement of the semester based on Blooms' Taxonomy which includes various levels like:

- Remember
- Understand
- Apply

- Analyze
- Evaluate
- Create

The Heads along with subject faculties and subject and industrial experts discuss and frame the Course Outcomes. All Learning Outcomes (PO, PSO, CO) would be communicated properly among faculty, staff, and students. Students are educated with the outcomes of each course before the commencement of the subject byincharge.

The defined COs are mapped to their corresponding POs with three levels of correlation in the program articulation matrix. The PEOs are defined to ensure attainment within a few years after graduation. The PAC recommends that the POs, PSOs, and COs be submitted to the Board of Studies for approval. Once the Academic Council approves, thePEOs, POs, PSOs, and COs are disseminated and made available on the GCT website.

| File Description | Documents |
|--|---------------------------|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | View File |
| Link for additional Information | Nil |

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

The CO attainment levels are calculated for Continuous Internal Assessment (CIA), Course Exit Survey obtained after the completion of the course, and End Semester Examinations (ESE). The attainment level is set with three levels: low, medium, and high for every course offered based on the percentage of students attaining the set targets. The overall CO attainment for every course is calculated, and any gaps in attainment are taken up for further analysis. The PO and PSOs for all courses of each program are averaged, and 80% of this attainment is considered as direct attainment of PO and PSO. The values obtained using the program exit, alums, and employer surveys are considered for calculating indirect attainment of PO and PSO with a weightage of 20%. The combined values of direct and indirect attainment of POs and PSOs are compared with the batch's target value based on the department's criteria.The PO/CO attainment gaps are identified and used further to improve the teaching-

learning process for each program/course. All stakeholders' feedback is obtained through different modes and analyzed for improvement. IQAC is a dedicated team that continually monitors the OBE activities by conducting the internal audit semesterwise by the senior most faculty members.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |

2.6.3 - Pass Percentage of students

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

744

| File Description | Documents |
|---|---------------------------|
| Upload list of Programmes and number of students appear for and passed in the final year examinations | View File |
| Upload any additional information | View File |
| Paste link for the annual report | Nil |

2.7 - Student Satisfaction Survey

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

<https://gct.ac.in/feedback-students-satisfaction-survey>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Government College of Technology, Coimbatore is dedicated to fostering a culture of robust research and innovation among its

students and faculty. Their comprehensive plan not only encourages research but also ensures that it is conducted with integrity and adherence to established guidelines. This commitment extends to promoting collaboration and knowledge sharing among researchers to maximize the impact of their findings. Additionally, the college assists faculty members in identifying external funding sources, further facilitating their research pursuits. The Institutional Research Committee plays a pivotal role in upholding research standards and offering guidance to researchers. Comprising key stakeholders like the Principal and eminent professors, this committee convenes regularly to review research proposals and ensure compliance with regulatory requirements.

The college has invested in state-of-the-art research facilities, including specialized centers like the Center of Excellence in Alternative Energy and Environmental Studies. Moreover, cutting-edge laboratories such as the Automation Laboratory and the Augmented Reality-Virtual Reality (AR-VR) research setup provide students and faculty with the necessary infrastructure to pursue innovative projects collaboratively.

| File Description | Documents |
|--|---|
| Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | View File |
| Provide URL of policy document on promotion of research uploaded on the website | https://gct.ac.in/sites/gct.ac.in/files/Research%20policy_1.pdf |
| Any additional information | No File Uploaded |

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

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

0.132

| File Description | Documents |
|---|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money | View File |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | View File |
| List of teachers receiving grant and details of grant received | View File |
| Any additional information | No File Uploaded |

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

2

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

3.2 - Resource Mobilization for Research

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

78

| File Description | Documents |
|--|---------------------------|
| e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations | View File |
| List of projects and grant details | View File |
| Any additional information | No File Uploaded |

3.2.2 - Number of teachers having research projects during the year

3

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

36

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

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

3

| File Description | Documents |
|---|---------------------------|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | Nil |
| Any additional information | No File Uploaded |

3.3 - Innovation Ecosystem

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

The academic curriculum at GCT is designed independently under an autonomous system to promote innovation, and critical thinking and to meet the needs of the industry. It goes beyond traditional teaching methods and encourages students to engage in interdisciplinary learning. This approach nurtures a holistic understanding of subjects, fostering a mindset open to cross-disciplinary collaboration and innovative problem-solving. Moreover,

the college has modern laboratories, cutting-edge technology, and resources that empower students to explore their ideas and turn them into tangible innovations

Innovation Hubs - GCT has established innovation hubs and incubators within its campus, providing a physical space for students to work on their projects. The availability of mentorship from experienced faculty members and industry experts within these hubs further enhances the support system for budding innovators.

The knowledge system - The knowledge system in college has evolved significantly in recent years, with a growing emphasis on digital platforms and e-learning resources. This transformation has been driven by the increasing need for flexibility, accessibility, and efficiency in education. Several key components contribute to the modern knowledge system in our college, including e-learning courses, NPTEL (National Programme on Technology Enhanced Learning), LMS (Learning Management System), and GATE (Graduate Aptitude Test in Engineering).

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://gct.ac.in/tncst-sponsored-workshop-procedural-steps-involved-patent-filing-and-challenges-during-3 |

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

5

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

3.4 - Research Publications and Awards

| | |
|--|----------------------------|
| 3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research | A. All of the above |
|--|----------------------------|

**Advisory Committee Ethics Committee
Inclusion of Research Ethics in the research
methodology course work Plagiarism check
through authenticated software**

| File Description | Documents |
|--|---------------------------|
| Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check | View File |
| Any additional information | No File Uploaded |

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

2

| File Description | Documents |
|--|---|
| URL to the research page on HEI website | https://gct.ac.in/sites/gct.ac.in/files/3.4.2.%20Number%20of%20candidates%20registered%20for%20Ph.D%20during%20the%20last%205%20years-%20letter%20from%20university%20high%20resolution%20(1).pdf |
| List of PhD scholars and details like name of the guide, title of thesis, and year of registration | View File |
| Any additional information | No File Uploaded |

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

101

| File Description | Documents |
|---|---------------------------|
| List of research papers by title, author, department, and year of publication | View File |
| Any additional information | No File Uploaded |

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

6

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year**

147

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

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year**

5

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

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

130.7

| File Description | Documents |
|--|---------------------------|
| Audited statements of accounts indicating the revenue generated through consultancy and corporate training | View File |
| List of consultants and revenue generated by them | No File Uploaded |
| Any additional information | No File Uploaded |

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

0

| File Description | Documents |
|---|---------------------------|
| Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy | View File |
| List of training programmes, teachers and staff trained for undertaking consultancy | No File Uploaded |
| List of facilities and staff available for undertaking consultancy | No File Uploaded |
| Any additional information | No File Uploaded |

3.6 - Extension Activities

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

GCT is organizing and participating in various extension activities and outreach program to promote the Institute-Neighbourhood community to sensitize the students towards community needs. Committee team members inculcate this awareness through various program like Cleanliness, Green environment & tree plantation, Anti-drug awareness campaign, Blood donation camps, Women Empowerment activities, etc.

Green club of GCT, has organised an awareness talk on BAN Single use plastics on 09.01.2024 in order to create an awareness among the students about the harmfulness to the earth and issues faced by us

through the usage of single use plastics. It has conducted two days national level symposium called Prakriti 24 on 13.03.2024 and 14.03.2024. Students from corporation p kamalanathan memorial higher secondary school , Coimbatore were participated. The Trees and plants in our institution were protected and maintained on regular basis by our green club members.

NCC unit -organizes various extension activities as blood donation, etc. It aims at developing qualities of leadership, patriotism, maintaining discipline, character building, spirit of adventure and the ideal of self service. The Government College of Technology is committed to social and national responsibilities; bearing this in mind, NCC Signal Coy for boys has been raised.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/1RjH8koPiazOGuTrAi40EHK3xlzZSZJrn/view?usp=sharing |

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

7

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

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

31

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

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

3230

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

3.7 - Collaboration

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

18

| File Description | Documents |
|--|---------------------------|
| Copies of documents highlighting collaboration | View File |
| Any additional information | No File Uploaded |

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

7

| File Description | Documents |
|---|---------------------------|
| e-copies of the MoUs with institution/ industry/ corporate house | View File |
| Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year | View File |
| Any additional information | No File Uploaded |

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The College is situated on 45 hectares of lush green campus. The state-of-the-art infrastructure augments learning and promotes a good teaching-learning environment. A total of 78 classrooms, 4 drawing halls, 73 laboratories, a common workshop, a central library, 2 auditoriums with audio-video facilities, 4 Skill development centers, and at least one seminar hall for all programs are available on the campus. Separate computing centers, project labs, research laboratories, and industry-sponsored laboratories are available for the benefit of students. In addition to the regular practical courses, the laboratory facilities are used for research activities and consultancy services that add to the institute's Internal Revenue Generation (IRG). Two centers of Excellence namely the Centre of Excellence for Environmental Studies and the Centre of Excellence for Alternate Energy are established on the campus under the TEQIP fund. Every department has computer laboratories for conducting practical classes, online examinations, aptitude tests, and banking examinations. Whenever an additional course is started or curriculum needs arise, it is ensured that the required physical infrastructure is available on time. Common drawing halls are available for students to conduct semester examinations.

The college has ICT-enabled classrooms where the provision of multimedia learning, Wi-fi connectivity, and internet access are available. The classrooms and seminar halls have provisions of smart boards/Digital boards including LCD projectors for the effective teaching-learning process.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

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

The college has a playground of 46,816 sq.m. The ground has many sports facilities like a tennis court, basketball court, volleyball court, football court, etc. Apart from outdoor games, the college has facilities for indoor games such as table tennis, carom, chess, etc. The college has a well-equipped gym with facilities that help in doing physical exercises and fitness. Physical directress is

available to train and encourage the students to participate in various zonal, Inter-university level, state level, and National level games and tournaments. A separate yoga center is available to conduct yoga programs.

To encourage extra-curricular activities among students, the college has Orchestra facilities with good sound systems, music, and lighting systems. The college has many clubs such as Tamil Mandram, Literary and Debating Society, Fine Arts Club, Rotaract Club, Youth Red Cross, NCC, NSS, Red Ribbon Club, Robotics Club, Students Research Foundation, and Student Journalist Council. Students organize various activities under these clubs. For example, in Tamil Mandrum, the students regularly organize cultural festivals Sangamam and Muthamizh Vizha. Every year an art exhibition is conducted to allow the students to express their skills in the form of art.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Geotagged pictures | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

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

91

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

1191.36

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

4.2 - Library as a Learning Resource

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

GCT Library has a huge collection of books & Journals fulfilling the academic needs of the students and the faculty members. The library boasts excellent facilities and it serves as a place for quiet reading, group collaboration, individual research and recreational reading. It is an essential component of the institute's outstanding research and education mission. It is a most lively place on the campus providing a safe, comfortable and friendly environment that enables learning and advancement of knowledge, and promotes discovery and scholarship.

Resources

Numbers

Books & eBooks

100628 & 352

CD & Videos

1715

Bound Volumes of Journals

41935

Reports/Standards

8871 (ISI)

Total Collection

153935

Current Journals on Subscription (Hard Copy)

Nil

e-Journals

Springer 3 Subject Collection 441 Nos.

IEEE Tier 3 - 204 Nos.

Software

Turnitin Plagiarism software

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

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

C. Any 2 of the above

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

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

16.27316

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

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

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

30

| File Description | Documents |
|--|---------------------------|
| Upload details of library usage by teachers and students | View File |
| Any additional information | No File Uploaded |

4.3 - IT Infrastructure

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

The institute has a 24X7 WiFi facility in the college campus for the student and faculty members to avail internet connection at any place in the college & hostel. The Institute has Wi-Fi facility to students at both hostels as well as in campus. 1Gbps NKN internet connectivity, 8 Mbps leased line connectivity and 40 Mbps VPNOBB (VPN over broadband) internet connectivity through single fiber under NMEICT is available for carrying out research works and project works.

The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, up/down loading of web based application, besides helping them in preparing projects & seminars. Also the institute is using fortigate 600C with fortianalyzer firewall to prevent illegal access of internet.

IT infrastructure and Security Policy: This policy outlines the standards for managing IT infrastructure and ensuring the security of systems, data and networks at Government College of Technology. The policy aims to promote efficient IT operations, protect sensitive information, and mitigate risks. This policy applies to all IT

resources , staff , students , faculty , Departments using the college's IT infrastructure .

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 3085 | 1042 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

| File Description | Documents |
|---|---------------------------|
| Details of bandwidth available in the Institution | View File |
| Upload any additional information | No File Uploaded |

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

C. Any two of the above

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |
| List of facilities for e-content development (Data Template) | View File |

4.4 - Maintenance of Campus Infrastructure

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

89.46

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

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

The Board of Studies, Board of Governance, and Programme Advisory Committee assist in framing the curriculum and syllabi. The department has monthly class committee meetings. Department Heads allocate the professors to maintain classrooms, labs, seminar halls, computer centers, and furnishings. All departments have stock registries. Regular civil and Electrical works is done by PWD Technical Education. After the Directorate of Technical Education approval, the Institution has maintenance rules and processes.

The institution has well-established, industry-supported facilities for academic and research. All students use labs for practical lessons and projects. Laboratory logbooks capture student equipment use. Each lab's technical staff maintains equipment and log books

The college library has books, journals, e-journals, code books, periodicals, articles, and more to help students utilize it. Every book has an accession number for easy tracking. Teaching faculty is nominated as library officers in charge of administering library operations, including purchases. A committee led by the

institution's head verifies stock register entries. The library tracks daily users and keeps entry and exit registers.

Each department contains a programming lab computer center. All computer centers monitor users with separate entry registers. Software and placement training supplement academics. Technical workers maintain computers for troubleshooting.

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

2011

| File Description | Documents |
|---|---------------------------|
| Upload self-attested letters with the list of students receiving scholarships | View File |
| Upload any additional information | No File Uploaded |

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

566

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Institutional data in prescribed format | View File |

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities
Soft Skills
Language and Communication Skills
Life

B. Any 3 of the above

Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

| File Description | Documents |
|---|---|
| Link to Institutional website | https://gct.ac.in/sites/gct.ac.in/files/2025-01/5.1.3%20Capacity%20and%20Skill%20Development%20Activities%202023-24.pdf |
| Details of capability development and schemes | View File |
| Any additional information | No File Uploaded |

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

442

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template) | View File |

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

328

| File Description | Documents |
|---------------------------------------|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | View File |

5.2.2 - Number of outgoing students progressing to higher education

20

| File Description | Documents |
|---|---------------------------|
| Upload supporting data for students/alumni | View File |
| Details of students who went for higher education | View File |
| Any additional information | No File Uploaded |

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

103

| File Description | Documents |
|--|---------------------------|
| Upload supporting data for students/alumni | View File |
| Any additional information | View File |

5.3 - Student Participation and Activities

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

34

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

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

Students actively participate and present their views in various committees/clubs/teams like academic council, Board of Studies, Hostel & Class committee meetings etc. Board of studies committee is instrumental in framing and revising the curriculum and syllabus.

Student Journalist Council (SJC) is the official student media body of GCT. It also publishes the quarterly student newsletter Aperture. The newsletter can be viewed from www.gct.ac.in/aperture.

Student research foundation (SRF) collectively analyzes the student ideas. Innovative ideas are given funds and technical guidance to develop them into products and solutions.

Students are the active members in anti-ragging committee to monitor and ensure the campus is free from any ragging related activities.

Students in each department have their own association committee. Committees are represented by general secretaries and joint secretaries. Association committees organizes intra, inter college technical events and National Level Symposium. Students also have committees in the hostel to coordinate and oversee the facility made available to the students in the hostel.

Manavarmandram is organizing various student activities during every

year for students namely, Village dance, silent drama, Villu pattu etc., these activities are conducted for revealing the tradition and creativity of the students. In this, they are conducting solo events and group events.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

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

86

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| List of sports and cultural events / competitions organised per year | View File |
| Upload any additional information | No File Uploaded |

5.4 - Alumni Engagement

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

Our Alumni association GCTAA involved in many activities which includes:

1. **Networking:** gSARC (GCT Student Alumni Relationship Cell) is an initiative to revitalize relationships between the institution and the alumni across time, geography and interests
2. **Professional Development:** gPAC is the umbrella program under which multiple placement and career development initiatives are organized.
3. **Mentoring Opportunities:** Through 3 month duration Student Mentorship Program, a personal coach from the alumni community is rendered to groom a GCT Student(s) to face the real world
4. **Scholarships:** Every year through GCTAA needy students are sponsored for their entire college period
5. **Alumni Directories:** <https://www.gctalumni.org.in/dir.dz> is an online platform that helps to search alumni by name, company, country state and city and connect with fellow graduates facilitating collaboration among alumni.

6. **Communication and Publications:** Associations keep alumni informed about institutional updates, achievements, and alumni-related news through <https://www.gctalumni.org.in/newsroom.dz>. Annual Bulletin released from GCTAA covers the report of activity of association for the year
7. **Internship Support:** STEP UP is one of the major initiatives that's being driven, enabling students to apply for both internships and full time roles in start-ups.
8. **Youtube channel:** Through Great Conversations & Talks in GCT Coimbatore (<https://www.youtube.com/@gctcbe/playlists>) youtube channel, alumni share their knowledge and experience with the students

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision of the Institute

To emerge as a centre of excellence and eminence by imparting futuristic technical education in keeping with global standards, making our students technologically competent and ethically strong so that they can readily contribute to the rapid advancement of society and mankind.

Mission of the Institute

- To achieve academic excellence through innovative teaching and learning practices.

- To enhance employability and entrepreneurship.
- To improve the research competence to address societal needs.
- To inculcate a culture that supports and reinforces ethical, professional behaviours for a harmonious and prosperous society.

The institution follows a democratic and participatory mode of governance with all stakeholders participating actively in its administration to deliver value based and advance education which bring significant benefits to the society. The governing board comprises of distinguished administrators, academicians and faculty representatives. The Governing Body delegates authority to the Principal who, in turn share it with the different levels of functionaries in the college. The Heads of Departments, the Conveners of various committees and section in-charges play significant role in framing the institutional policies and implementing the same. Institute strike a balance between compliance with regulatory matters and keeping a strong pulse on improving the college's performance along with long term sustainability by forming a strategic direction towards Centre of excellence.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://gct.ac.in/governing-council |

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

Empowering faculty centred practices:

Heads of the departments are empowered to prepare budget for their departments with the concerned faculty members of the departments and lab in-charges. A departmental level committee has been constituted to review the requirement of purchasing of equipment for laboratories, research and for regular maintenance activities. Purchase Committee is formed to check the overall specifications of the equipment before placing it for approval process. Faculty members are given full freedom to organize various programs and to participate in programmes organized by different organizations. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given full rights to arrange industrial visits relevant to their courses and to have tie up with industrial experts.

Participation of Teachers in Decision-Making Bodies:

Teachers discharge an important role in implementing the vision and mission of the college and department by being the members of various governing bodies and in implementing the policies. Teachers are members and conveners of various committees that are instituted for the day-to-day functioning of the college. Some of these committees are Academic Council, Examination Committee, Admission Committee, R&D committee, etc. Teachers also discharge driving pervasive role as motivators for cultural and socially conscious activities in the institution by steering the NCC unit, NSS unit, Rotaract club, Women Empowerment cell, etc.

| File Description | Documents |
|---|---|
| Upload strategic plan and deployment documents on the website | View File |
| Upload any additional information | View File |
| Paste link for additional Information | https://gct.ac.in/62/rotaract-club |

6.2 - Strategy Development and Deployment

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

Strategic / Perspective plan:

1. To enrich curriculum
2. To incorporate digital platform and industry supported laboratories to improve teaching-learning process
3. To encourage research and consultancy
4. To enhance faculty and staff competency
5. To strengthen Student support, Outreach and Placement activities through alumni engagement. industry-institute interaction and entrepreneurship activities.

Curriculum Design & Development:

The curriculum has been revised following the guidelines of the AICTE model curriculum. More emphasis is given to employment enhancement and skill development courses in the 2018A and 2022 Regulations, with a greater number of subjects in the Professional Elective and Open Elective categories. It has been insisted upon to include the design of components/structures as the mini project.

Feedback from Alumni, Industrial Experts, Subject experts from other Premier Institutions, and student stakeholders has also been considered and incorporated into the syllabus. Industry-based electives have been incorporated into the new curriculum.

Teaching and Learning:

Online courses like NPTEL, Swayam etc., are helpful for enhancing the Teaching and learning process. Additionally, Smart Classroom Teaching, utilization of IoT tools and industry supported laboratories are being adopted.

Examination and Evaluation:

There is complete transparency in the examination system. Almost all subjects provide a detailed key obtained from the question paper setter, which is then given to the examiner during the evaluation process. Furthermore, students are given the opportunity to review their evaluated answer sheets immediately after the publication of results. If they are not satisfied with the evaluation, they can apply for reevaluation.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://gct.ac.in/sites/gct.ac.in/files/Research%20policy_1.pdf |
| Upload any additional information | View File |

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

The institution has a well marked administrative set up conforming to the norms of the AICTE and the UGC. The key components of organizational structure of the institution are Board of Governance, Principal, Head of the Departments, faculty members, Non-teaching staff and Administrative staff. It reviews the institutional strategic plan which in turn sets the academic aims and objectives of the institution and approves the financial and curriculum requirements. The organizational structure lends itself to sustaining institutional capacity and educational effectiveness through the involvement of external members in various Committees/Boards. Various stakeholders of the institute are members of

different committees constituted by the institution. The decision-making procedures are made at appropriate levels in the organizational hierarchy.

There are various committees with well-defined functions that give academic and administrative leadership to the institution. A committee comprising of administrative staff and faculty members are involved in the planning and implementation, academic audit and evaluation. An optimum level of decentralization is in practice through the autonomous flexibility to the departments and participative decision-making process.

Service rules, procedures, recruitment, and promotional policies:

Service rules and procedures are as defined by the State Government of Tamil Nadu. Recruitment is done by the Teachers Recruitment Board. All Promotional polices are based on the UGC 7th pay commission. Government Orders related to service rules, procedures, recruitment, and promotional policies are available in the website (www.tn.gov.in).

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | https://gct.ac.in/organization-structure |
| Upload any additional information | View File |
| Paste link for additional Information | https://gct.ac.in/service-rules |

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

Teaching Staff

- Staff Quarters for Teaching faculty
- General Provident Fund
- Medical and Maternity Leave
- Medical Insurance
- Gratuity
- Scheme of Pensions and Compensatory Pension Scheme

Non teaching Staff

- Staff Quarters for Non Teaching faculty
- General Provident Fund
- Medical and Maternity Leave
- Medical Insurance
- Gratuity
- Scheme of Pensions and Compensatory Pension Scheme

In addition to the above,

Faculty members are provided with Individual cabin and system to facilitate good ambience.

Internet and free Wi-Fi facilities are also available in campus for Faculty members and Non teaching staff

Teaching and Non-Teaching Staff Club organizes tour, and sports activities for the staff.

Faculty development programs (FDP) are organized for faculty members on regular basis Skill development courses are organized for non-teaching staff to enhance their skills in work environment.

Faculty members and non teaching staff are also encouraged to participate in Faculty development programs (FDP) and Skill development courses organized in other institutions.

Sponsorships to attend and present papers in conferences both in India as well as abroad are also provided.

Women Empowerment Cell is established for creating venues for women

members to flourish and gain momentum. In a nutshell, the Institution strives hard to keep our staff happy and healthy.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://gct.ac.in/forms-govt-staff#overlay-context=milestones |

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

28

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

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

7

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

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

86

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal and external financial audits have been conducted regularly, accompanied by a mechanism to address audit objections. These audits aim to ensure transparency and accountability in financial matters. One such audit process involves the formation of a financial committee, similar to the purchase committee, which is responsible for allocating funds for different activities. The financial committee then presents its allocation proposals to the Governing Council for approval. At the conclusion of each financial year, the accounts undergo an external audit conducted by an auditor appointed by the Directorate of Technical Education (DOTE). The audit findings are compiled into a final audited report, which is subsequently submitted to the DOTE. The external audit encompasses a comprehensive scrutiny and verification of various aspects, including:

1. Review of operating expenses: This involves a thorough examination of expenditures incurred, such as purchase order processing, goods receipt, and invoice verification.
2. Annual stock verification: The audit entails the verification of stock registers to ensure accurate maintenance of stock records.
3. Verification of fee receipts: The audit examines various fee categories, including tuition fees, examination fees, hostel fees, and other sources of income. This process ensures that all fee collections are properly accounted.
4. Review of salary bills: The audit assesses the salary bills of administrative, non-teaching, and teaching staff. It ensures the accuracy of payroll processing and compliance with relevant regulations.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://gct.ac.in/audited-statements-0 |

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

21.945

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

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

Since it is a State Government Institution, the main sources of funds are student fees and Grant in aid from State Government as per budgetary allocations. However for meeting the upcoming requirements for research and teaching learning resources, the Institution also mobilizes its resources through:

- Overhead charges from the research grants received from various government and non- government agencies.
- Consultancy works

Funds received from State government are spent on payment of salary of teaching, non-teaching and administrative staff of the institution. Budget of the Institution is prepared keeping in mind developmental activities of the institution; accordingly provisions are made in the Budget, which is ultimately approved by State government, and then fund is sanctioned, which is deployed on different Heads of Expenditures in accordance with approval of various statutory committees constituted by the Institution time to time for efficient use of funds/grants received from government. The Institution follows cent percent transparency in use of funds.

Fund generated from above are principally used for maintenance and development of the Institution and students.

Optimum utilization of funds is ensured through:

- Adequate funds are allocated for effective teaching-learning practices.
- Budget is utilized to meet day to day operational and administrative expenses and maintenance of fixed assets.
- Enhancement of library facilities needs to augment learning practices and accordingly requisite funds are utilized every year.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://gct.ac.in/bog-minutes |

6.5 - Internal Quality Assurance System

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

IQAC works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new self-finance courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback. The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives:

Strategic planning of key areas and assigning responsibilities -

1. Preparation and adherence of Academic Calendar
2. Academic results
3. Student industrial training

4. Student soft skills development
5. Placement support
6. Faculty development programs
7. Research and development
8. Interaction with industry
9. NBA accreditation

Monitoring and mentoring of academic and administrative activities. Academic inspections are carried out periodically to assess the quality of academics. The inspections involve:

1. Review of healthy academic practices
2. Mechanisms to identify and reform academic practices
3. Review of departmental facilities
4. Facilitate implementation of innovative methods in the departments
5. Self-development of faculty members

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://gct.ac.in/minutes |

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

Academic Audit:

Academic audits are conducted once a year, comprising one internal audit and one external audit each semester, to enhance the quality of the program. The academic audits are conducted according to ISO standards and evaluated. A detailed audit was conducted on curriculum and development, student aspects, teaching-learning evaluation processes, and faculty academic improvement programs. The

internal audit committee consists of four members for the undergraduate (UG) program and three members for the postgraduate (PG) program.

Teaching-learning reforms:

The use of ICT tools has become an integral part of the teaching-learning process. The IQAC always encourages teachers to utilize these tools in academics and laboratories. Periodically, the IQAC provides training to teachers and non-teaching staff on the use of ICT tools, such as Google Classroom, video lecture preparation, video conferencing, email usage, and handling ICT instruments, through various workshops. The educational use of social media has also been employed to establish communication with students and peers. In teaching and learning, a feedback system is implemented to review the reliability and use of ICT facilities.

Coaching classes for students have been held to encourage enrolment in GATE exams. Students are permitted to credit online courses registered through SWAYAM instead of professional/open elective courses, with the approval of the Board of Studies through the Department Consultative Committee.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://gct.ac.in/audit_form |

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

A. Any 4 or all of the above

| File Description | Documents |
|--|---|
| Paste the web link of annual reports of the Institution | https://gct.ac.in/agar-report |
| Upload e-copies of accreditations and certification | View File |
| Upload details of quality assurance initiatives of the institution | View File |
| Upload any additional information | View File |

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

As part of the curriculum, courses on Values and Ethics, Women and Health, Gender Development and Globalization, Women Rights in India address issues related to Women. As part of these courses, students learn about issues related to Women's Health in India, sexual health, the prevention and impact of premarital pregnancy, and sexually transmitted diseases.

At our institution, Exclusive common room available for the convenience of girl students and women faculty members. These rooms offer a dedicated space where they find comfort and respite during periods of illness or discomfort.

NCC provides a valuable platform for female students to learn important life skills such as leadership, discipline, and teamwork while also participating in significant community service and patriotic activities. Girls are actively participated in NCC, to enhance their personal development and also promotes gender equality. These girls are inspiring others and contributing to a more open and progressive society by challenging traditional gender stereotypes.

The institution ensures that women participate in all activities. 64% of women faculty are key administrators in various administration activities like Head of the Department, Club In-charge, Controller of Examinations, Library In-charge, etc.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |

| | |
|---|-------------------------------------|
| 7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment | A. Any 4 or All of the above |
|---|-------------------------------------|

| File Description | Documents |
|--------------------------------|---------------------------|
| Geotagged Photographs | View File |
| Any other relevant information | No File Uploaded |

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

Liquid waste management:

The liquid waste produced from various sources like Hostels, offices and various departments are collected and conveyed to public drains. Waste stabilization pond is also provided in the campus for the storage and stabilization of wastewater produced from these sources.

Solid waste Management:

The organic fraction of solid waste like kitchen waste and food waste produced from hostel mess and canteen have been managed by vermi composting and organic waste composter. The manure produced from composting is packed and stored. The stored manures are used for the gardens and plantations in the campus. The paper wastes hostels, office and departments are segregated and disposed through local recyclers

Air Pollution Monitoring:

The ambient air quality inside the campus is monitored periodically. The pollutants namely particulate matters, SO₂ and NO₂ are monitored and checked with ambient air quality standards. The indoor air quality also monitored by air quality monitoring equipment's available in the Department of Environmental Engineering

Biomedical waste management

Management and Disposal of Biological Waste

The biological waste such as Petri dishes, culture tubes, syringes, needles, vials, pipette tips are autoclaved at 121 with 15psi pressure and the liquid wastes are disposed via the laboratory sink. The chemical wastes are segregated, labelled and sent to landfills or thermally treated and discharged via Sewer system. The non-biological wastes such as agarose gel containing non-hazardous materials are discarded properly through landfills and the plastic wastes such hand gloves are disposed in a designated waste container.

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | No File Uploaded |
| Geotagged photographs of the facilities | View File |
| Any other relevant information | No File Uploaded |

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

B. Any 3 of the above

| File Description | Documents |
|--|---------------------------|
| Geotagged photographs / videos of the facilities | View File |
| Any other relevant information | No File Uploaded |

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**

B. Any 3 of the above

**4. Ban on use of plastic
5. Landscaping**

| File Description | Documents |
|--|---------------------------|
| Geotagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | No File Uploaded |
| Any other relevant documents | No File Uploaded |

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**

B. Any 3 of the above

| 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 | No File Uploaded |
| Any other relevant information | View File |

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-

A. Any 4 or all of the above

reading software, mechanized equipment, etc.
Provision for enquiry and information:
Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

| File Description | Documents |
|--|---------------------------|
| Geotagged photographs / videos of facilities | View File |
| Policy documents and brochures on the support to be provided | No File Uploaded |
| Details of the software procured for providing assistance | No File Uploaded |
| Any other relevant information | View File |

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

The institution has been endeavoring to create an inclusive environment through various initiatives apart from curricular aspects. The Curriculum has been revised with the inclusion of Professional ethics and mandatory courses like Constitution of India and Environmental Science and engineering. These courses create awareness of the importance of living in harmony with each other and with the environment, act responsibly with ethics towards communal and socio economic diversities of the nation.

Government College of Technology has the repute of nurturing endurance and peace among the students through various activities conducted throughout the year by the Youth Red Cross, Green Club, National Service Scheme, National Cadet Corps, Rotoract Club, etc. Different programs and activities conducted throughout the academic year help students develop mutual understanding and it creates a harmonious environment.

To build a nation with Young technocrats who are noble in their attitude and morally responsible, the institute organized and conducted a several activities to build and promote an environment for ethical and cultural values among the faculty members and students.

Every year the faculty members, staff and students jointly celebrate the cultural and regional festivals, like teacher's day, Induction program, oath, plantation, Youth Day, Women's day, Yoga day,

festivals like Pongal celebration, etc are performed in the campus.

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

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

At GCT, we believe in providing holistic all round education to the students and sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means.

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. The students of GCT of all branches study constitution of India as a compulsory paper which sensitizes the students about constitutional obligations. As a part of strengthening the democratic values, all students take a course on Environmental science in their curriculum which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc. In addition to this many regular programs are conducted by Women empowerment cell of the institute to educate women about their rights. Also seminars and workshops are conducted on days of national importance on various rights, duties and responsibilities of citizen. Seminars on topics like Right to Information, Sexual Harassment are conducted periodically. Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution.

| File Description | Documents |
|---|---------------------------|
| Details of activities that inculcate values necessary to transform students into responsible citizens | View File |
| Any other relevant information | No File Uploaded |

7.1.10 - The institution has a prescribed code

C. Any 2 of the above

of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

| File Description | Documents |
|--|---------------------------|
| Code of Ethics - policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims | No File Uploaded |
| Any other relevant information | No File Uploaded |

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

The institution celebrates National, International and Commemorative days every year. The celebration of these activities such as important events, commemorative days, festivals promote moral values in the students. It also helps in spreading and maintaining communal harmony. Festivals such as Pongal to give due respect to the sun god, ayudha Pooja are celebrated every year to honour the lordess Saraswathi. National days like Republic day and Independence day are celebrated for the remembrance of our national leaders and to honour our freedom fighters. The emotional and religious feelings among the students and the faculty are developed by celebrating commemorative days on the campus to create the sense of oneness and social harmony.

| File Description | Documents |
|--|---------------------------|
| Annual report of the celebrations and commemorative events for during the year | View File |
| Geotagged photographs of some of the events | View File |
| Any other relevant information | No File Uploaded |

7.2 - Best Practices

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

1. Earn While Learn

Evidence of Success

- In the year 2023-24, the amount of Rs.95,19,452/- (Rupees Ninety Five Lakh Nineteen Thousand Four Hundred and Fifty Two Only has been generated as IRG through consultancy services from various organizations like government, quasi government. The details of the consultancy amount per year is shown in the below graph.

2. Experiential Learning and Practical Approach in Teaching Learning Process

Evidence of Success:

- The total numbers of students from different engineering disciplines were involved in the SAE- Alfakarters activities shown below are one of the evidence of success.

S. No.

Type of Activity

Academic Year

No of Students involved in Project

1

SAE- Alfakarters

2023-2024

17

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://gct.ac.in/sites/gct.ac.in/files/Best%20practices%202023-24.doc |
| Any other relevant information | Nil |

7.3 - Institutional Distinctiveness

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

The Institution's priority and thrust is to provide value based education to uplift the first generation learners, rural and socio-economically backward students at affordable cost with knowledge and skills.

The Institution has strong Alumni support. Alumni association extend help in all aspects like financial support, interaction with industry, offering internship and placement assistance. A special Initiative of gSARC(GCT student alumni relationship cell is in operation to Build a Strong Alumni Database and Strengthen relationship between Institution <> Students <> Alumni. The key objectives are GCT talks, Brand development, mentorship program (Personal coach from Alumni for passionate students), Great Conversations and Talks (Industry experts, mentors and leaders from across time zones assembling their rich experience and animated ideas) Startup Community Recruitment

Merit scholarship is provided for the top 2rankstudents (Approximately 73 students from every year and branch) were awarded tuition fee assistance based on academic performance (class toppers, up to the previous semester).

340 deserving students across various years and branches of study, providing them with financial assistance of Rs 7500 each. This

contribution, directly credited to their hostel accounts, will cover about three months of mess expenses, significantly easing their financial burden. Also 20 students are provided with full fee assistance of Rs. 50, 0000/- per year till their four year completion of study.

| File Description | Documents |
|---|---------------------------|
| Appropriate link in the institutional website | Nil |
| Any other relevant information | View File |

7.3.2 - Plan of action for the next academic year

Academic Excellence

:

- Conduct regular feedback sessions with stakeholders (students, alumni, industry and experts) to update and improve the syllabus.
- Organize workshops and training programs for faculty on new teaching methodologies and emerging technologies.
- Strengthen industry collaborations for internships, guest lectures, other academic activities and real time projects.
- Implement a structured student mentoring system for academic and career guidance.
- Enhance the adoption of OBE by designing rubrics to measure course outcomes and program outcomes effectively.

Research and Development

:

- Encourage faculty and students to apply for national/international research grants.
- Set goals for high-impact publications in reputed journals and conferences.
- Establish incubation centres to promote start-ups and entrepreneurship.
- Promote research collaboration across various engineering disciplines.
- Support faculty and students in filing patents for innovative ideas and projects.

Infrastructure Development

:

- Upgrade classrooms with smart boards, projectors, and Wi-Fi for enhanced teaching.
- Modernize labs with the latest equipment aligned with industry standards.
- Add e-resources like e-books, journals, and digital databases for remote access.

Student Development

:

- Organize regular skill development programs, soft skills workshops and certification courses.
- Conduct placement training for Students.
- Encourage participation in technical fests, Hackathon, and cultural events.
- Collaborate with organizations to organize entrepreneurship awareness drives and competitions.
- Provide counselling services and conduct yoga/fitness sessions for physical and mental well-being.

Governance and Quality Initiatives

:

- Review and revise institutional policies to align with NAAC/NBA accreditation criteria.
- Conduct regular academic and administrative audits to ensure transparency and quality assurance.
- Strengthen alumni networks for resource sharing, mentoring, and collaborative projects.

