



YEARLY STATUS REPORT - 2022-2023

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 | |
| • 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 | |

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|---|---|----------------|-----------------------------|---------------|-------------|
| • 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%202021-22.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/sites/gct.ac.in/files/Calendar-2022-23_0.pdf | | | | |
| 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 |
| 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 .P. Maruthu pandi/EEE/GCT | Student Project scheme | TNSCST | 01/03/2022 | 7500 | |
| Dr .S. Chitra/EEE/GCT | Student Project scheme | TNSCST | 01/03/2022 | 7500 | |
| Dr .P. Maruthu pandi/EEE/GCT | Student Project scheme | TNSCST | 01/03/2022 | 7500 | |
| Prof .P. Andav | Training | TN-Higher | 01/09/2022 | 15000 | |

| | | | | |
|-----------------------------------|---|--|------------|-------|
| ar/CIVIL/GCT | | Education DOTE | | |
| GCT/Industrial Biotechnology | Students Project Scheme | TNSCST | 09/12/2022 | 7500 |
| Dr.S.Chithra /GCT | International Best Researcher Award | International Society for Scientific Network Awards | 11/03/2022 | Award |
| Dr.P.Maruthu pandi/EEE/GC T | International Best Scientist Award | RED talks International Academic | 28/02/2022 | Award |
| Dr. R. Rajes hwari/GCT | Certificate of Excellenc e-Distinguis hed fellow | International Foundation for Entreper neurship Development (NFED) | 09/05/2022 | Award |
| Dr.M.C.Ravat hi/Civil/GCT | Outstanding Doctoral Thesis | Ultratech & ICI | 22/02/2023 | Award |
| Dr.R.Chithra /Civil/GCT | Outstanding Guide | Ultratech & ICI | 22/02/2023 | Award |

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 | 3 | |
| <ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? | Yes | |
| <ul style="list-style-type: none"> If No, please upload the minutes of the | No File Uploaded | |

| | | |
|--|---|--|
| meeting(s) and Action Taken Report | | |
| 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">Encourage the students from all fields to engage in internship programmes to improve industrial interaction. | | |
| <ul style="list-style-type: none">Regular interval meetings conducted with team heads to collect the data and to improve the quality of institution. | | |
| <ul style="list-style-type: none">Faculty members motivated and guide the students to attend workshops, seminars and industrial visits to help them comprehend and develop their expertise in the related fields and also to update the skills of faculty members. | | |
| <ul style="list-style-type: none">Skill development training, Entrepreneurship and career awareness programs are organized by the placement cell. | | |
| 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">Curriculum design and EnhancementArrangements for more number of Field/ Industrial Visits | <ul style="list-style-type: none">Curriculum design and update the curriculum to meet current industry needs.Incorporate feedback from stakeholders, including students and employers. | |
| <ul style="list-style-type: none">Community OutreachProvide Learning outcomes and objectives for both educators and learners | <ul style="list-style-type: none">Establish community engagement and social responsibility.Implement outreach programs and community service initiatives. | |
| <ul style="list-style-type: none">Improved Academic PerformanceConduction of workshops/ seminars on Research Methodology | <ul style="list-style-type: none">Increased pass percentage rates and academic achievements.Higher student satisfaction scores in feedback surveys. | |
| <ul style="list-style-type: none">Enhanced Faculty CompetenceImplement regular feedback | <ul style="list-style-type: none">Faculty members equipped with updated skills and knowledge. | |

| | |
|---|--|
| survey together student opinion about courses and Teaching Method. | Increased faculty participation in research and professional development. |
| <ul style="list-style-type: none"> • Faculty Development • Increasing more number of Publications/ Patents in indexed journals. | <ul style="list-style-type: none"> • Organize workshops and training programs for faculty members. • Encourage faculty to pursue higher education and research activities. |
| <ul style="list-style-type: none"> • Student Feedback and Engagement • Remedial classes for slow learners. | <ul style="list-style-type: none"> • Implement mechanisms for regular student feedback on teaching and infrastructure. • Promote student engagement through clubs, events, and extracurricular activities. |
| <ul style="list-style-type: none"> • Accreditation and Rankings • Upgradation and Practice in the digital library | <ul style="list-style-type: none"> • Work towards obtaining accreditation from relevant accrediting bodies. • Strive to improve institutional rankings. |
| <ul style="list-style-type: none"> • Self-Assessment and Benchmarking • Submitting proposals to the government for infrastructure development | <ul style="list-style-type: none"> • Conduct a comprehensive self-assessment of the institution's strengths and weaknesses. • Benchmark against national and international quality standards. |
| <ul style="list-style-type: none"> • Curriculum Review and Enhancement • Enhancing skills of the students by providing Hands on Training. | <ul style="list-style-type: none"> • Review and update the curriculum to meet current industry needs. • Incorporate feedback from stakeholders, including students and employers. |
| <ul style="list-style-type: none"> • Research and Innovation • Collaborative activities with other institutions and industry for research. | <ul style="list-style-type: none"> • Encourage faculty and students to engage in research and innovation. • Provide support for research projects and collaborations. |
| 13.Was the AQAR placed before the statutory body? | Yes |
| <ul style="list-style-type: none"> • Name of the statutory body | |
| | |

| | |
|--------------------------------|--------------------|
| Name of the statutory body | Date of meeting(s) |
| External Peer Review Committee | 22/11/2023 |

| | |
|--|-----|
| 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

Since the implementation of the 2018 regulations, students have been provided with open elective opportunities, which now include interdisciplinary projects. A significant development occurred in 2023 through a regulation amendment, allowing for the explicit permission of interdisciplinary projects. Noteworthy achievements include students' active participation and prize-winning performances in interdisciplinary projects at the Smart India Hackathon. Each department annually organizes an Internal Hackathon, fostering a culture of innovation and collaboration. Additionally, awareness programs are systematically conducted to inspire and engage students in interdisciplinary projects.

Embracing the evolving landscape of engineering, our institution recognizes the increasing demand for multidisciplinary approaches in tasks, processes, and research. To address this, introducing a new subject encompassing concepts from various disciplines. In our current curriculum, each department offers open elective courses, allowing students from any specialization to opt for diverse learning experiences.

16. Academic bank of credits (ABC):

GCT has already taken all the necessary initiatives to fulfill the requirements for adopting the Academic Bank of Credits (ABC) as proposed by the National Educational Policy 2020.

A well-structured curriculum supporting Choice Based Credit System is in force since 2016 and the associated academic regulations support credit transfer facilities among the Govt. Engg

institutions. Our existing pedagogy is based on flexible learning wherein the student can choose courses at his/her own pace by registering for a minimum of 18 credits to a maximum of 30 credits every semester. Similarly, credits for courses completed through NPTEL, Coursera etc., can also be absorbed and accumulated towards the qualifying credits for the award of degree

17.Skill development:

The Institution has many MoUS with government and private industrial sectors to facilitate internship and placement training. The Institution provides courses for skills within the curriculum in close collaboration with industries. The implementation of Nan Mudhalvan scheme by state government are offered for student learning. These are courses offered by Nan Mudhalvan scheme.

1. Professional Readiness for innovation Employability and Entrepreneurship program on Emerging Technology.
2. Machine Learning and its Applications
3. Artificial Intelligence
4. Machine learning etc.

For all UG programs are required to take a course called "Professional Ethics," are mandatory which useful for stress management, yoga, spirituality, ethics, and life values. The purpose of this course is to teach professional and life management skills.

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

- For undergraduate students college offers courses in regional languages namely Heritage in Tamil and Tamil and Technology to make them accessible to a wider audience of current regulation 2022.
- Muthamizh vizha is conducted by tamil mandram.
- Every year students are instructed to participated in other institution cultural events.
- Provide multilingual support and translations to accommodate learners who may not be fluent in the language of instruction.
- Use storytelling techniques to convey traditional knowledge, as many Indian cultural lessons and teachings are passed down through stories.
- Ensure that the course content is inclusive and reflects the

cultural diversity present in different regions of Tamilnadu

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

Institution started to implement Outcome Based Education (OBE) in Teaching-Learning process from the Academic Year 2013-14. As per OBE, the curriculum has been refined by considering the knowledge, skills and attitude of the graduates after graduation. To inculcate the OBE practices, various training programmes are conducted for the faculty. In addition the National Board of Accreditation has accredited many engineering programmes under Tier-I. The Institution is well expertise in implementing the process of OBE as per the National Educational Policy (NEP). In this regard, the programmes in the institution are defined with Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs). All efforts are taken by the institution to disseminate OBE parameters, PEOs, POs, PSOs to all the stakeholders. Frequent feedback is collected from the stakeholders at regular intervals of time to meet the POs and PSOs in the programme.

20.Distance education/online education:

Not provide 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 2929

Total number of students during the year:

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

2.2 839

Number of outgoing / final year students during the year:

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

2.3

2843

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

1041

Number of courses in all programmes during the year:

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

3.2

150

Number of full-time teachers during the year:

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 2929

Total number of students during the year:

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

2.2 839

Number of outgoing / final year students during the year:

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

2.3 2843

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 1041

Number of courses in all programmes during the year:

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

3.2 150

| | |
|--|---------------------------|
| Number of full-time teachers during the year: | |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.3 | 200 |
| Number of sanctioned posts for the year: | |
| 4.Institution | |
| 4.1 | 990 |
| Number of seats earmarked for reserved categories as per GOI/State Government during the year: | |
| 4.2 | 91 |
| Total number of Classrooms and Seminar halls | |
| 4.3 | 986 |
| Total number of computers on campus for academic purposes | |
| 4.4 | 2234.472 |
| Total expenditure, excluding salary, during the year (INR in Lakhs): | |

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 curricula have been formulated in accordance with the guidelines of AICTE, affiliating university and, in alignment with the vision and mission of the Institution. Considering the technological advancements, the curriculum is shaped in the form of Humanities, Basic and Engineering Sciences, Mathematics, Professional Core, Professional and Open electives and Employability Enhancement courses with the emphasis on overall development and knowledge acquisition. The curriculum also includes, Mini projects, laboratory and project work. The core

courses in the curriculum provide technical knowledge in the chosen program. Students learn important concepts in professional core courses and advanced concepts in professional/open elective courses. With a view to promote self-learning, students can opt for SWAYAM/NPTEL online courses.

A set of PEOs, POs and PSOs are formulated for every programme based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The question papers follow various levels of Bloom taxonomy. Systematic procedures have also been devised for assessing the attainment of PEOs, POs, PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year.

| 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

617

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

1.2 - Academic Flexibility

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

277

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

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

20

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

1.3 - Curriculum Enrichment

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

In order to integrate the cross cutting issues relevant to gender,

environment and sustainability, human values and professional ethics, the Institution offers different types of courses in the curriculum like Environmental Sciences and Engineering, Professional Practices, Professional Ethics, Humanities, Youth Empowerment for Yoga Practice, etc., thereby leading to the holistic development of students. The Additional Activity Points programme which is embedded in the regulations ensures skill development and societal commitment of the students. Anti Gender Harassment Committee/Prevention and Prohibition of Sexual Harassment of women employees and students was constituted and functioning in formal since 2017. Women Empowerment Cell was constituted and functioning in formal since 2017. Social development activities like blood donation camps, health checkup camps, hygiene and health workshops, environment awareness camps, workshops on social issues, public health, gender issues are organized periodically. All the activities are monitored by faculty in-charge at each institution/campus. As an integral part of student engagement in social activities during their programme of study, college also facilitates the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities.

| 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

60

| 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

2559

| 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

837

| 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/feedback-students-satisfaction-survey |
| 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/feedback-students-satisfaction-survey |
| 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

688

| 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)

713

| 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 students are categorized as slow and advanced learners based on the feedback form Faculty advisors through diagnostic tests, class interaction, laboratory participation and test performances. The following strategies are followed:

Slow learners

1. Remedial Classes are conducted to improve the academic performance
2. Extra classes and lab sessions are conducted to students who are unable to attend regular classes due to participation in Extra-Curricular and co- curricular activities.

Fast learners

1. Students with CGPA of 7.5 and above are encouraged to opt

for Honours which will be highly helpful in pursuing higher studies in future.

2. Government sponsored internship are provided in order to get trained up and exposed to exact industrial needs.
3. Industry expert guest lecturers were organized to provide industry exposure to the students.
4. Skill Development Programme like Communicative English, Aptitude are conducted.
5. Trained for placement, GATE and other competitive exams.
6. Appointed as member in board of studies and office bearers of student council, department association and various professional bodies to develop their communication, leadership & team building skills.
7. They are encouraged to participate in:
 - MOOC and NPTEL Courses under Swayam platform.
 - Various Seminars/ Conferences/ Workshops/ Inter-Collegiate Competitions.
 - National /International level hackathons and competitions.
 - Extra-curricular activities, exhibitions and cultural

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/1BlXsZjpyhmzMeAWdWsyi0vf8r80oj45R/view?usp=sharing |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 31/05/2023 | 3046 | 174 |

| 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 offers a platform for growth, skill development, and the cultivation of values that mould young minds. programmes that are

student-centred and innovative to foster creativity, improve problem-solving skills, and make sure to perform participatory learning.

1. Experiential Education

2. In addition to class laboratory and sporadic industrial trips are arranged.
3. Summer internships that provide practical experience are made mandatory.
4. Student clubs like e-yantra, the Robert Bosch IRSC, and the Society of Automotive Engineers IoT and robotics foster an innovative mindset.
5. Value-added Certificate programmes from MNCs like Microsoft, Google, NSE, and NPTEL that expand topic expertise.
6. Participating in hackathons and simulated stock exchanges allows students to practise real- world problems.

Participatory Education

Every year, every department has Techfests and Symposia for paper, project, and poster presentations. Students are also encouraged to participate in inter-college and national conferences and seminars. To improve students' managerial capabilities to foster extracurricular skills, programmes like the English Literature Society and Tamil Mandram are held. The annual cultural programme put on for students is a place for creativity.

Problem-solving Skills:

Student Mini Project Development, Solution to Environmental Problems, Regular Quizzes, Case Studies, and Debates in inter-intra college assist students build problem-solving skills.

| File Description | Documents |
|-----------------------------------|--|
| Upload any additional information | View File |
| Link for additional Information | https://drive.google.com/file/d/1qEwfligu7xG12usg8kFU-4l8G2gkxjaa/view?usp=sharing , https://drive.google.com/file/d/1MSA0ee03IFdMNszyC29UXFpa2zX9GUtZ/view?usp=sharing |

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.

Number of teachers using ICT (LMS,
eResources)

ICT tools and resources available

Number of ICT enabled classrooms

Number of smart classrooms

Eresources and techniques used

156

4

20

7

156

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://drive.google.com/file/d/1JBFjh0rqRi61judFLZNRK9SLEyYclug6/view?usp=sharing |
| Upload any additional information | No File Uploaded |

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

2.3.3.1 - Number of mentors

174

| 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 Principal, Vice Principal, HODs, Industry experts, and university nominations form an academic committee to develop academic regulations, curriculum, academic calendar, and monitor teaching and learning quality.

1. Academic calendar The Academic Committee compiles the action plan and presents a well-planned Academic calendar that is available to students on the school's website and notice boards.

The days of instruction, holidays, tests, and vacations are all clearly marked on the calendar.

In the event of unanticipated circumstances, the authorities make the appropriate revisions and post them on websites and notice boards.

1. Teaching Plan To ensure a consistent pace of instruction, the relevant faculty prepares a unit-by-unit teaching plan of the course content, divided across the given lecture hours, as instructed by the

An Outcome Based Education includes following:

1. Course prerequisites
2. Course objectives, Course outcomes and mapping with program outcomes
3. Learning resources and delivery methodologies like LBD
4. Assessment methods
5. Unit wise lecture plan
6. Assignment, tutorial and model questions
7. Link to video lectures
8. Additional information Internal Audit Committee will audit the Academic plans of each faculty and the audit reports are submitted to the principal, for follow up action.

| 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

174

| 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 | No File Uploaded |

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

88

| 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 | No File Uploaded |

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

1716

| File Description | Documents |
|---|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | No File Uploaded |

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

7

| 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 | No File Uploaded |
| 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

The regulations and curriculum has the following provisions Add/Drop courses, Self-study courses, Internship, Project/Mini Project, Field visit, Language Laboratory, Withdrawal of courses, In plant Training, Break of study permitted, Credit Transfer, Open Electives, Additional Activity Points, Value added courses, SWAYAM/MOOC courses, Audit and mandatory courses as per the AICTE model curriculum The quality of the question paper is ensured through two level Question paper scrutiny process. Transparency in examination evaluation system All the Students are free to review the valued answer scripts without any additional fee on the reopening day in the presence of the respective Course Incharge, from the academic year 2016-17 onwards Students are permitted to receive the photocopy of the valued Answer Scripts at nominal fees Students can apply for revaluation. The results will be intimated to the student concerned through the Head of the Department within 5 working days from the last date of application of revaluation. Auditing the end semester question papers and answer scripts valuation. Relative grading system is followed

| 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

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 HOD along with subject faculties and domain experts discuss and frame the Course Outcomes.

Mechanism of Communication of all Learning Outcomes (PO, PSO, CO) among faculty, staff, and students

•Students are educated with the outcomes of each course before the commencement of the subject. •POs and PSOs are displayed at prominent places like HOD Room, Seminar Hall, Class room, Laboratories, Faculty Rooms.

•PO, PSO, CO are included in Lesson Plans , Lab Manuals, Course files, Course End Survey, Alumni Survey etc

•It is displayed in Institution Website

•These points are discussed using Alumni meet and feedbacks are taken from alumni to ensure whether the outcomes are met.

| File Description | Documents |
|--|---------------------------|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | No File Uploaded |
| Link for additional Information | Nil |

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

Course outcomes identify the unique knowledge and skills expected to be gained from a given course. Programme outcomes are one step broader statements that describe what students are expected to know and be able to do upon the completion of a specific program. Programme specific outcomes are what the students of a specific programme should be able to do at the time of studying in the programme. Programme outcomes and programme specific outcomes are attained through the attainment of course outcomes. Measurement of attainment of POs, PSOs and COs is done through formative and summative methods. Analysis of students' performance in internal tests is continuous assessment. Maximum 120 marks are allotted on two internal examination and 80 marks on two assignments. Analysis

of end semester exam results is also done. After the analysis, strategy for improvement is made and implemented. All the assessments are analyzed regularly. The analysis of students' performance in semester examination is done to know the levels of attainment of POs, PSOs and COs. Each department analyses the result of the students for each subject.

| 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

643

| 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 | No File Uploaded |
| 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

The following are the research policies followed during the academic year 2022-2023.

- Research Promotion Fund Constitution of Institutional Research Committee
- Composition of the Institutional Research Committee
- Establishment of Research Facilities
- Resource Mobilization for research
- Compliance of Research Ethics
- Dissemination of Research Work
- Innovation Ecosystem
- Academic, Research and Industrial collaboration
- Outreach policy for society and industry
- Faculty recruitment, appraisal and training
- Incentives and Awards for Research Achievements

The research policy of Government College of Technology, Coimbatore aims to identify research areas of academic and social relevance to promote a well-defined research culture among faculty and students. The research policy has been framed to analyze, understand and effectively respond to all types of challenges posed in the pursuance of quality research. The primarily objectives are

1. To ensure quality, integrity and ethics in research.
2. To encourage and facilitate the publication of the research works in reputed academic International / National journals.
3. To promote interdisciplinary research. The documents related to the policies are enclosed in additional information.

| 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/%20Minutes%20of%2040th%20Meeting%20of%20the%20Board%20of%20Governors18042023.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

| File Description | Documents |
|---|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money | No File Uploaded |
| 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 | No File Uploaded |
| 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

4

| 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 | No File Uploaded |

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)

7500

| 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 | No File Uploaded |
| Any additional information | No File Uploaded |

3.2.2 - Number of teachers having research projects during the year

1

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | https://gct.ac.in/sponsored-research |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

46

| File Description | Documents |
|---|---------------------------|
| Upload copies of the letter of the university recognizing teachers as research guides | View File |
| Institutional data in Prescribed format | No File Uploaded |

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

1

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | https://www.tanscst.tn.gov.in/ |
| 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 Government College of Technology (GCT) prioritizes fostering innovation through its dynamic ecosystem. The Institution's Innovative Council (IIC) plays a pivotal role, providing a platform for students to explore ideas, collaborate on projects, and engage in events like hackathons and technical symposiums. IIC

also facilitates industry partnerships, offering real-world exposure and enhancing students' practical knowledge.

The academic curriculum, designed independently under an autonomous system, promotes innovation and critical thinking. It encourages interdisciplinary learning, fostering a mindset open to collaboration and innovative problem-solving. Modern laboratories and cutting-edge technology empower students to turn their ideas into tangible innovations.

GCT houses innovation hubs and incubators, providing physical spaces for project work and mentorship from experienced faculty and industry experts. The Intellectual Property Rights (IPR) cell conducts awareness programs and ensures the recognition and protection of the college's intellectual achievements, evident in patents received in 2019 and 2023.

The college's knowledge system has evolved with a focus on digital platforms and e-learning resources, addressing the need for flexibility and efficiency in education. Key components include e-learning courses, NPTEL, LMS, and GATE, collectively shaping the next generation of innovators at GCT.

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

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

4

| File Description | Documents |
|--|---------------------------|
| Report of the events | No File Uploaded |
| List of workshops/seminars conducted during the year | View File |
| Any additional information | No File Uploaded |

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

B. Any 3 of the above

| File Description | Documents |
|--|---------------------------|
| Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check | View File |
| Any additional information | 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

12

| File Description | Documents |
|--|---------------------------|
| URL to the research page on HEI website | Nil |
| 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

169

| 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**16**

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

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****712**

| File Description | Documents |
|---|-------------------------|
| Any additional information | No File Uploaded |
| Bibliometrics of the publications during the year | No File Uploaded |

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****17**

| File Description | Documents |
|--|-------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | No File Uploaded |
| Any additional information | No File Uploaded |

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****1851000**

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

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

0.0

| 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

Government College of Technology, Coimbatore is organizing and participating in various extension activities and outreach program to promote the Institute-Neighbourhood community to sensitize the students towards community needs. The Institute believes in not only promoting the societal and community activities to sensitize students but also leading in shaping the students and faculty into responsible citizens of the nation. Various Society Committee team members and organizers inculcate this awareness and goodness through various program like Cleanliness, Green environment & tree plantation, Environment Awareness, , antidrugcampaign, Blood donation camps, Women Development and Empowerment activities,

etc. Our students are involved in Green Club, Literary and Debating Society, Students Research Foundation, NSS, NCC, YRC, etc

All these mentioned activities have a positive impact on the students, and they developed student community relationships, leadership skills, and self-confidence of students. It also helped in cultivating the hidden personality of students and creating awareness among students. Blood donation camps strengthen the sense of empathy and compassion among donors and also install in them a sense of commitment and ethical responsibility. Program on women empowerment create awareness among girl students of their condition and their rights and among boys a sensitivity towards problems of women, leading to a lessening of gender bias.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/10yzZRi-NVhadfyyIEIVUJ6DtY5kLE3hQ/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

0

| File Description | Documents |
|--|---------------------------|
| Number of awards for extension activities in during the year | View File |
| e-copy of the award letters | No File Uploaded |
| Any additional information | No File Uploaded |

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)

51

| File Description | Documents |
|---------------------------------|---------------------------|
| Reports of the events organized | View File |
| Any additional information | No File Uploaded |

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**2359**

| File Description | Documents |
|----------------------------|---------------------------|
| Reports of the events | View File |
| Any additional information | No File Uploaded |

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****4**

| 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)**17**

| 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 a sprawling 45 hectares of lush green campus. The state-of-the-art infrastructure augments learning and

promotes a good teaching-learning environment. Totally 78 classrooms, 4 drawing halls, more than 68 laboratories, common workshop, central library, 2 auditoriums with audio video facilities, 4 Skill development centres, at least one seminar hall for each programme are available in the campus. Skill development centres are established in the classroom complex for enriching skills of UG and PG students. Separate computing centre, project labs, research laboratories and industry sponsored laboratories are available for the benefits of students.

In addition to the regular practical courses, the laboratory facilities are used for research activities and consultancy services that add to the Internal Revenue Generation (IRG) of the institute. Two centres of Excellence are established in the campus under TEQIP fund. Every department has computer laboratories and totally 986 computers are available for the regular computer and Programming courses and for conducting on-line examinations, aptitude tests and banking examinations.

The college has ICT enabled class rooms where the provision of multimedia learning, Wi-fi connectivity smart boards/Digital boards including LCD projector and internet .

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| 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.)

College has a playground of 46,816 sq.m. The ground has many sports facilities like Tennis court, Basketball, Volleyball, Football, etc. Apart from outdoor games, college has facilities of indoor games such as table tennis, carom, chess etc. College has a well-equipped gym facilities. Separate yoga centre is available for conducting Yoga programmes.

To encourage the extra-curricular activities among students, the college has Orchestra and 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 organises cultural festivals named Sangamam and MuthamizhVizha. Every year an art exhibition is conducted to facilitate to the students an opportunity to express their skills in the form of art.

Every Department conducts technical contests/symposiums in areas concerning their programmes. Seminar halls, classrooms and other amenities as required for the co-curricular activities are made available by the respective faculty co-ordinator. The planning and conduct of the activities are also supervised by the co-ordinators along with the student organising team. Main Auditorium, Open Auditorium and also classrooms are made available for these activities.

| 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 | View File |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

1898.67

| 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)

From 2007 to 2017 the Library used Smart Campus Software, which consists of Acquisition, Cataloguing, Barcode based Circulation, and Web OPAC. OPAC allows students to browse a book by author, title or any keyword and provides links to all electronic resources available in Library. From 2018 onwards Impres ERP Software Version: 2.0.50727.5483 is being used. Library is fully automated. Gate entry Register is maintained. In the Reference Section books are monitored by RFID and E-Gate. Library Campus is in pollution free lush green and picturesque environment conducive to learning and nurturing the dreams of students.

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.

Digital Library is functioning from March 2007 onwards with 55 Computers, Two Multi-function device, Books, CDS and Journal CDS.

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

4.2.2 - Institution has access to the following: A. Any 4 or more of the above e-journals e-ShodhSindhu Shodhganga

Membership e-books Databases Remote access to e-resources

| 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)

13.29

| 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

165

| 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 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 VPN0BB (VPN over broadband) internet connectivity through single fiber under NMEICT is available for carrying out research works and project works.

The institute has a 24x7 WiFi facility in the college campus to avail internet connection at any place in the college & hostel. 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. Also the institute is using fortigate 600C with fortianalyzer firewall to prevent illegal access of internet.

Government College of Technology, Coimbatore uses web-based technology as a tool to support its missions of teaching, research, scholarship, artistic creation, professional practice, and service to the community. Enova Solutions Pvt. Ltd., Coimbatore maintains the Institutional Website. Designers from Enova Solutions Pvt. Ltd are responsible for designing/creating content that meets web usability and accessibility standards, ensuring the accuracy and timeliness of the information presented, publishing pages that represent professional design and quality, ensuring that web materials comply with Institute policy, privacy and information security.

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

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 2798 | 986 |

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |

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

A. 50 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: **A. All four of the above Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | No File Uploaded |
| 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)

54.38

| 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 institute has adequate classrooms, laboratories, computer centers, library and sports complex which caters to the needs of students. The Head of departments have assigned faculty in charge to ensure proper utilization and maintenance of facilities. The Internal Quality Assurance Cell (IQAC) of our Institute carries regular internal academic audit. Feedbacks are obtained from stakeholders such as parents, Alumni, employer, industries, students. PWD wing of Technical Education carries the maintenance

works. To cater to the academic and research activities, the institute has well established laboratories, industry supported laboratories.

Regular maintenance of equipment is required for proper functioning of the equipment. Equipments are purchased through e-procurement method following the norms and procedures.

The college library is equipped with all learning materials including books, journals, e-journals, code books, magazines, articles, etc. that facilitates students to use library effectively. Reprographic facilities and Digital library are available for the use of students

A stadium is available for practicing extracurricular activities. Regular practices of sports and annual sports meet are conducted in this facility. The Directress of Physical Education is responsible for conducting all sports related events- Inter and Intra college competitions and also Zonal, District and National Level competitions.

| 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

1767

| 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

457

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

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

C. Any 2 of the above

| File Description | Documents |
|---|---------------------------|
| Link to Institutional website | Nil |
| Details of capability development and schemes | View File |
| Any additional information | View File |

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

50

| 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

B. Any 3 of the above

**awareness and implementation of policies
with zero tolerance Mechanism for
submission of online/offline students'
grievances Timely redressal of grievances
through appropriate committees**

| 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 | No File Uploaded |
| Upload any additional information | View File |

5.2 - Student Progression

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

515

| 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

7

| 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

25

| 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

The students play an active role in academic and administrative committees of the institution. Student participation include academic committee s like Board of studies for framing the curriculum and syllabus. Based on the students views, the curriculum and syllabi are revised. The students are the members in class committee meeting, which is conducted twice per semester to monitor the Teaching - Learning process. The students also play a representative role in the various club activities and Department association activities. The students play a role in the administrative bodies like being a representative in Placement activities, Mentoring the junior students.

| 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

19

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

5.4 - Alumni Engagement

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

Some common activities and services offered by alumni associations include:

1. **Networking:** gSARC (GCT Student Alumni Relationship Cell) is an initiative by GCTAA to revitalize relationships between the institution and the alumni
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
4. **Through Alumni Assist,** Alumni's contribute their time and expertise by serving as mentors, guest speakers, chief guest in institution department symposiums
5. **Fundraising and Scholarships:** Encourage alumni to donate to specific projects or initiatives, and establish scholarship programs to support current students.
6. **Alumni Directories:** <https://www.gctalumni.org.in/dir.dz> is an online platform that helps to search alumni and connect with fellow graduates facilitating networking and collaboration among alumni.
7. **Communication and Publications:** Associations keep alumni informed about institutional updates, achievements, and alumni-related news through <https://www.gctalumni.org.in/newsroom.dz> .
8. **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.

9. 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 | No File Uploaded |
| Paste link for additional Information | https://www.gctalumni.org.in/newsroom.dz |

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 to improve teaching-learning process

3. To encourage research and consultancy, industry-institute interaction and entrepreneurship activities.

4. To strengthen alumni engagement and enhance student experience.

5. To enhance contribution towards society and the environment.

6. To formulate development plans to improve the overall quality of the institute

Curriculum Development:

1. Curriculum has been revised following the guidelines of

AICTE model curriculum. More emphasis are given to employment enhancement, skill development courses in 2018 Regulations with more number of subjects in the open elective category.

2. It has been insisted to carry design of components/ structures as the mini project.
3. Feedbacks from Alumni, Industrial experts, Subjects experts from other premier institutions and student stakeholders are also considered and incorporated in the syllabus.
4. Industry based electives were incorporated in the new curriculum.

Teaching and Learning:

1. Online courses like NPTEL, Swayam etc., are helpful for enhancing Teaching and learning process.
2. Smart class room teaching and use of IoT tools are adopted.

Examination and Evaluation:

1. There is a complete transparency in the examination system,
2. Almost for all the subjects, detailed key is obtained from the question paper setter and given to the examiner during valuation.
3. The students are given opportunity to review their evaluated answer sheets immediately after the publication of results and they can apply for revaluation if they are not satisfied with the evaluation.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://gct.ac.in/bog-minutes |
| 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 policies 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

C. Any two of the above

| File Description | Documents |
|---|---------------------------|
| ERP (Enterprise Resource Planning) Document | View File |
| Screen shots of user interfaces | View File |
| Details of implementation of e-governance in areas of operation | View File |
| Any additional information | No File Uploaded |

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.

All the faculty members who upgrade their research work through quality publications during the academic year are honored by institution through Academic Award Ceremony.

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

6

| 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

4

| File Description | Documents |
|--|---------------------------|
| Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres) | View File |
| Upload any additional information | No File Uploaded |

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.)

46

| 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)

52.6175

| 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 | No File Uploaded |
| 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

Two examples of IQAC-supported institutional review and training learning reforms:

Academic Audit:

Academic audit are conducted once in a year comprising of one internal audit and one external audit each semester for enhancing the quality of the programme. The Academic audits are conducted as per ISO standards and evaluated. Detailed audit was conducted on the curriculum and development, student aspects, Teaching learning evaluation processes and faculty academic improvement programmes.

Use of ICT in teaching and learning:

The use of ICT tools has become an integral part in teaching-learning process. IQAC always encouraged teachers to utilize these tools in academic and laboratories. Periodically IQAC has trained teachers and non-teaching staff to use ICT tools i.e. Google Classrooms, Video Lecture preparation, Video conferencing, use of e-mail, handling ICT instrument etc., by arranging different workshops. The educational use of social media has also been utilized to establish communication with the students and peers. In teaching and learning, the feedback system is implemented to take the review of reliability and uses of ICT facilities.

| 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

A. Any 4 or all of the above

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)

| File Description | Documents |
|--|---|
| Paste the web link of annual reports of the Institution | https://gct.ac.in/aqr-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 Women and Health, Gender Development and Globalization, Women Rights in India, Values and Ethics address issues related to Women are offered. 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.

The institution ensures that women participate in all activities. The following are some of the specific initiatives by the institution to ensure female student's involvement in all academic, co-curricular, and extra-curricular activities. ? Gender sensitization programs for all students, faculty and staff members to prevent all forms of violence ? Celebration of International Women's day 8 th March every year ? Seminars and Workshop on gender equality In our institution, 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. In our institution, out of the faculty strength, 55% are women.

| 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

B. Any 3 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

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

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

| 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:

B. Any 3 of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
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 | View File |
| 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:

D. Any 1 of the above

1. Green audit
2. Energy audit
- 3.Environment audit
- 4.Clean and green campus recognitions/awards
- 5.Beyond the campus environmental promotional activities

| 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 | No File Uploaded |

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

A. Any 4 or all of the above

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 | View File |
| Details of the software procured for providing assistance | No File Uploaded |
| Any other relevant information | No File Uploaded |

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 reputation 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.

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.

Motivational lectures are conducted by inviting eminent persons from various academic institutions to help the progression of the students for their personality development, and to build them a responsible citizen following the national values and integration.

| 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 the constitution of India as a mandatory 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 the 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 citizens. 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 the Indian Constitution. Independence Day is also celebrated every year to highlight the struggle of freedom and importance of the 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 of conduct for students, teachers, administrators and other staff and conducts D. Any 1 of the above

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 | View File |
| Any other relevant information | View File |

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.

NATIONAL DAYS

Independence Day celebration:

76th Independence Day celebration was held on August 15, 2022 in the campus in spite of this pandemic situation by following social distancing norms. The flag hoisting was done by Principal Dr. P.Thamarai accompanied by the National anthem and everyone saluting the National flag created a different ambience in the premises.

Republic Day Celebration:

Republic Day is celebrated on 26th January every year at GCT. The

74th Republic day ceremony began with the hoisting of the tricolour flag by Principal, Dr. P.Thamarai. She addressed the gathering on the importance of freedom, rights, duties, and responsibilities of citizens. March past was conducted by the NCC cadets of GCT.

INTERNATIONAL DAYS

Women's Day :

International Women's Day is celebrated in many countries around the world. It is a day when women are recognized for their achievements without regard to divisions, whether national, ethnic, linguistic, cultural, economic or political. By this way every year the Women's Day is celebrated amongst the teaching and Non teaching staff members of GCT in a grand manner. This year also, we celebrated by conducting various events to showcase the talents of each individual and ended happily.

| 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

<https://gct.ac.in/best-practices>

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://gct.ac.in/best-practices |
| 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 lays a huge priority on achieving the Program Educational Objectives which describe the career and professional accomplishments that the program is preparing graduates to achieve over a period of 3 TO 4 years after their graduation. Accordingly, the students are exposed to various aspects of learning apart from classroom alone, while they are in the campus, to shape them as true professionals rather than mere graduates of engineering and technology. To achieve this GCT has 42 different clubs. This distinctiveness of the Institution is reflected in the quality of the alumni base which is on par with any other institution of repute in the country.

GCT seeks the involvement of its Alumni in all aspects of Governance by considering them prominent positions in all its administrative and academic bodies such as Governing Council, Academic Council and the Boards of study. GCT considers the 78 batches of Alumni as its brand ambassadors in the true sense, they are always considered as an invaluable asset to the institution. New ways of bringing the alumni across the world is constantly explored and executed. The priority and thrust is always towards that and the success in achieving the same the most distinctive feature that the institution feels proud of.

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 curricula have been formulated in accordance with the guidelines of AICTE, affiliating university and, in alignment with the vision and mission of the Institution. Considering the technological advancements, the curriculum is shaped in the form of Humanities, Basic and Engineering Sciences, Mathematics, Professional Core, Professional and Open electives and Employability Enhancement courses with the emphasis on overall development and knowledge acquisition. The curriculum also includes, Mini projects, laboratory and project work. The core courses in the curriculum provide technical knowledge in the chosen program. Students learn important concepts in professional core courses and advanced concepts in professional/open elective courses. With a view to promote self-learning, students can opt for SWAYAM/NPTEL online courses.

A set of PEOs, POs and PSOs are formulated for every programme based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The question papers follow various levels of Bloom taxonomy. Systematic procedures have also been devised for assessing the attainment of PEOs, POs, PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year.

| 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

617

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

1.2 - Academic Flexibility

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

277

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

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

20

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

1.3 - Curriculum Enrichment

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

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, the Institution offers different types of courses in the curriculum like Environmental Sciences and Engineering, Professional Practices, Professional Ethics, Humanities, Youth Empowerment for Yoga Practice, etc., thereby leading to the holistic development of students. The Additional Activity Points programme which is embedded in the regulations ensures skill development and societal commitment of the students. Anti Gender Harassment Committee/Prevention and Prohibition of Sexual Harassment of women employees and students was constituted and functioning in formal since 2017. Women Empowerment Cell was constituted and functioning in formal since 2017. Social development activities like blood donation camps, health checkup camps, hygiene and health workshops, environment awareness camps, workshops on social issues, public health, gender issues are organized periodically. All the activities are monitored by faculty in-charge at each institution/campus. As an integral part of student engagement in social activities during their programme of study, college also facilitates the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities.

| 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

60

| 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

2559

| 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

837

| 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/feedback-students-satisfaction-survey |
| 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/feedback-students-satisfaction-survey |
| 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

688

| 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)

713

| 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 students are categorized as slow and advanced learners based on the feedback from Faculty advisors through diagnostic tests, class interaction, laboratory participation and test performances. The following strategies are followed:

Slow learners

1. Remedial Classes are conducted to improve the academic performance
2. Extra classes and lab sessions are conducted to students who are unable to attend regular classes due to participation in Extra-Curricular and co- curricular activities.

Fast learners

1. Students with CGPA of 7.5 and above are encouraged to opt for Honours which will be highly helpful in pursuing higher studies in future.
2. Government sponsored internship are provided in order to get trained up and exposed to exact industrial needs.
3. Industry expert guest lecturers were organized to provide industry exposure to the students.
4. Skill Development Programme like Communicative English, Aptitude are conducted.
5. Trained for placement, GATE and other competitive exams.
6. Appointed as member in board of studies and office bearers of student council, department association and various professional bodies to develop their communication, leadership & team building skills.
7. They are encouraged to participate in:
 - MOOC and NPTEL Courses under Swayam platform.
 - Various Seminars/ Conferences/ Workshops/ Inter-Collegiate Competitions.

- National /International level hackathons and competitions.
- Extra-curricular activities, exhibitions and cultural

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/1BlXsZjpyhmzMeAWdWsyi0vfrs80oj45R/view?usp=sharing |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 31/05/2023 | 3046 | 174 |

| 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 offers a platform for growth, skill development, and the cultivation of values that mould young minds. programmes that are student-centred and innovative to foster creativity, improve problem-solving skills, and make sure to perform participatory learning.

1. Experiential Education
2. In addition to class laboratory and sporadic industrial trips are arranged.
3. Summer internships that provide practical experience are made mandatory.
4. Student clubs like e-yantra, the Robert Bosch IRSC, and the Society of Automotive Engineers IoT and robotics foster an innovative mindset.
5. Value-added Certificate programmes from MNCs like Microsoft, Google, NSE, and NPTEL that expand topic expertise.
6. Participating in hackathons and simulated stock exchanges

allows students to practise real- world problems.

Participatory Education

Every year, every department has Techfests and Symposia for paper, project, and poster presentations. Students are also encouraged to participate in inter-college and national conferences and seminars. To improve students' managerial capabilities to foster extracurricular skills, programmes like the English Literature Society and Tamil Mandram are held. The annual cultural programme put on for students is a place for creativity.

Problem-solving Skills:

Student Mini Project Development, Solution to Environmental Problems, Regular Quizzes, Case Studies, and Debates in inter-intra college assist students build problem-solving skills.

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional Information | https://drive.google.com/file/d/1qEwfligu7xG12usg8kFU-4l8G2gkxjaa/view?usp=sharing , https://drive.google.com/file/d/1MSA0ee03IFdMNszyC29UXFpa2zX9GUtZ/view?usp=sharing |

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.

Number of teachers using ICT (LMS,
eResources)

ICT tools and resources available

Number of ICT enabled classrooms

Number of smart classrooms

Eresources and techniques used

156

4

20

7

156

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://drive.google.com/file/d/1JBFjh0rgRi61judFLZNrK9SLEyYclug6/view?usp=sharing |
| Upload any additional information | No File Uploaded |

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

2.3.3.1 - Number of mentors

174

| 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 Principal, Vice Principal, HODs, Industry experts, and university nominations form an academic committee to develop academic regulations, curriculum, academic calendar, and monitor teaching and learning quality.

1. Academic calendar The Academic Committee compiles the action plan and presents a well-planned Academic calendar that is available to students on the school's website and notice boards.

The days of instruction, holidays, tests, and vacations are all clearly marked on the calendar.

In the event of unanticipated circumstances, the authorities make the appropriate revisions and post them on websites and notice boards.

1. Teaching Plan To ensure a consistent pace of instruction, the relevant faculty prepares a unit-by-unit teaching plan of the course content, divided across the given lecture hours, as instructed by the

An Outcome Based Education includes following:

1. Course prerequisites
2. Course objectives, Course outcomes and mapping with program outcomes
3. Learning resources and delivery methodologies like LBD
4. Assessment methods
5. Unit wise lecture plan
6. Assignment, tutorial and model questions
7. Link to video lectures
8. Additional information Internal Audit Committee will audit the Academic plans of each faculty and the audit reports are submitted to the principal, for follow up action.

| 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

174

| 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 | No File Uploaded |

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

88

| 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 | No File Uploaded |

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

1716

| File Description | Documents |
|---|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | No File Uploaded |

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

7

| 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 | No File Uploaded |
| 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

The regulations and curriculum has the following provisions Add/Drop courses, Self-study courses, Internship, Project/Mini Project, Field visit, Language Laboratory, Withdrawal of courses, In plant Training, Break of study permitted, Credit Transfer, Open Electives, Additional Activity Points, Value added courses, SWAYAM/MOOC courses, Audit and mandatory courses as per the AICTE model curriculum The quality of the question paper is ensured through two level Question paper scrutiny process. Transparency in examination evaluation system All the Students are free to review the valued answer scripts without any additional fee on the reopening day in the presence of the respective Course Incharge, from the academic year 2016-17 onwards Students are permitted to receive the photocopy of the valued Answer Scripts at nominal fees Students can apply for revaluation. The results will be intimated to the student concerned through the Head of the Department within 5 working days from the last date of application of revaluation. Auditing the end semester question papers and answer scripts valuation. Relative grading system is followed

| 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

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 HOD along with subject faculties and domain experts discuss and frame the Course Outcomes.

Mechanism of Communication of all Learning Outcomes (PO, PSO, CO) among faculty, staff, and students

•Students are educated with the outcomes of each course before the commencement of the subject. •POs and PSOs are displayed at prominent places like HOD Room, Seminar Hall, Class room, Laboratories, Faculty Rooms.

•PO, PSO, CO are included in Lesson Plans , Lab Manuals, Course files, Course End Survey, Alumni Survey etc

•It is displayed in Institution Website

•These points are discussed using Alumni meet and feedbacks are taken from alumni to ensure whether the outcomes are met.

| File Description | Documents |
|--|---------------------------|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | No File Uploaded |
| Link for additional Information | Nil |

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

Course outcomes identify the unique knowledge and skills expected to be gained from a given course. Programme outcomes are one step broader statements that describe what students are expected to know and be able to do upon the completion of a specific program. Programme specific outcomes are what the students of a specific programme should be able to do at the time of studying in the programme. Programme outcomes and programme specific outcomes are attained through the attainment of course outcomes. Measurement of attainment of POs, PSOs and COs is done through formative and summative methods. Analysis

of students' performance in internal tests is continuous assessment. Maximum 120 marks are allotted on two internal examination and 80 marks on two assignments. Analysis of end semester exam results is also done. After the analysis, strategy for improvement is made and implemented. All the assessments are analyzed regularly. The analysis of students' performance in semester examination is done to know the levels of attainment of POs, PSOs and COs. Each department analyses the result of the students for each subject.

| 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

643

| 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 | No File Uploaded |
| 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

The following are the research policies followed during the academic year 2022-2023.

- Research Promotion Fund Constitution of Institutional Research Committee
- Composition of the Institutional Research Committee
- Establishment of Research Facilities
- Resource Mobilization for research
- Compliance of Research Ethics
- Dissemination of Research Work
- Innovation Ecosystem
- Academic, Research and Industrial collaboration
- Outreach policy for society and industry
- Faculty recruitment, appraisal and training
- Incentives and Awards for Research Achievements

The research policy of Government College of Technology, Coimbatore aims to identify research areas of academic and social relevance to promote a well-defined research culture among faculty and students. The research policy has been framed to analyze, understand and effectively respond to all types of challenges posed in the pursuance of quality research. The primarily objectives are

1. To ensure quality, integrity and ethics in research.
2. To encourage and facilitate the publication of the research works in reputed academic International / National journals.
3. To promote interdisciplinary research. The documents related to the policies are enclosed in additional information.

| 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/%20Minutes%20of%2040th%20Meeting%20of%20the%20Board%20of%20Governors18042023.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

| File Description | Documents |
|---|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money | No File Uploaded |
| 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 | No File Uploaded |
| 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

4

| 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 | No File Uploaded |

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)

7500

| 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 | No File Uploaded |
| Any additional information | No File Uploaded |

3.2.2 - Number of teachers having research projects during the year

1

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | https://gct.ac.in/sponsored-research |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

46

| File Description | Documents |
|---|---------------------------|
| Upload copies of the letter of the university recognizing teachers as research guides | View File |
| Institutional data in Prescribed format | No File Uploaded |

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

1

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | https://www.tanscst.tn.gov.in/ |
| 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 Government College of Technology (GCT) prioritizes fostering innovation through its dynamic ecosystem. The Institution's Innovative Council (IIC) plays a pivotal role, providing a platform for students to explore ideas, collaborate on projects, and engage in events like hackathons and technical symposiums. IIC also facilitates industry partnerships, offering real-world exposure and enhancing students' practical knowledge.

The academic curriculum, designed independently under an autonomous system, promotes innovation and critical thinking. It encourages interdisciplinary learning, fostering a mindset open to collaboration and innovative problem-solving. Modern laboratories and cutting-edge technology empower students to turn their ideas into tangible innovations.

GCT houses innovation hubs and incubators, providing physical

spaces for project work and mentorship from experienced faculty and industry experts. The Intellectual Property Rights (IPR) cell conducts awareness programs and ensures the recognition and protection of the college's intellectual achievements, evident in patents received in 2019 and 2023.

The college's knowledge system has evolved with a focus on digital platforms and e-learning resources, addressing the need for flexibility and efficiency in education. Key components include e-learning courses, NPTEL, LMS, and GATE, collectively shaping the next generation of innovators at GCT.

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

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

4

| File Description | Documents |
|--|---------------------------|
| Report of the events | No File Uploaded |
| List of workshops/seminars conducted during the year | View File |
| Any additional information | No File Uploaded |

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

B. Any 3 of the above

| File Description | Documents |
|--|---------------------------|
| Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check | View File |
| Any additional information | 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

12

| File Description | Documents |
|--|---------------------------|
| URL to the research page on HEI website | Nil |
| 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

169

| 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

16

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

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

712

| File Description | Documents |
|---|------------------|
| Any additional information | No File Uploaded |
| Bibliometrics of the publications during the year | No File Uploaded |

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

17

| File Description | Documents |
|--|------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | No File Uploaded |
| Any additional information | No File Uploaded |

3.5 - Consultancy

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

1851000

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

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

0.0

| 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

Government College of Technology, Coimbatore is organizing and participating in various extension activities and outreach program to promote the Institute-Neighbourhood community to sensitize the students towards community needs. The Institute believes in not only promoting the societal and community activities to sensitize students but also leading in shaping the students and faculty into responsible citizens of the nation. Various Society Committee team members and organizers inculcate this awareness and goodness through various program like Cleanliness, Green environment & tree plantation,

Environment Awareness, , antidrugcampaign,Blood donation camps, Women Development and Empowerment activities, etc.Our students are involved in Green Club, Literary and Debating Society, Students Research Foundation, NSS, NCC, YRC,etc

All these mentioned activities have a positive impact on the students, and they developed student community relationships, leadership skills, and self-confidence of students. It also helped in cultivating the hidden personality of students and creating awareness among students.Blood donation camps strengthen the sense of empathy and compassion among donors and also install in them a sense of commitment and ethical responsibility.Program on women empowerment create awareness among girl students of their condition and their rights and among boys a sensitivity towards problems of women, leading to a lessening of gender bias.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://drive.google.com/file/d/10yzZRi-NVhadfyyIEIVUJ6DtY5kLE3hQ/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

0

| File Description | Documents |
|--|---------------------------|
| Number of awards for extension activities in during the year | View File |
| e-copy of the award letters | No File Uploaded |
| Any additional information | No File Uploaded |

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)

51

| File Description | Documents |
|---------------------------------|---------------------------|
| Reports of the events organized | View File |
| Any additional information | No File Uploaded |

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

2359

| File Description | Documents |
|----------------------------|---------------------------|
| Reports of the events | View File |
| Any additional information | No File Uploaded |

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

4

| 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)

17

| 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 a sprawling 45 hectares of lush green campus. The state-of-the-art infrastructure augments learning and promotes a good teaching-learning environment. Totally 78 classrooms, 4 drawing halls, more than 68 laboratories, common workshop, central library, 2 auditoriums with audio video facilities, 4 Skill development centres, at least one seminar hall for each programme are available in the campus. Skill development centres are established in the classroom complex for enriching skills of UG and PG students. Separate computing centre, project labs, research laboratories and industry sponsored laboratories are available for the benefits of students.

In addition to the regular practical courses, the laboratory facilities are used for research activities and consultancy services that add to the Internal Revenue Generation (IRG) of the institute. Two centres of Excellence are established in the campus under TEQIP fund. Every department has computer laboratories and totally 986 computers are available for the regular computer and Programming courses and for conducting on-line examinations, aptitude tests and banking examinations.

The college has ICT enabled class rooms where the provision of multimedia learning, Wi-fi connectivity smart boards/Digital boards including LCD projector and internet.

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| 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.)

College has a playground of 46,816 sq.m. The ground has many sports facilities like Tennis court, Basketball, Volleyball, Football, etc. Apart from outdoor games, college has facilities of indoor games such as table tennis, carom, chess etc. College has a well-equipped gym facilities. Separate yoga centre is available for conducting Yoga programmes.

To encourage the extra-curricular activities among students, the college has Orchestra and 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 organises cultural festivals named Sangamam and MuthamizhVizha. Every year an art exhibition is conducted to facilitate to the students an opportunity to express their skills in the form of art.

Every Department conducts technical contests/symposiums in areas concerning their programmes. Seminar halls, classrooms and other amenities as required for the co-curricular activities are made available by the respective faculty co-ordinator. The planning and conduct of the activities are also supervised by the co-ordinators along with the student organising team. Main Auditorium, Open Auditorium and also classrooms are made available for these activities.

| 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 | View File |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

1898.67

| 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)

From 2007 to 2017 the Library used Smart Campus Software, which consists of Acquisition, Cataloguing, Barcode based Circulation, and Web OPAC. OPAC allows students to browse a book by author, title or any keyword and provides links to all electronic resources available in Library. From 2018 onwards Impres ERP Software Version: 2.0.50727.5483 is being used . Library is fully automated. Gate entry Register is maintained .In the Reference Section books are monitored by RFID and E-Gate. Library Campus is in pollution free lush green and picturesque environment conducive to learning and nurturing the dreams of students.

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.

Digital Library is functioning from March 2007 onwards with 55 Computers, Two Multi-function device, Books, CDS and Journal CDS.

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| 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 | A. Any 4 or more of the above | | | | | | | | |
|---|--------------------------------------|-----------|---|---------------------------|-----------------------------------|---------------------------|--|---------------------------|--|
| <table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership</td><td>View File</td></tr> <tr> <td>Upload any additional information</td><td>View File</td></tr> </tbody> </table> | File Description | Documents | Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership | View File | Upload any additional information | View File | | | |
| 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) | | | | | | | | | |
| 13.29 | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Audited statements of accounts</td><td>View File</td></tr> <tr> <td>Any additional information</td><td>View File</td></tr> <tr> <td>Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)</td><td>View File</td></tr> </tbody> </table> | 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 | |
| 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 | | | | | | | | | |
| 165 | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Upload details of library usage by teachers and students</td><td>View File</td></tr> <tr> <td>Any additional information</td><td>No File Uploaded</td></tr> </tbody> </table> | File Description | Documents | Upload details of library usage by teachers and students | View File | Any additional information | No File Uploaded | | | |
| 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 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 institute has a 24x7 WiFi facility in the college campus to avail internet connection at any place in the college & hostel. 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. Also the institute is using fortigate 600C with fortianalyzer firewall to prevent illegal access of internet.

Government College of Technology, Coimbatore uses web-based technology as a tool to support its missions of teaching, research, scholarship, artistic creation, professional practice, and service to the community. Enova Solutions Pvt. Ltd., Coimbatore maintains the Institutional Website. Designers from Enova Solutions Pvt. Ltd are responsible for designing/creating content that meets web usability and accessibility standards, ensuring the accuracy and timeliness of the information presented, publishing pages that represent professional design and quality, ensuring that web materials comply with Institute policy, privacy and information security.

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

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 2798 | 986 |

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |

4.3.3 - Bandwidth of internet connection in A. 50 Mbps

| | |
|---|--|
| the Institution and the number of students on campus | |
|---|--|

| 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

A. All four of the above

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | No File Uploaded |
| 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)

54.38

| 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 institute has adequate classrooms, laboratories, computer centers, library and sports complex which caters to the needs of students. The Head of departments have assigned faculty in charge to ensure proper utilization and maintenance of

facilities. The Internal Quality Assurance Cell (IQAC) of our Institute carries regular internal academic audit. Feedbacks are obtained from stakeholders such as parents, Alumni, employer, industries, students. PWD wing of Technical Education carries the maintenance works. To cater to the academic and research activities, the institute has well established laboratories, industry supported laboratories.

Regular maintenance of equipment is required for proper functioning of the equipment. Equipments are purchased through e-procurement method following the norms and procedures.

The college library is equipped with all learning materials including books, journals, e-journals, code books, magazines, articles, etc. that facilitates students to use library effectively. Reprographic facilities and Digital library are available for the use of students

A stadium is available for practicing extracurricular activities. Regular practices of sports and annual sports meet are conducted in this facility. The Directress of Physical Education is responsible for conducting all sports related events- Inter and Intra college competitions and also Zonal, District and National Level competitions.

| 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

1767

| 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

457

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

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

C. Any 2 of the above

| File Description | Documents |
|---|---------------------------|
| Link to Institutional website | Nil |
| Details of capability development and schemes | View File |
| Any additional information | View File |

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

50

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| Number of students benefited 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

B. Any 3 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 | No File Uploaded |
| Upload any additional information | View File |

5.2 - Student Progression

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

515

| 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

7

| 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

25

| 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

The students play an active role in academic and administrative committees of the institution. Student participation includes academic committees like Board of studies for framing the curriculum and syllabus. Based on the students' views, the curriculum and syllabi are revised. The students are the members

in class committee meeting, which is conducted twice per semester to monitor the Teaching - Learning process. The students also play a representative role in the various club activities and Department association activities. The students play a role in the administrative bodies like being a representative in Placement activities, Mentoring the junior students.

| 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

19

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

5.4 - Alumni Engagement

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

Some common activities and services offered by alumni associations include:

1. **Networking:** gSARC (GCT Student Alumni Relationship Cell) is an initiative by GCTAA to revitalize relationships between the institution and the alumni
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
4. **Through Alumni Assist,** Alumni's contribute their time and expertise by serving as mentors, guest speakers, chief guest in institution department symposiums
5. **Fundraising and Scholarships:** Encourage alumni to donate

to specific projects or initiatives, and establish scholarship programs to support current students.

6. Alumni Directories: <https://www.gctalumni.org.in/dir.dz> is an online platform that helps to search alumni and connect with fellow graduates facilitating networking and collaboration among alumni.
7. Communication and Publications: Associations keep alumni informed about institutional updates, achievements, and alumni-related news through <https://www.gctalumni.org.in/newsroom.dz>.
8. 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.
9. 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 | No File Uploaded |
| Paste link for additional Information | https://www.gctalumni.org.in/newsroom.dz |

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 to improve teaching-learning process

3. To encourage research and consultancy, industry-institute interaction and entrepreneurship activities.
4. To strengthen alumni engagement and enhance student experience.
5. To enhance contribution towards society and the environment.
6. To formulate development plans to improve the overall quality of the institute

Curriculum Development:

1. Curriculum has been revised following the guidelines of AICTE model curriculum. More emphasis are given to employment enhancement, skill development courses in 2018 Regulations with more number of subjects in the open elective category.
2. It has been insisted to carry design of components/ structures as the mini project.
3. Feedbacks from Alumni, Industrial experts, Subjects experts from other premier institutions and student stakeholders are also considered and incorporated in the syllabus.
4. Industry based electives were incorporated in the new curriculum.

Teaching and Learning:

1. Online courses like NPTEL, Swayam etc., are helpful for enhancing Teaching and learning process.
2. Smart class room teaching and use of IoT tools are adopted.

Examination and Evaluation:

1. There is a complete transparency in the examination system,
2. Almost for all the subjects, detailed key is obtained from the question paper setter and given to the examiner during valuation.
3. The students are given opportunity to review their evaluated answer sheets immediately after the publication of results and they can apply for revaluation if they are not satisfied with the evaluation.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://gct.ac.in/bog-minutes |
| 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

C. Any two 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 | No File Uploaded |

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.

All the faculty members who upgrade their research work through quality publications during the academic year are honored by institution through Academic Award Ceremony.

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

6

| 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

4

| File Description | Documents |
|--|---------------------------|
| Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres) | View File |
| Upload any additional information | No File Uploaded |

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.)

46

| 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)

52.6175

| 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 | No File Uploaded |
| 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

Two examples of IQAC-supported institutional review and training learning reforms:**Academic Audit:**

Academic audit are conducted once in a year comprising of one internal audit and one external audit each semester for enhancing the quality of the programme. The Academic audits are conducted as per ISO standards and evaluated. Detailed audit was conducted on the curriculum and development, student aspects, Teaching learning evaluation processes and faculty academic improvement programmes.

Use of ICT in teaching and learning:

The use of ICT tools has become an integral part in teaching-learning process. IQAC always encouraged teachers to utilize these tools in academic and laboratories. Periodically IQAC has trained teachers and non-teaching staff to use ICT tools i.e. Google Classrooms, Video Lecture preparation, Video conferencing, use of e-mail, handling ICT instrument etc., by arranging different workshops. The educational use of social media has also been utilized to establish communication with the students and peers. In teaching and learning, the feedback system is implemented to take the review of reliability and uses of ICT facilities.

| 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/aqar-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 Women and Health, Gender Development and Globalization, Women Rights in India, Values and Ethics address issues related to Women are offered. 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.

The institution ensures that women participate in all activities. The following are some of the specific initiatives by the institution to ensure female student's involvement in all academic, co-curricular, and extra-curricular activities. ? Gender sensitization programs for all students, faculty and staff members to prevent all forms of violence ? Celebration of International Women's day 8 th March every year ? Seminars and Workshop on gender equality In our institution, 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. In our institution, out of the faculty strength, 55% are women.

| 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

B. Any 3 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

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | View File |
| Geotagged photographs of the facilities | View File |
| Any other relevant information | 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
4. Ban on use of plastic
5. Landscaping

B. Any 3 of the above

| File Description | Documents |
|--|---------------------------|
| Geotagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | View File |
| 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

D. Any 1 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 | No File Uploaded |

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

A. Any 4 or all of the above

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

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 reput 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.

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.

Motivational lectures are conducted by inviting eminent persons from various academic institutions to help the progression of the students for their personality development, and to build them a responsible citizen following the national values and integration.

| 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 the constitution of India as a mandatory 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 the 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 citizens. 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 the Indian Constitution. Independence Day is also celebrated every year to highlight the struggle of freedom and importance of the 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 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

D. Any 1 of the above

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

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

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.

NATIONAL DAYS

Independence Day celebration:

76th Independence Day celebration was held on August 15, 2022 in the campus in spite of this pandemic situation by following social distancing norms. The flag hoisting was done by Principal Dr. P.Thamarai accompanied by the National anthem and everyone saluting the National flag created a different ambience in the premises.

Republic Day Celebration:

Republic Day is celebrated on 26th January every year at GCT. The 74th Republic day ceremony began with the hoisting of the tricolour flag by Principal, Dr. P.Thamarai. She addressed the gathering on the importance of freedom, rights, duties, and responsibilities of citizens. March past was conducted by the NCC cadets of GCT.

INTERNATIONAL DAYS

Women's Day :

International Women's Day is celebrated in many countries around the world. It is a day when women are recognized for their achievements without regard to divisions, whether national, ethnic, linguistic, cultural, economic or political. By this way every year the Women's Day is celebrated amongst the teaching and Non teaching staff members of GCT in a grand manner. This year also, we celebrated by conducting various events to showcase the talents of each individual and ended happily.

| 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

<https://gct.ac.in/best-practices>

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://gct.ac.in/best-practices |
| 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 lays a huge priority on achieving the Program Educational Objectives which describe the career and professional accomplishments that the program is preparing graduates to achieve over a period of 3 TO 4 years after their graduation. Accordingly, the students are exposed to various aspects of learning apart from classroom alone, while they are

in the campus, to shape them as true professionals rather than mere graduates of engineering and technology. To achieve this GCT has 42 different clubs. This distinctiveness of the Institution is reflected in the quality of the alumni base which is on par with any other institution of repute in the country.

GCT seeks the involvement of its Alumni in all aspects of Governance by considering them prominent positions in all its administrative and academic bodies such as Governing Council, Academic Council and the Boards of study. GCT considers the 78 batches of Alumni as its brand ambassadors in the true sense, they are always considered as an invaluable asset to the institution. New ways of bringing the alumni across the world is constantly explored and executed. The priority and thrust is always towards that and the success in achieving the same the most distinctive feature that the institution feels proud of.

| File Description | Documents |
|---|---|
| Appropriate link in the institutional website | https://gct.ac.in/institutional-distinctiveness |
| Any other relevant information | No File Uploaded |

7.3.2 - Plan of action for the next academic year

- All UG and PG Programmes should offer Industry based elective. At least partial course delivery should be from the industry.
- Introduction of Professional Readiness courses as Value Added Courses
- Laboratory manuals are to be prepared at three levels.
 - Level 1: Experiments as per syllabus
 - Level 2: New experiments beyond syllabus
 - Level 3: New experiments to support Fast learners
- Inter-disciplinary competitions are to be conducted in the campus, which will also give impetus to the inter disciplinary projects
- Certified auditors have to do green energy and environmental audits

- Senior faculty members shall focus on administrative, research and consultancy activities in order to promote better academic, research and entrepreneurship culture in the campus