YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	GOVERNMENT COLLEGE OF TECHNOLOGY
• Name of the Head of the institution	Dr.P.Thamarai
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04222432221
• Alternate phone No.	04222453040
• Mobile No. (Principal)	04222453040
• Registered e-mail ID (Principal)	principal@gct.ac.in
• Address	Government College of Technology, Thadagam Ro
• City/Town	Coimbatore
• State/UT	Tamil Nadu
• Pin Code	641013

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) — **30/05/2018**

- Type of Institution — **Co-education**

- Location — **Urban**

- Financial Status — **Grants-in aid**

- Name of the IQAC Co-ordinator/Director — **Dr. R. Thenmozhi**

- Phone No. — **04222432221**

- Mobile No: — **9443440631**

- IQAC e-mail ID — **iqac@gct.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://gct.ac.in/sites/gct.ac.in/files/AQAR%21%20-%20Report.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/academic-schedule**

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.21**	**2018**	**02/11/2018**	**01/11/2**

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 etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amoun
GCT/CSE	Research Promotion Scheme	AICTE	18/02/2022	16.7
GCT/EEE	Student Project scheme	TNSCST	08/03/2022	Rs.75
GCT/EEE	Student Project Scheme	TNSCST	15/03/2022	Rs.75
GCT/Civil Engineering	Research Promotion Scheme	AICTE	10/08/2021	Rs. 5
GCT/Industrial Biotechnology	Research Promotion Scheme	AICTE	19/08/2021	Rs. 5
GCT/Industrial Biotechnology	Research Promotion Scheme	AICTE	08/09/2021	Rs. 5
GCT/Industrial Biotechnology	Student Project Scheme	TNSCST	12/09/2022	Rs.2,
GCT/Dr.R.Chithra	RW Chapman medal 2020	Engineers Australia	08/11/2021	Award
GCT/Dr.S.Chithra	International Best Researcher Award	International Society for scientific netword awards	03/11/2022	Award
GCT/Dr. P. Maruthupandi	Indo Asian Best Scientist Award 2022	REd talks international Academic	28/02/2022	Award
GCT/Dr.R.Rajeshwari	Certificate of Excellence – Distinguished fellow	National Foundation for Entreperneurship Development (NFED)	05/09/2022	Award

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the   **View File**

composition of the IQAC by the HEI	
9.No. of IQAC meetings held during the year	**4**
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	**Yes**
10.Did IQAC receive funding from any funding agency to support its activities during the year?	**No**

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

• **Programmes like workshops, seminars are organised Faculty members hav motivated and facilitated to attend faculty development training progra and workshops in reputed organisations with financial support.**

• **Students of all the branches have attended internship programmes in v Organisations.**

• **Placement Cell has organised workshops related to Entrepreneurship activities, career Awareness programmes.**

• **Students are motivated to participate in Smart India hackathon and va competitions, etc.,**

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

Plan of Action	Achievements/Outcomes
• **Initiation should be taken to get Accreditation for more Departments.**	• **SAR submitted to NBA for 4 UG in Septem 2022 and expecting NBA committee visit on December 2022.**
• **Faculties should be motivated to publish the research articles in high impact factor journals.**	• **Totally 138 papers have been published national and International journals with impact factor ranging from 0.1 to 15.0 in academic year 2021-2022.**
• **Activities to improve students' Placement.**	• **Career development/guidance programme h been organized by the departments and stu quality circle. Some of the Alumini are mentoring the few students in various departments to enhance the quality of the students. Industry oriented talk series a**

	training programmes have been arranged fo students.
• Participation in the programmes organised by other Institutions.	• Many faculty members attended FDP, Work and Training Programs etc in reputed organizations.
• Faculty members are motivated to register for online course for quality improvement and Career advancement.	• Many faculty members have obtained certificates by participation in the onli SWAYAM and NPTEL courses.
• Students should be motivated to participate in Competitions.	• Many students of GCT, CBE have particip in various completions and won Prizes/Awa To cite few, Third Year Production Depart students have secured 2nd place (first Ru up) and won cash prize in a National Leve event called NAVYANTRA, a hardware hackat with an open problem statement, conducted Indian Institute of Technology (Indian Sc of Mines), Dhanbad.
• Every department should sign MoU with minimum 2 companies per year. All the departments have signed MoU with minimum of one company and some departments have signed two MoUs in the academic year 2021-2022.	• All the departments have signed MoU wit minimum of one company and some departmen have signed two MoUs in the academic year 22. • GCT signed MoU with Godigital, Aust for benefit of students in Internships an Project works.
• Each department should organize Conference / workshops / FDP in every academic year.	• All the departments have organized Facu Development Training programs/Workshops e and few Departments have organized International Conferences and Workshops.
• The average pass % of passed out students should be more than 90%.	• The average pass % of passed out UG stu in 2021-2022 is 99.8% and PG Students is
• Training Programmes should be organized for students to compete in competitive examinations like GATE, TOFEL, CAT, MAT, etc., and to improve placements.	• GCT Alumini Association conducted stude Mentorship Program 2021 and Alumini Relat Cell conducted online training sessions f GATE, Higher Studies and Placements for Students. • TNDSC need based Foreign Lang Training Courses on German, French and Ja languages for UG students is initiated. • Coaching for GRE, TOEFEL has been started 28.03.2022.

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
External Peer Review Committee	19/11/2022

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2019	09/02/2019

15.Multidisciplinary / interdisciplinary

Open electives have been offered to the students from 2016 Regulations inculcate interdisciplinary projects.

Interdisciplinary projects are permitted from 2019 onwards (Regulation Amendment).

Students are actively participated in the Smart India Hackathon and won prizes in interdisciplinary projects. Every year Internal Hackathon is conducted in each department.

Awareness Programmes are conducted among students to motivate and do interdisciplinary projects.

16.Academic bank of credits (ABC):

National Academic Depository (NAD) Id is created for all the students.

17.Skill development:

Soft skill courses and value added courses have been introduced in the curriculum. One of the Skill development programme under Naan Muthalvan Skill development Progrmmes are conducted for Under Graduate (Second, T and final year) Students by Industry experts.

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

Two regional Language subjects Namely Heritage in Tamil and Tamil and Technology in 2022 Regulations for Under Graduate Students.

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

The curriculum and Assessment is focused towards outcome based educatio 2012 Regulations onwards. All the four verticals have been effectively implemented in all Under Graduate and Post Graduate Programmes.

20.Distance education/online education:

-Not Applicable-

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	20

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	2892

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	878

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	2597

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	808

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	150

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	209
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	634
4.2 Total number of Classrooms and Seminar halls	68
4.3 Total number of computers on campus for academic purposes	1350
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	124

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	No File Uploaded
Link for additional information	NA

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

7

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

215

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	No File Uploaded

1.2 - Academic Flexibility

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

4

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

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

20

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

1.3 - Curriculum Enrichment

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

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 check-up 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

3

File Description	Documents

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

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

185

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

1048

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

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	**https://drive.google.com/drive/u/1/folders/14G5RzKP-OEEJ8FTZihchatiK1l_1ZExI**
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	**B. Feedback collected, analysed and action taken**

File Description	Documents

Provide URL for stakeholders' feedback report	**https://drive.google.com/drive/u/1/folders/14G5RzKP-OEEJ8FTZihchatiK1l_lZExI**
Any additional information	**View File**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

640

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)

596

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:

Strategies for slow learners

1. Remedial Classes are conducted to improve the academic performance of the slow learners
2. Extra classes and lab sessions are conducted to students who are unable to attend regular classes and laboratory sessions due to participation in Extra-Curricular and co- curricular activities enable them to coup up with their peers.

Strategies for advanced learners

1. Alumni interactions were encouraged through online to provide different dimensions of engineering.
2. Various industry expert guest lecturers were organized to provide Industry exposure to the students.
3. Skill Development Programme like Communicative English, Aptitude are conducted.
4. Trained for placement, GATE and other competitive exams.
5. Assignment and Student Seminars on contemporary topics to enable them for placement.
6. The academic achievements of the students are extremely motivated by honoring them with Medals on Award day ceremony and Graduation Day.
7. 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.
8. 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.
- Debate, Group Discussion, Problem Solving – Decision Making Exercises and Quiz Programmes.
- Extra-curricular activities, exhibitions and cultural

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/05/2022	3007	133

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

GCT provides platform to grow, develop skills and nurture values that shape young minds. Student oriented innovative programs to stimulate creativity, enhance problem solving capabilities and ensure participative learning are conducted. Following student centric methods are adopted:

Experiential Learning: 1. Beyond syllabus laboratory sessions and periodic Industrial visits 2. Hand on training through summer internships are made compulsory 3. Student clubs like Society of Automotive Engineers, Institute of EEE, Robert Bosch IRSC, e-yantra Robotics, IoT, Coding club, Yellow Cap Community, Centaurus Aerospace Society and Standards clubinstigate the spirit of innovation 4. Value added Certificate courses from MOOCs, NPTEL, edX, MNCs like Microsoft/ Google/ NSE etc., enhance subject knowledge 5. Participation in Simulated stock exchanges and hackathons help students work on real life scenarios.

Participatory Learning: 1. Techfest, Symposia for Paper, Project and Model/Poster presentations for every department is conducted annually and students are encouraged to take part in Inter-college / Nationwide conferences, seminars too. 2. To enhance student Managerial skills activities like English Literature Society and Tamil Mandram events are held to inculcate extra-curricular skills The Annual cultural program organized for students is an arena for creativity

Problem-solving Skills: Student Mini Project development, Solution to Environmental Problems, Regular Quizzes, Case studies, Debates, in inter-intra college help students acquire problem solving qualities.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	https://gct.ac.in/students-achievement

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

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institute, ICT Tools:

Number of teachers using ICT (LMS, e-

Resources)

ICT tools and resources available

Number of ICT enabled classrooms

Number of smart classrooms

E-resources and techniques used

133

4

20

7

133

Use of ICT By Faculty 1. Power Point Presentations- Faculties use power-point presentations for teaching using LCD's and projectors. Access to online search engines and websites is provided through digital library. 2. Industry Connect- Guest lectures, expert talks and various technical competitions are organized for students in the wellequipped seminar and conference halls. 3. Online quiz- Online quizzes are conducted for students after the completion of each unit through GOOGLE FORMS/ Yahoo+/ 4. Video Conferencing- Student Counselling is offered via Zoom / Google meet applications. 5. Video lecture- Recorded Video Lectures are made available for long term learning and future referencing.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	**https://gct.ac.in/video-lectures**
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

70

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

An Academic committee is formed constituting the Principal, Vice Principal, HODs, Industrial experts and university nominees to formulate academic regulations, curriculum, academic schedule, monitor teaching and learning quality.

1. Academic calendar The Academic Committee collects the plan of action and puts forth a well-planned Academic calendar which is displayed in the notice boards and website for student access. The calendar clearly covers the days of instruction, holidays, examinations and vacations. In case of unforeseen situations necessary changes are made by the authorities and is displayed in the notice boards and websites.

2. Teaching Plan A unit-wise teaching plan of the course content, spread over the allotted lecture hours, is prepared to ensure a uniform pace of teaching by the respective faculty as directed by the HODs before commencement of semester course work.

An Outcome Based Education prescribed by NBA 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

133

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

82

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)

1482

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

30

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 institution follows the Choice Based Credit System Relative grading system is followed. The regulations and curriculum have the following provisions that includes Add/Drop courses, Self-study courses, Internship, Project/Mini Project, Field visit, Language Laboratory, Withdrawal of courses, Internship Training, Open Electives, Additional Activity Points, Value added courses, Credit Transfer offered through SWAYAM/MOOC courses, Audit and mandatory courses and Break of study permitted 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 was ascertained by allowing the students 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 followed by applying 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. Challenging the revaluation is permitted. In such a case, Join Revaluation is carried out by two subject experts and the results are declared within 2 days. Refund of 50% Fee, if the failed

candidate gets pass mark after revaluation. Auditing the end semester question papers and answer scripts valuation.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	**https://gct.ac.in/regulations-2018**

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 Outcomesare framed for all courses in the program during the commencement of the semester based on Blooms' Taxonomy which includesvarious levels like:

•Remember

•Understand

•Apply

•Analyze

•Evaluate

•Create

Head of the departmentalong with subject faculties and subject and industrialexperts discuss and frame the Course Outcomes. All Learning Outcomes (PO, PSO, CO) would be communicated properly among faculty, staff, and students

•Students are educated with the outcomes of each course before the commencement of the subject by subject incharge

•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 of class record ,Lab Manuals, Course files, Course End Survey, Alumni Survey, graduate 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	**NA**

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 150 marks are allotted on three internal examination and 45 marks on three assignments and 15 marks for Quiz. Analysis of end semesterexam 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	No File Uploaded
Paste link for additional Information	**NA**

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

853

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

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://drive.google.com/file/d/1oBZrxhA3u3uTG34rEZAEAlCbqSM_kEsH/view?usp=sharing

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 2021-2022.

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 document 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/bog-minutes**
Any additional information	**View File**

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

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

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	**No File Uploaded**
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

2

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

24.62

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

3.2.2 - Number of teachers having research projects during the year

05

File Description	Documents
Upload any additional information	**View File**
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

53

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

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

05

File Description	Documents
Supporting document from Funding Agencies	**View File**
Paste link to funding agencies' website	**https://gct.ac.in/sponsored-research**
Any additional information	**View File**

3.3 - Innovation Ecosystem

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

The institution has separate innovation and incubation cell. Required facilities and guidance were provided to uplift the students level. Most of the students apply their knowledge based on the societal needs. Necessary facilities such as peer reviewed journals were provided for reference for their development. Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized by the EDC. Vast Alumnus of GCT support the students by sharing their experience on their entrepreneurship in their fields.

The key objective of Incubation Centre is to collect innovative ideas from students and adapt their innovative ideas into Technological Innovations. Students develop their innovative ideas as a prototype that can be useful for Agriculture and Rural Development. All the departments in Government College of Technology were the recognized

Research Centres under Anna University, Chennai, Tamilnadu and most of the students were uplifted in their research carrier. Students carried out their innovations in designing won cash prizes in hackathon with an open problem statement. During the last five years around 120 PhD's are produced by the research centres established in the college and 62 research scholars are working actively in research centres under 55 recognised guides. Intra-level competition will be held among students to participate in HACKTHONs through Student Research Foundation cell. In addition to this, students are participating in various activities at national and international level every year and get inspiration about innovations.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**https://gct.ac.in/home**

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

35

File Description	Documents
Report of the events	**View File**
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	C. Any 2 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

34

File Description	Documents
URL to the research page on HEI website	**https://gct.ac.in/sponsored-research**
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

68

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

24

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

2761

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

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

3.4.6.1 - h-index of Scopus during the year

52

File Description	Documents

Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	**View File**
Any additional information	**View File**

3.5 - Consultancy

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

18.04

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

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

0

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

3.6 - Extension Activities

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

Our students are involved in Green Club, Literary and Debating Society, Students Research Foundation, NSS, NCC, YRC. Each department will organize a National Level Technical Symposium every year and get exposed to recent trends. Every year National Days such as Independence Day, Republic Day, Sadbhavana Diwas, Social Justice Day, Anti corruption Day, National Unity Day, National Integration Day, Voters Day, Abolition of un-touchability, Anti-Giving Day, World Day againt child labour and so on. Awareness on Swachh Bharath Abhiyan were circulated to public by creating videos and interacting with people.

Various other activities were organized by various clubs, help the students to get awareness on social issues for their development.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**https://gct.ac.in/62/rotaract-club**

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

4

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

200

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

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

8484

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

272

File Description	Documents
Copies of documents highlighting collaboration	**View File**

Any additional information	**View File**

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

13

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.

Campus area: 45 Hectares

Classrooms: 68

Laboratories: 67

Seminar Halls: 11

Classrooms with LCD facilities 43

Classrooms with Wi-Fi/ LAN: 68

Seminar halls with ICT facilities: 11

Video Centre: 2

No. of important equipment purchased (1.0 Lakh) during the current year.:14

Value of the equipment purchased during the year (Rs. in Lakhs) Rs. 42,32,287/- (Rs.42.32 Lakh)

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**NA**

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

The department of Physical Education offers facilities for various games and track events. An open-air Gymnasium equipped with parallel bars and horizontal bars affords ample scope to those who are interested inGymnastics.

A spacious stadium provides space for about 800 spectators to witness the proceedings at the college grounds. There is also a well-equipped Indoor gymnasium. The College auditorium has a seating capacity of about 850. It is equipped with a 35 mm projector and a widescreen, which is utilized for screening pictures.

Floor area: 1027 sq. m.

Area of cabin: 12 sq. m.

Area of stage: 50 sq. m.

Sound system: 100w

No. of green rooms: 2

File Description	Documents
Geotagged pictures	**View File**
Upload any additional information	No File Uploaded
Paste link for additional information	**NA**

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

11

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

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

432.90817

File Description	Documents
Upload audited utilization statements	**View File**
Details of Expenditure, excluding salary, during the years	**View File**
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Name of the ILMS software:Dolphin Software Solutions Pvt. Ltd. Nature of automation (fully or partially): Fully Version:2.0.50727.5483 Year of automation:2017 (24.03.2017)

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**NA**

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**B. Any 3 of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	**View File**
Upload any additional information	**No File Uploaded**

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

33.0280

File Description	Documents
Audited statements of accounts	**View File**
Any additional information	**No File Uploaded**
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

20

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

Institutional Website: 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 SolutionsPvt 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.

Institute Website Management Committee: The College Website Committee will oversee, interpret and revisethe current website policy. The Website is managed/maintained by the following Institute Website Management Committee members: 1. Dr.P.Thamarai, Principal, Government College of Technology, Coimbatore. 2. Dr.R.Thenmozhi, Professor and Head, Structural Engineering. 3. Dr.J.C.Miraclin Joyce Pamila, Professor, Computer Science, and Engineering. 4. Dr.A.MeenaKowshalya, Assistant Professor, Computer Science, and Engineering. To publish any content int the Institute Website, the abovementioned hierarchy is followed. After careful scrutiny of the informationcontent and through the proper channels the information ispublished/ updated on the Institute's Website

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**NA**

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3007	**1350**

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	**View File**

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media	**C. Any two of the above**

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	NA
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)

63.06

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.

Maintenance of Infrastructure The PWD and Electrical Wing and Directorate of Technical Education monitor the maintenance of buildings, classrooms, and laboratories. A Building committee consisting of 5 expert members scrutinizes all proposals for new constructions and modifying existing buildings. Maintenance of Laboratory Equipment As and when required, the institution takes up calibration and other servicing measures for the equipment/instruments through suppliers and service personnel periodically and in some cases through annual maintenance services. The departments maintain complete records of such services. Other laboratory equipment is maintained by technical supporting staff. General Security Measures Trained Security Personnel are deployed at the college's maingate, at all the department blocks, and at hostels. Under the supervision of a security officer, they keep a constant vigil for all the movements inside the campus, take care of the security of all the equipment in the buildings, and also check allthe outsiders entering the campus. CCTV Cameras are installed in various vantage points inside the college campus. The campus is equipped with CCTV cameras in main places with a 24x7 security system.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA

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

1532

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

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

348

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	**E. None of the above**

File Description	Documents
Link to Institutional website	**NA**
Details of capability development and schemes	**No File Uploaded**
Any additional information	**No File Uploaded**

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

14

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

5.1.5 - The institution adopts the following mechanism for redressal of students'	**A. All of the above**

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

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	**View File**
Details of student grievances including sexual harassment and ragging cases	**View File**
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

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

405

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

30

File Description	Documents
Upload supporting data for students/alumni	**View File**
Details of students who went for higher education	**View File**
Any additional information	**View File**

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

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

27

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

5

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
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

- **All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least thrice in each semester.**
- **Manavarmandram had been organized various student activities during Februray-March, 2022 for students namely, Village dance, silent drama, Villupattu etc., these activities are conducted for revealing the tradition and creativity of the students. In this, we conducted many solo events and group events.**
- **Students actively participating in various clubs like Y's international,Rotract club,Yellow cap commnity andGreen club etc..through this the students are contributing towards societal activities like blood donation camp and Cleaning of villages etc.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**NA**

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

0

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

5.4 - Alumni Engagement

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

GCT Alumni Association (GCTAA) is making tremendous contribution in preserving the glory and heritage of the institute through innumerable quality initiatives for the welfare of the students. Even during the pandemic, GCTAA ventured it's best through online to empower the students of this institute acquire academic excellence, foster values and create global competency with the help of Legendary Alumni. The aesthetic portal that exhibits the Alumni participation has established a strong attachment between the present day Students and Alumni. The virtual meets organized during 2021-2022 is as follows.

- " Digital Transformation" by Ms.Shrividya Narayanaswamy Chandrasekaran, 2003 Civil
- " Why startup is good for your career and how to get into it" by Mr.Bargava 2002 Mechanical 26-06-2021
- "Buckle Up Mentors" - Mr.Ashokkumar Jothimani, CEO of Execelencia iTech Consulting on24-07-2021
- " Relearning Sivagamiyin Sabatham" - Ms.Niranjana Balasundaram on 07-08-2021
- " Current Tech Trends - A Valley Perspective" - Mr.Raj Madhuram GCT 1995 CSE
- gSARC A Year in Review on 27-02-2022
- Interaction with Mr.Fali H GCT 1946-50 on 27-02-2022
- GCT Alumni Rally 2022 on 27-02-2022
- Reunion 1980 Batch GCT on 20-06-2022

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	www.gctalumni.org.in

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	**NA**

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 ofvarious 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	**No File Uploaded**
Paste link for additional Information	**NA**

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 modelcurriculum. More emphasis are given to employment enhancement, skill developmentcourses 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	**NA**
Upload any additional information	**No File Uploaded**

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	**NA**

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	**No File Uploaded**
Paste link for additional information	**NA**

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

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	**No File Uploaded**

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

5

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.)

55

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	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Like purchase committee, financial committee has been constituted to allocate funds for various activities and it is placed before the Governing council for getting approval. At the end of the financial year, account details are audited by external Auditor nominated by Directorate of Technical Education and the final audited report is submitted to DOTE.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**NA**

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)

1.85

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 andmaintenance of fixed assets.

•Enhancement of library facilities needs to augment learning practices and accordinglyrequisite funds are utilized every year.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	NA

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	No File Uploaded
Paste link for additional information	NA

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

Academic Audit:

Academic 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	**NA**

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	**No File Uploaded**

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

The institute under the aegis of different clubs conducted various programs for the promotion of Gender equity. Both male and female students took part in it and gained maximum benefits. Women Entrepreneurship program was conducted to make women self-reliant. Most

of the Administrative positions are occupied by Female faculty members in our Institution.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional Information	**NA**

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	**C. Any 2 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 form 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 converter. The manure produced from composting is packed and stored. The stored manures are used for the gardens and plantationsin the campus. The paper wastes hostels, office and departments are segregated and disposed through local recyclers

E-waste Management

The ewasteslike mobile phones, chargers and outdated computers from various sources like departments, hostels etc., are collected and disposed through local vendors.

Air Pollution Monitoring:

The ambient air quality inside the campus is monitored periodically. The pollutants namely particulate matters, SO2 and NO2are monitored and checked with ambient air quality standrds. The indoor air quality also monitored by air quality monitoring equipments available in the department 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	**No File Uploaded**
Any other relevant documents	**No File Uploaded**

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	**View File**

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

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of facilities	**View File**
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	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 repute of nurturing endurance and peace among the students through various activities conducted throughout the year by the Youth Red Cross, Green Club, National Service Scheme, National Cadet Corps, Rotoract Club, etc. Different programs and activities conducted throughout the academic year help students develop mutual understanding and it creates a harmonious environment.

To start with, Literary & Debating Society and Tamil Mandram kindle students' flair for languages and their thirst to develop language skills. Besides, their association with people of different places naturally builds harmony with the people around them. NSS activities motivate students to render their service to people or hamlets in and around Coimbatore which lacks facilities. The camp programs enhance students' inner strength and confidence to tackle odd situations in life.

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 through curriculum and co curricular activities.

In addition to this many regular programs are conducted by Women Empowerment cell of the institute to educate women about their rights. Also seminars and workshops are conducted on days of national importance on various rights, duties and responsibilities of citizen. Seminars on topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically. Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution.

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

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this	C. Any 2 of the above

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	**No File Uploaded**

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

The institution celebrates National Commemorative days and organizes International days through various clubs every year. Importance of national festivals and events preach and remind them about our country's cultural heritage and history.

GCT celebrates Independence Day and Republic Day every year with vigor. NCC Cadets take rigorous training and do march past on every Independence Day and Republic Day. The principal hoists the national flag and students give patriotic speeches, sing patriotic songs. As part of the program, different competitions are conducted and prizes are distributed to motivate students. Pongal ceremony is conducted every year in the open auditorium to preserve our culture. Various competitions related to our culture are conducted to give awareness to employees and students about our culture.

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

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)

Our Institution is always committed to ensure that, every student has to exhibit their skill professionally. It is a shared common desire to rise, to succeed and create a better future for themselves their families and society at large.

The Institution organizes Skill Development Programs; Competitions like Hackathon, Project Expo and Knowledge sharing with Alumni were also organized. TEminent expert members of nationally reputed people are invited from academic /organization /industries for seminar, workshop, conferences etc.

All the faculty members prepare the lesson plan for their respective courses well advance before the commencement of semester. The Teaching - learning environment is changed to activity based learning by adopting the following methods such as,

- Extensive use of online – content (NPTEL) and other Video lectures to support the Class room teaching.
- Every Faculty member is allotted with 15-20 students to whom they acts as a mentor/Counselor.

Feedback System :All Students will give feedback about the Teaching faculty at the end of each semester. Based on the feedback Action taken will be done periodically

The Principal encourages all the faculty members to submit research proposal to various funding schemes.Faculty members are motivated for Journal publications in highly reputed Journals.Periodical academic audit will be carried out to ensure the Quality of curriculum ,teaching, learning and impact of OBE.

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

New initiatives in Curricular Aspects

Few Professional Elective courses(2018 Regulations) in B.E. Degree Programme for 2021 batch shall be introduced in the focus areas of AI, IoT, CPSs, ML etc. All UG and PG Programmes should have tie up with industries for promoting research andindustrial collaboration (for Thesis guidance and to offer industry based elective) New initiatives in Research, Innovations and Extensions Number of highly cited research publication is to be increased to 3 per faculty per annum. (Target : 125 faculty x 3 = 375 Publications) All PG students should publish research articles/papers in peer reviewed journals.(Mandatory) Attempt has to be made for coordinating National Accreditation Board for Testing and Calibration Laboratories (NABL) Accreditation activities to enhance Consultancy in all departments. □ To encourage students to undertake interdisciplinary projects. Laboratory manuals(New experiments) shall be sent for IPR

New initiatives in Infrastructure and Learning Resources Purchase of Turnitin software for plagiarism checking New initiatives in Student support & Progression Capacity development and skills enhancement activities shall be organised for improvingstudents capability 1. Soft skills ,Language and communication skills,Life skills (Yoga, physical fitness, health and hygiene) andAwareness of trends in technology New initiatives in Institutional Values and Best Practices Certified auditors have to do green energy and environmental audits