



Yearly Status Report - 2019-2020

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 own campus		Yes
Phone no/Alternate Phone no.		0422-2432221
Mobile no.		9486558500
Registered Email		principal@gct.ac.in
Alternate Email		gctcbe@gct.ac.in
Address		Government College of Technology, Thadagam Road
City/Town		Coimbatore
State/UT		Tamil Nadu
Pincode		641013

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	30-May-2018																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	state																		
Name of the IQAC co-ordinator/Director	Dr .R. Thenmozhi																		
Phone no/Alternate Phone no.	04222432221																		
Mobile no.	9443440631																		
Registered Email	iqac@gct.ac.in																		
Alternate Email	drthenmozhi@gct.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://www.gct.ac.in/aqar-report																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.gct.ac.in/academic-schedule																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.21</td> <td>2018</td> <td>02-Nov-2018</td> <td>01-Nov-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.21	2018	02-Nov-2018	01-Nov-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.21	2018	02-Nov-2018	01-Nov-2023														
6. Date of Establishment of IQAC	14-Nov-2017																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
Faculty members of all the branches permitted to	01-Jun-2019 14		172																

attend Faculty Development Programs and workshops for quality enhancement with financial support		
NIRF Ranking	11-Jun-2020 1	145
Internal Academic audit	29-Oct-2019 2	38
d) 4th IQAC meeting of 2019-2020	02-Jun-2020 1	18
c) 3rd IQAC meeting of 2019-2020	01-Mar-2020 1	18
b) 2nd IQAC meeting of 2019-2020	25-Nov-2019 1	18
IQAC conducts regular meetings to discuss the various criteria of NAAC a) 1st IQAC meeting of 2019-2020	02-Sep-2019 1	18
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Govt. College of Technology	TEQIP	MHRD	2018 730	70000000
Govt. College of Technology/Civil	TEQIP-CoE ES	MHRD	2018 730	15000000
Govt. College of Technology/EEE	TEQIP-CoE AER	MHRD	2018 730	15000000
Govt. College of Technology/EEE	STTP	AICTE	2019 14	249333
Govt. College of Technology/CSE	RPS	AICTE	2018 730	644000
Govt. College of Technology/Civil	Students Project Scheme	TNSCST	2019 180	7500
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Programmes like workshops, seminars are organised Faculty members have been motivated and facilitated to attend faculty development training programmes and workshops in reputed organisations with financial support. Students of all the branches have attended internship programmes in various Organisations EDC has organised workshops related to Entrepreneurship activities, career Awareness programmes with the financial support from TEQIP. Students are motivated to participate in Smart India Hakathtan competitions

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Faculties should be motivated to publish the research articles in high impact factor journals.	Totally 118 papers have been published in national and International journals with the impact factor ranging From 0.1 to 5.0 in the academic year 2019-2020.
Employability Skill Test programmes to students of all branches	The placement percentage has improved to 5% in 2019-2020 through the Employability Skill Test and Training.
Motivating faculty members and Research Scholars to obtain patents	Dr.K.Ramesh and their Research students have obtained one patent for their research work and applied for one more patent.
Participation in the programmes organised by other Institutions	Many faculty members attended FDP, Workshops, Training Programs etc in reputed organizations.
Faculty members are motivated to register for Online course for quality improvement and Career advancement.	68 faculty members have obtained certificates by participation in the online SWAYAM and NPTEL courses
Students should be motivated to	GCT, CBE, the only institute from

participate in Competitions	Tamilnadu, is selected for participating at SAE International's Baja SAE Completion in USA with 100 top universities all over the Globe and secured 8th place out of 120 teams in Cost Evaluation in Baja SAE Completion.
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 2019-20	All the departments have signed MoU with minimum of one company and some departments have signed two MoUs in the academic year 2019-20
Each department should organize Conference / workshops / FDP in every academic year. All the departments have organized Faculty Development Training programs./Workshops etc	All the departments have organized Faculty Development Training programs./Workshops etc
The average pass % of passed out students should be more than 90%.	The average pass % of passed out UG students in 2019-2020 is 70% and PG Students is 90%
More than 20 of the students should get eligible scores in competitive examinations like GATE, TOFEL, CAT, MAT, etc.,	7 of students have got eligible scores in GATE exams.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
External Peer Review Committee	29-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	20-Jul-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	09-Feb-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	1) Online web portal to facilitating students related matters like a)
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payment of college fees b) hostel fees c) Scholarships d) downloading Hall tickets and Bonafide certificates. 2) Students can enrol and register the courses of study for the ensuing semesters. 3) Webportal for faculty members to make entries of both attendance and internal assessment marks and the consolidated report can be generated. 4) The MIS system supported by TEQIPIII has provision for managing Academic details of students and faculty members. 5) Purchase of equipments and Goods under state fund is done through eprocurement process. 6) Fully automated IIMS software (version 2.0.50727.5483) that helps in the complete automation of library from 2017 onwards.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	1111	Civil Engineering	04/05/2019
BE	1311	Electrical and Electronics Engineering	30/06/2020
BE	1411	Electronics and Communication Engineering	30/06/2020
BTech	1911	Industrial Biotechnology	04/05/2019
ME	1721	Computer Science and Engineering	04/05/2019
ME	1421	Applied Electronics	04/05/2019
ME	1422	VLSI DESIGN	04/05/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Civil Engineering	15/06/2019	18CPC308-Survey Laboratory 18CP C309-Materials Testing Laboratory	15/06/2019

18CHS401-Civil Engineering - Societal and Global impact
18CPC408-Fluid Mechanics and Machinery Laboratory
18CP C409-Environmental Engineering Laboratory

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nil	Nil	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Long Term Evaluation	24/06/2019	11
Android Application Development	24/06/2019	28
LabView Programming	24/06/2019	59
MATLAB Programming	27/06/2019	62
Yoga for Youth Empowerment	18/12/2019	46
Cloud Computing	18/12/2019	18
PCB Design and Fabrication	18/12/2019	62
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Field Projects	11
BTech	Field Projects	13
BE	Internship	89
BTech	Internship	200
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Students' feedback about each course in a semester is obtained at the end of the semester. • In addition, the feedback on teaching learning is obtained through Course End Survey and Exit surveys from passed out students. • Both Course outcome evaluations and Staff Evaluation are being done through the students' feedback. • Staff Evaluation Reports, Students Feedback Report, Staff Self Appraisal and stakeholders feedback are discussed and corrective measures are planned accordingly. • Employer surveys act as a tool to gain feedback on and measure employee engagement, morale and performance. It measures the point of view of faculties and is designed to assess whether it aligns with that of departments. • Alumni and Parents surveys are obtained through a questionnaire during parent, teachers meetings and their suggestions are taken into account for the overall improvement.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	All UG Courses (Part Time)	240	121	121
BE	All UG Courses	720	602	593
ME	All PG Courses	198	175	168

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2760	344	163	1	164

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	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
164	164	4	42	18	164
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The students of a class are attached to a faculty called as the Faculty Advisor / Mentor. The curricular activities and co-curricular activities of the student are channelled only through the Faculty Advisor. Further, faculty advisor will also help the students in registering the courses, monitor their attendance and progress and council them periodically. After each internal Assessment test, a Class Committee meeting is convened by the Head of the Department. The performance of the students are discussed in presence of the committee members comprising of student representatives, faculty handling courses, Faculty Advisor / Mentor, Program Coordinator and the Head of the Department. The faculty advisor maintains a record sheet for each of his/her ward. The record sheet contains all information concerning the students 'attendance, marks obtained in the end semester examinations, achievements if any in curricular, co-curricular and extracurricular activities. Student mentoring plays a vital role in a student's life. Hence, the students are advised to meet their mentor frequently and discuss their problems freely with them. They should also take care to see that all information concerning their progress and achievements in the college are duly entered in the record sheet.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3104	164	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
209	164	45	Nil	57

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Nil	Nil	Nil
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	All UG Courses	ODD Semester (Nov/Dec 2019)	30/11/2019	06/01/2020
ME	All PG Courses	ODD Semester (Nov/Dec 2019)	07/11/2019	06/01/2020

BE	All UG Courses	Even Semester (April/May 2020)	30/09/2020	10/10/2020
ME	All PG Courses	Even Semester (April/May 2020)	24/09/2020	10/10/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1	2990	0.03344

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://gct.ac.in/regulations-2018>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	BTech	Industrial Bio technology	231	165	73
UG	BTech	Information Technology	186	128	70
UG	BE	Computer Science and Engineering	182	114	63
UG	BE	Electronics and Instrumentation Engineering	176	123	70
UG	BE	Production Engineering	172	95	56
UG	BE	Electronics and Communication Engineering	199	144	72
UG	BE	Electrical and Electronics Engineering	199	157	78
UG	BE	Mechanical Engineering	370	220	60

UG	BE	Civil Engineering	345	186	54
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://portal.gct.ac.in/Survey_reports/exportPDF?regulation=1&batch=2°ree_branch_id=34§ion=A&semester=2

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.R.NITHYA and Dr.A.THIRUNAVUKKARASU
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nill	NIL	NIL	Nill	NIL
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	1	TEQIP III CoE-ES	100	100
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

7

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Two days Training on Fluidyn Software (First Year M.E. Environmental	Environmental Engineering	10/02/2020

Engineering Students)

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Low cost vapour recovery system	Ministry of human resources and development (MHRD) and SIH-19	Ministry of human resources and development (MHRD) and SIH-19	20/07/2019	Low cost vapour recovery system

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
Thermal Engineering	3
Electrical and Electronics Engineering	4
Chemistry	2
Industrial Bio Technology	1
Production Engineering	2
Electronics and Communication Engineering	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	4	0.9

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Geotechnical Engineering	10

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
TITLE: SYSTEM AND METHOD FOR DECOMPOSING ORGANIC AND FOOD WASTE	Published	201941006917	01/03/2019

AUTHORIZED :
ALLINOV RESEARCH
AND DEVELOPMENT
PRIVATE LIMITED

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Removal of COD, oil and grease from automobile wash water effluent using electrocoagulation technique.	Dr. J. Jeyanthi	Microchemical journal	2019	12	Government College of Technology , Coimbatore	12

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Elaeocarpus tectorius derived phosphorus-doped carbon as an electrode material for an asymmetric supercapacitor	Dr. J. Jeyanthi	New journal of chemistry	2020	5	6	Government College of Technology , Coimbatore
Removal of COD, oil and grease from automobile wash water effluent using electrocoagulation	Dr. J. Jeyanthi	Microchemical journal	2019	5	12	Government College of Technology , Coimbatore

technique.					
View File					

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	173	23	43
Presented papers	Nil	40	Nil	Nil
Resource persons	Nil	35	2	Nil
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Survey lab - Civil Engineering	GPS Survey	Private firm	360000
Environmental Engineering Department	Adequacy Checking of air pollution management system	Pairan Pyrolysis Ltd, Perundurai	150000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
nil	nil	nil	0	0
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Hands on training on CNC programming and operations on 3.7.2019 to 4.7.2020	GCT, Mechanical Engineering department organised using Industrial persons.	2	148
Unnadh Bharath Abhiyan	MHRD	1	5
Tree Plantation	YRC NSS	Nil	25
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
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			Benefited
Assessor of CNC turning	Assessor of Zonal and District level skill competition and selected for state level Assessor duty	Tamil nadu Skill development corporation, Guindy, Chennai-32	4
Rotaract Club of GCT	Outstanding Campus based Club	Rotary District 3201	200
Doctoral Programme	Ph.D	Anna University, Chennai	Nil
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Basics of Power Plant Operations	CPEIT, Chennai	Online Internship program on 6.7.2020 to 10.7.2020	1	49
Swachh Bharat	2TNCTC	Cleaning of Bharathi park, plastic cleaning, cycle rally	1	15
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Visit to GEC Jagadalu related to NBA	Dr. D.Padmini	TEQIP III	3
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Consultancy Work as a verification officers of design	Construction of sewage treatment plant of capacity	LT Construction Water Effluent treatment, Coimbatore	10/08/2020	24/08/2020	L&T engineers

30.53 MLD on DBO basis for UGSS - Kurichi Kuni yamuthur, (Ward 87 tp 100) Coimbatore

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
M/s. Rapid 3D Technologies No.62, Bharathi Park 8th Cross, S B Colony, Coimbatore, Tamil Nadu	01/08/2019	To provide technology solutions to educational institutes and industries using next generation technologies such as Fused Deposition Modeling (FDM), Stereolithography (SLA), Selective laser sintering (SLS) , etc	40

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
998.45	998.45

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	99954	18700000	606	468458	100560	19168458
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.S.Sathyapriya	Soil Exploration	Youtube	14/05/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1150	13	0	0	1	1	9	1024	0
Added	0	0	0	0	0	0	0	0	0
Total	1150	13	0	0	1	1	9	1024	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1024 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Research and Development portal	http://www.gct.ac.in/research
ERP	Portal.gct.ac.in
Grievance	http://www.gct.ac.in/grievances#overlay-context=
Choice base Credit System (CBCS)	http://www.gct.ac.in/regulations-2018
Choice base Credit System (CBCS)	http://www.gct.ac.in/regulations-2016

Video Recording facility at CSE	ftp:10.1.4.52
Prof. Parimala Murugaveni	https://youtu.be/BcArvkrFAhM
Dr. M.Rajeswari	https://youtu.be/4tOwgXOKlNQ
M Raghappriya	https://www.youtube.com/playlist?list=PLHYOj31sZjSazjUYZcT58umRnykJ0pCsq
Dr.M.S. Aezhisai Vallavi	https://drive.google.com/open?id=1Ifs98AOEh2az_DpjcjOau3OY2oHzlm26
J. Mercy Nisha Puline	https://drive.google.com/open?id=191PVL16TlOhCOV2T2ejSdoBFqXgoviI6
Dr.M.Muthuchelvam	https://youtu.be/snFIROE1tRo
Mr.Rakesh Gautam	https://youtu.be/t5Id8-EgGBs
Dr.N.Narmadhai	https://youtu.be/PBAJl9bPhg0
Dr.S.Periyasamy	https://youtu.be/Opm6OjMmIN4
Dr.A.S. Wincy Pon Annal	https://youtu.be/9ONa5wDsTU
R. Devi	https://www.youtube.com/watch?v=1HNampUnG_M
Dr. Blessy Queen Mary	https://youtu.be/u05XzZWR0n4
Dr.K.Ranjith kumar	https://youtu.be/cRgMrCcIqJU
Dr. S. Latha Venkateswari	https://youtu.be/w4cS_-ZdOP8
Dr.P.Ilamathi	https://youtu.be/682BCgsmmWc
Dr.P.K.Palani	https://www.youtube.com/watch?v=g9uIt7pBJoq&t=381s
K.Rajupillai	https://www.youtube.com/watch?v=Cb6A0tKWP8
N.Arulmozhi	https://www.youtube.com/watch?v=4Du8jmMz6Jw

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
4.55	4.55	45	45

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Maintenance of Infrastructure The College give great prominence to creation, maintenance and upkeep of the entire infrastructure necessary for the effective teaching-learning, positive development and efficient maintenance. The PWD Wing and Directorate of Technical Education is monitoring 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. A few specific initiatives undertaken to improve the physical ambience in the last five years are: • Concreting of the parking area • Colouring of buildings • Changing window shutters • Renovation of washrooms • Planting of new trees Physical infrastructure repair work is carried out by PWD- Buildings and Electrical wing. Maintenance of computing facilities AMC contract is given to external agency for the maintenance of computers and printers within the college. To maintain internet connectivity in all computers and CCTV security system, a network and system administration team is appointed. LCD projectors, EPBX system, air conditioners and water coolers are maintained with the help of external agencies. 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 the complete records of such services. Other laboratory equipment is maintained by technical supporting staff. In case of any repair requirement, service is hired from outside agencies. General Security Measures Trained Security Personnel are deployed at the college main gate, at all the department blocks, hostels and other strategic locations. Under the supervision of a security officer, they keep constant vigil all the movements inside the campus, take care of the security of all the equipment in the buildings and also check all the outsiders entering the campus. Garden maintenance is taken care of by a team of gardeners. CCTV Cameras are installed in various vantage points inside college campus. All drawing halls are provided with CCTV camera. Campus is equipped with CCTV camera on main places with 24x7 security system, necessary human power is available to take care of the facilities

<https://gct.ac.in/procedures-and-policies>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	GCT alumni	558	2790000
Financial Support from Other Sources			
a) National	CM AWARD	25	75000
b) International	Siemens scholarship program	29	1051000
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
GATE Training	11/08/2019	210	GATE FORUM, Secunderabad.
Student Excellence and Learning Programme for II year	20/01/2020	657	Art of Living International Centre, Bengaluru

Employability Skills training	21/01/2020	712	CL Educate, New Delhi-110044
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Employability Skills training	712	Nil	Nil	401
2019	GATE training	210	Nil	24	Nil
2020	AAC Club	1	Nil	Nil	5
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accolite, Analytic Quotient, Aquagreen, Aspire Systems, Astrazeneca, Autoprint Machinery manufacturing systems, Awantor - VWR, Baton Systems, Burning Glass, Cameron - Schlumberger, Cerium systems, CGI, Chegg, Cliqtrix,	498	388	12	120	13

CronJ IT, DE Shaw, ,Delphi TVS,					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	M.E (Thermal Engg)	CIVIL	NIT Trichy	Ph.D. (Full Time)
2020	1	M.E(Geotecnical Engg)	CIVIL	IIT roorkee	Ph.D. (Full Time)
2020	1	B.E.	CIVIL	NICMAR GOA	PGP – Advanced Construction Management
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	24
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
SPORTS 24	NATIONAL	4
DANCE 24	NATIONAL	1
Villupattu(CULTURAL) 24	NATIONAL	2
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Best Dancers	National	Nil	1	1716145	SriGanga
2019	Best Dancers	National	Nil	1	1716126	Naveena
2019	WINNER	National	1	Nil	1616140	POORNAMA THI P
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

• 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. • An Intra-College symposium named Commenzar-19 was conducted by EEEIEA association. In the symposium many technical and non-technical events, paper and project presentation was held. • Manavarmandram had been organized two grand festival during this year Muthamilvila-19 and Sangamam-20. These two festivals are celebrated for revealing the tradition and creativity of the students. Muthamilvila-19 is an intercollegiate competition. We had organized nearly 25 colleges from different districts with plenty of events. We had conducted 30 solo events and 10 group events. Sangamam-20 is an intra college competition. It is a combination of all clubs in GCT. In this, we conducted this festival for three days with many solo events and group events.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SI.NO.75/2007 DATE:27.02.2007 The alumni association has helped the institution for the development of students. Many students below poverty line are studying in this college who needs helping hand from alumni. The alumni association contributes significantly to the development of the institution through scholarships. Every year around 400 students receive scholarships. Alumni association is taking care of medical facility for students in need. Several hostel repair works are done by the graduated students. Seminars were conducted by the alumni and an exhibition was held in our auditorium The alumni entrepreneurs and students of GCT were participated in the event. GCT alumni association has launched itself in the effort of creating an alumni centre inside the college campus to effectively and efficiently extend its service to students, staff and alumni.

5.4.2 – No. of registered Alumni:

12200

5.4.3 – Alumni contribution during the year (in Rupees) :

2790000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Career Guidance on Civil Services talk by Dr.P.Kanagaraj on 29.1.2020 No. of BENEFICIARIES : 100. 2. Career opportunities for Civil Engineering talk by Mr.J.PremKumar on 27.1.2020 No. of BENEFICIARIES : 100. 3. Towards Industry readiness by Mr.Tharnesh on 18.7.2019 and 10.7.2019 No. of BENEFICIARIES : 100. 4. An eye opener training session on "Soft Skills for Success" by Mr.R.Saravana Kumar, Ex-Director of CTS (Cognizant) is organized for the benefit of final year students of all departments on 02.07.2019. No. of BENEFICIARIES : 150. 5. Kick off - Adopt-A-GCTian (Mentoring program) on July 13th 2019 for 3rd year students. No. of BENEFICIARIES : 204. 6. Mock campus interview on 13.07.2020 for the Final years. No. of BENEFICIARIES: 150. 7. Commencement of Interview training sessions of 15 hours spread over 10 weeks for 3rd years from July 29th,2019. No. of BENEFICIARIES : 60 8. An expert discussion on the topic "Should we patent (protect our ideas) or should we keep it as an open source?" by Dr. Arun Kumar, an expert in IPR and Patent Filing, is organized for the benefit of faculty members and students on 05.08.2019. No. of BENEFICIARIES: 120. 9. TEQIP III sponsored guest lecture on Opportunities available for pursuing higher studies abroad and the challenges we may face" by Dr. Prasanna

Pavani, Founder CEO of Exnodes, USA, is organized for third year and final year students 29/08/2019. No. of BENEFICIARIES: 100 10. TEQIP III sponsored guest lecture on "Introduction to Six Sigma" by Er. T. Sowmyan, Consultant, Quality Management, is organised to all the third year and final year Production Engineering students on 30/09/2019. No. of BENEFICIARIES: 100. 11. 'Piping and Instrumentation Diagrams-(PID) '- 19-09-2019 (1 Day) 09.00 a.m. to 05.00 p.m.- Mr.S.Sankar, Electrical and Instrumentation Manager, Caverion-Asia,1984 Alumnus- EIE (2017-2021 2016-2020)-60 students.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Empowering faculty centered practices: All Heads of the departments are empowered to prepare budget for their departments with the concerned faculty members of the departments and lab in-charges. Further to guide the HODs, a departmental level committee has been constituted to review the requirement of purchasing of equipments 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 and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. **Empowering students centered practices:** Through Choice Based Credit System, students are given freedom to choose the elective courses. Students can have freedom to transfer credits earned through online courses like NPTEL Courses, etc., Further, they have been provided with adequate support to choose their career as Entrepreneur / Higher studies / placement / preparing for competitive examinations. Students have been given enough representation in the highest decision making bodies like Academic council, Internal Quality Assurance Cell and Board of Studies. Students are also given full freedom to organize technical symposiums, coordinator of co-curricular and extracurricular activities, social service group coordinator.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	i. The students are admitted according to Tamilnadu Government Norms by counselling through single window system by Anna University, Chennai.
Industry Interaction / Collaboration	i. The Institute has collaboration with the following industries and are maintaining good interaction with them in arranging programmes for the benefit of the student community. ii. Structural Engineering Research Centre (SERC), Chennai. iii. Central Building Research Institute (CBRI), Roorkee. iv.

	Larsen Toubro Limited, Chennai. v. Robert Bosch vi. Tata Consultancy Services.
Human Resource Management	<p>i. Recruitment of faculty and staff are done by direct Recruitment Process by the Government of Tamilnadu. ii. Medical Insurance policies are made compulsory for all the regular employees of the Institution. iii. Faculty members are given ample opportunity to participate in the FDP's/Conferences/Seminars/Workshops with the financial assistance of TEQIP funds. iv. Organizing Developmental training programme and workshops/seminars for enhancing the multiskills of teaching faculties. v. Nonteaching faculty members are also given opportunities to participate in various skill development programmes within and outside Tamilnadu state. vi. Self appraisal system has been followed to assess the performance of individual faculty every year.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>i. Department Library is functioning every working day and it has been made automated. ii. Books exhibition is arranged frequently at campus to identify and purchase standard books both for issue and reference sections. iii. Central library have adequate space for reading activities and Photo copying facilities are also made available for the students in the library.</p>
Research and Development	<p>i. All the programmes are approved by Anna University to carry out M.S. (By Research) and Ph.D. ii. Faculties are encouraged to attend National/International conference by providing funds. iii. Providing funds for Patent filing. iv. Incentives and certificates are given to faculty members for publishing books, publication of papers in high impact factor journals during the Academic Award function.</p>
Examination and Evaluation	<p>i. There is a complete transparency in the examination system, Evaluation of internal assessments for 50 through continuous assessment that includes Three internal tests, Three Assignments and Three objective type questions and End Semester Examination for 50. The tentative dates of internal tests and semester examinations are presented in</p>

	<p>the academic calendar well in advance.</p> <p>ii. Almost for all the subjects, detailed key is obtained from the question paper setter and given to the examiner during valuation.</p> <p>iii. 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.</p>
Teaching and Learning	<p>i. Online courses like NPTEL, Swayam etc., are helpful for enhancing Teaching and learning process. Smart class room teaching and use of IoT tools are adopted.</p>
Curriculum Development	<p>i. Curriculum has been revised following the guidelines of AICTE model curriculum. More emphasis are given to employability, skill development courses in 2018 Regulations with more number of subjects in the open elective category. It has been insisted to carry Design of components/ structures as the mini project.</p> <p>ii. Feedbacks from Alumni, Industrial experts, Subjects experts from other premier institutions are also considered and incorporated in the syllabus.</p> <p>iii. Industry based electives were incorporated in the new curriculum.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<ul style="list-style-type: none"> E procurement for purchase
Administration	<ul style="list-style-type: none"> Academic Management Hostel Management Controller of Examination Office Library Alumni
Finance and Accounts	<ul style="list-style-type: none"> Finance Management
Student Admission and Support	<ul style="list-style-type: none"> Central Library Management Online Publication of results Online web portal for staff and students
Examination	<ul style="list-style-type: none"> Controller of Examination (COE) Administration including payment of Examination fees and downloading Hall tickets.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

2019	Dr.S.Periyasamy	"International Transportation Electrification Conference India"(ITEC INDIA 2019) at Sheraton Grand, Bangaluru from 17 - 19 December 2019	ESIC, Hyderabad	27044
2019	M Raghappriya	FDP on Process Control, Instrumentation and Automation PCIA-2019 at National Institute of Technology, Calicut from 2nd Decemeber to 7th December 2019.	NIT, Calicut	13260

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	3D Printing Technologies and its industrial applications	nil	01/08/2019	01/08/2019	4	Nil
2020	Vibration Analysis using Fundamental Vibration Kit and Energy Harvesting	nil	24/02/2020	28/02/2020	7	Nil

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration
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professional development programme	who attended			
Online Short Term Training Program on "Safety Measures in Transportation Systems" Muthoot Institute of Technology and Science, Ernakulam.	1	27/05/2020	29/05/2020	3
One week certified Online FDP on Internet of Things at University Institute of Engineering and Technology, Kurushetra University, Kurushetra.	1	27/04/2020	01/05/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	Nill	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Staff Quarters for Teaching faculty • General Provident Fund • Medical and Maternity Leave • Medical Insurance • Gratuity • Scheme of Pensions and Compensatory Pension Scheme 	<ul style="list-style-type: none"> • Staff Quarters • General Provident Fund • Medical and Maternity Leave • Medical Insurance • Gratuity • Scheme of Pensions and Compensatory Pension Scheme 	<ul style="list-style-type: none"> Alumni scholarship for deserving students • Scholarships for BC and SC/ST, first graduate students • Medical Insurance

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Like purchase committee, financial committee has been constituted to allocate funds for various activities and it was 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.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
GCT Alumni Association	1683234	Alumni scholarship for deserving students
View File		

6.4.3 – Total corpus fund generated

14662301

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IQAC External Peer Review Team	Yes	Department Faculty Members from GCT.
Administrative	Yes	DOTE Chennai	Yes	Audit members from DOTE chennai

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Orientation programme was organized for the 1st year students along with their parents. At the end of the programme, parents are invited to share their feedback. • During Parent Teachers meeting, the parents are called to inform about the activities carried in the departments and in the institution. • Parents are members in Anti ragging committee and Grievance committee.

6.5.3 – Development programmes for support staff (at least three)

Technical staff have attended programmes related to computer operations and skill developments like personality development and work life balance. Staffs have attended Productivity Enhancement Programme
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

• Internal Quality Circles are framed to take care of quality enhancement in each criteria as specified by NAAC. • More number of Entrepreneurship training activities • Employability Skill Test

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	1st IQAC meeting	02/09/2019	02/09/2019	02/09/2019	17
2019	2nd IQAC meeting	25/11/2019	25/11/2019	25/11/2019	17

2020	3rd IQAC meeting	01/03/2020	01/03/2020	01/03/2020	17
2020	4th IQAC Meeting	02/06/2020	02/06/2020	02/06/2020	17
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Work Life Balance	07/08/2019	07/08/2019	45	Nil
Pongal Festival	10/01/2020	10/01/2020	110	Nil
International Women's Day	11/03/2020	11/03/2020	90	Nil
Women Entrepreneurship	16/03/2020	16/03/2020	70	Nil
Stress Relief during the global pandemic Covid 19	20/07/2020	20/07/2020	60	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
About 1 percent of power utilization through Solar Energy and Energy Conservation

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille Software/facilities	No	Nil
Rest Rooms	Yes	5
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	Nil	01/07/2019	1	CELL PHONE NATKAL	To evoke inner consciousness	36
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
GCT College Calendar	10/08/2019	Students are generally following the code of conduct correctly and if any misconduct, students are advised through the mentor. If any violation, discipline committee do the enquiry and necessary actions will be taken.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Guide to crack UPSC	30/07/2019	30/07/2019	70
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<p>“Be Drastic Against Plastic” Project implement. Avoiding the plastic bags and issue cloth bags in our college . Issue cloth bags in Government Hospital Coimbatore by 2019 batch students Master of design is the poster making event in which posters are made in the theme of NO SMOKING and the master mind designs are awarded. Sticking antiglass stickers on two wheelers, 16.08.2018. 42 ramps are almost constructed for the physically challenged persons in the entire campus (College and hostel premises) in the entire campus at a cost of 5.95 Cr. Toilets for the physically challenged students are under construction both in the college and hostel premises. Funds are sanctioned by Government of Tamil Nadu under Access India Campaign 2016-17 .Solar panels of 20kW is established in the J.J.Rudra block where the IT, Production Engineering branches EEE Labs are present. There are 40 rainwater harvesting pits at various recharge locations are established as per IS standards.</p>

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Implementation of Choice Based Credit System for International recognition and good career opportunities . Transparency in the Evaluation system .Earn while you Learn scheme.Using flipped SMART classroom methodology for teaching and learning.To participate in the internship/practical training from various</p>

industries for gaining practical knowledge in the field of Engineering during the summer and winter vacation. The students and staff have planted several tree saplings during various tree plantation programmes organized by the Institution. Establishment of Technology Business incubator (TBI) facility :It's a right platform for the young aspirants who are aiming to do startup business. It provides comprehensive research and testing facilities for them. The faculty members can provide the technical expertise to sort out their problem statements. It is a mutual benefit scheme for faculty members and young entrepreneurs.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

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

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. The Institute of institutional makers Laboratory created by Alumni of our College. 2. The College has good Institute - Industry Linkage especially with Alumni Industrialists. 3. Guidance are given to students to participate for competitive exams. 4. Faculty members are motivated for Journal publications in Quality Journals and for Ph.D Candidates. Response: Our college is surrounded by enormous green trees and efforts are being taken further ecofriendly. For this initiative our college is awarded by Pondicherry Chief Minister in the name of Green Campus (2013) . 5. Our College is identified by MHRD to establish two Centre Of Excellence in Alternative Energy Research and Environmental Studies. Both the COE's adopted a village to impart technology transfer to rural areas. Under AER solar panels and solar lanterns have been erected in the rural areas nearby. 6. In Environmental studies it is proposed to provide water filter for safe and pure drinking water in local community. Centralised testing lab for Synthesis and Characterisation of Nanomaterials is established which undertakes consultancy and helps the educational institutes for their research. 7. Research project in Bio Diesel production and its utilisation within the campus is under progress. 8. With this advancement our college is awarded the Best Government Engineering College from Government of Tamilnadu.

Provide the weblink of the institution

<http://www.gct.ac.in/institutional-distinctiveness>

8. Future Plans of Actions for Next Academic Year

The plan of action for the academic year 2020 - 21 includes the following. I Institution 1. Increase industry institution collaborative activities 2. Introduce Academic reforms. 3. Increase employability rate. 5. Repairs and maintenance of buildings. 7. Non - accredited Programs to apply for NBA accreditation II Students 1. Increase in the transition rate from I year to II year by conducting Bridge courses and orientation programmes. 2. Improvement in Communication skills of students through peer learning strategy And bridge courses 3. Organize more number of entrepreneurship development programmes. 4. Industrial visits for the students 5. Motivate the students to register for online courses and participate in Smart India Hakathan. III Faculty 1. Ensure each faculty undergoes at least one academic/industry training every year. 2. Faculty with PhD and doing PhD to publish minimum of one paper in High Indexed Journal each year. IV NonTeaching Staff 1. Scale up training in respective narrow domain and improve their quality V Departments 1. Establish one modernized lab. 2. Organize one National / International Conference per year. 3. Organize a minimum of Two Faculty Development programme per year. 4. Get minimum of one major funding from external agency. 5. Sign minimum of one MoU with an industry

every year.