



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	GANADIPATHY TULSI'S JAIN ENGINEERING COLLEGE				
Name of the head of the Institution	Dr. M. Barathi				
Designation	Principal				
Does the Institution function from own campus	Yes				
Phone no/Alternate Phone no.	04162230900				
Mobile no.	8012570109				
Registered Email	principal@gtec.ac.in				
Alternate Email	ithod@gtec.ac.in				
Address	CHITTOOR-CUDDALORE ROAD, KANIYAMBADI, VELLORE				
City/Town	Vellore				
State/UT	Tamil Nadu				
Pincode	632102				
2. Institutional Status					
Affiliated / Constituent	Affiliated				
Type of Institution	Co-education				
Location	Rural				
Financial Status	Self financed				
Name of the IQAC co-ordinator/Director	Dr.B.Thenral				
Phone no/Alternate Phone no.	04162230900				
Mobile no.	9942371304				
Registered Email	iqac@gtec.ac.in				
Alternate Email	thendral_ece@gtec.ac.in				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	http://gtec.ac.in/AQAR-GTEC-2019.pdf				
4. Whether Academic Calendar prepared during the year	Yes				
if yes,whether it is uploaded in the institutional website: Weblink :	http://gtec.ac.in/academiccalendar.php				
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
No Data Entered/Not Applicable!!!					
6. Date of Establishment of IQAC				10-Jun-2015	

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
Internal ISO audit.	06-Nov-2019 1	17
Internal Administrative audit.	24-Jul-2019 1	9
Internal Academic audit.	17-Jul-2019 1	19
second IQAC meeting for the academic year	07-Jan-2020 1	20
First IQAC meeting for the academic year	03-Jul-2019 1	20

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8. Provide the list of funds 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
No Data Entered/Not Applicable!!!				

No Files Uploaded !!!

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 :	2
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)

• Organized more number of webinars and quiz programs. • Robust mentor mentee system and Clean and plastic free campus • Regular IQAC meetings for quality Assurance were conducted. • Faculty encouraged to take part actively in research work • Departments are encourage to regularly conduct special classes to addresses the specific needs of students

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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
To arrange placement assistance to the students.	Organized Placement awareness programs. More number of students were placed in various industries.
To Organize National level technical symposium.	Organized National level technical symposium
To Organize guest lectures and webinars	Organized 4 numbers of guest lectures and 5 numbers of webinars
To Organize Industrial visit to all department students.	Organized 11 numbers of Industrial Visits

[View File](#)

14. Whether AQAR was placed before statutory body ?	Yes
Name of Statutory Body	Meeting Date
Management Meeting	04-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	10-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> • Google apps are used for conducting online classes and to share study materials. • All the study materials are uploaded in intranet resources (esaraswathi). • Information are shared in digital Mode (Example Mail, SMS, whatsapp etc.,) • Internal Events of college were posted in college website periodically. • Academic performance, Low attendance to parents communicated via Parents Teacher Meeting • Bulk SMS services are used to send absentees report to parents. • Biometric attendance for all faculty and staff. • ecircular and eindent forms. • Library is fully computerized using Autolib software and the activities like Accession of Books, Periodicals, Back Volumes, Project Reports, CDs and DVDs are carried out through software only • Members Entry, Book Issue, Return process are automated with bar codes. • OPAC facility for bibliographical search of books and All Reading materials in the library through Intranet in the campus. • Attendance of users in the library is maintained through Biometric automation systems.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Planning and Implementation

1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution has developed and practices its extensive action plan for effective implementation of the curriculum through the following measures:

- Planning of Academic Calendar and academic schedule well in advance at the college level which includes overall details of the activities of the academic year.
- At the department level, semester plan is prepared which consists of all the activities such as reopening date, assessment schedules, feedback, number of working days and tentative schedule of university examinations.
- Planning of lesson plan well in advance at the department level which includes overall details of the syllabus and delivery methods.
- Schedule of department activities is prepared which includes industrial visits, guest lectures and department newsletter.
- Subject allotment based on proficiency matrix, experience and performance of the faculty in previous years
- Notes of lesson, question bank, university solved question papers for all the subjects are uploaded in the college intranet E-saraswathi
- Time table framed with provision for Value Added Courses (VAC), placement and training, tutorial and class test.

Example: Course file for a particular course contains the syllabus, lesson plan, notes of lesson, question bank, previous semester university question papers, sample assessment test papers and answer scripts, sample assignment copies and attendance log book.

COURSE PLAN

- Teaching plan is prepared by faculty covering the topics, schedules, reference materials, teaching aids and methodologies
- Uniformity in content coverage and assessment is ensured.
- Lecture notes on important topics made available on the web portal for students reference.
- Supportive materials for examination preparation made available.
- Preparation of lesson plan, question bank, lab manuals well in advance.
- Lecture notes on important topics made available on the web portal for students reference.

Prior to the commencement of classes, individual lesson plans are prepared for each subject that is offered during the semester.

CURRICULUM ENRICHMENT

- E-learning centre is established which transacts resources from NPTEL, and E-Saraswathi resources.
- Invited talks by eminent professionals from industry and academia. Case studies and industry visits.

ACADEMIC AUDITS

- ISO surveillance audits to ensure conformance with stated objectives
- Academic audits by the Academic Auditing Cell are conducted to ensure effective functioning of the academic system
- Periodic Class Committee meetings and End Semester review meetings are held to assess students' academic progress.

FEEDBACK Regular feedback is obtained from stakeholders for the following:

- Curriculum delivery
- Electives
- Enrichment programs
- Invited talks
- Seminars
- Workshops and Conferences.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil	01/07/2019
BE	CSE	01/07/2019
BE	ECE	01/07/2019
BE	EEE	01/07/2019
BE	Mech	01/07/2019
BTech	IT	01/07/2019
MBA	MBA	01/07/2019
MCA	MCA	01/07/2019

1.2.3 - Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	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
No Data Entered/Not Applicable !!!		

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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	Civil	4
BE	CSE	9
BE	ECE	24
BE	EEE	6
BE	Mech	20
BTech	IT	3
MBA	MBA	52
MCA	MCA	49

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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
<p>1. Student feedback Student feedback on the teaching and learning process in the class committee meetings are addressed by the Head of the Department and the respective course handling faculty. Student feedback on general facilities, club activities, hostel etc., in the student representative meeting are addressed by the Principal. Also feedback is obtained at the end of the semester from students on the teaching process of the course handling faculty and any deviation observed, the concerned faculty is advised to improve on their performance by the Head of the department. 2. Teachers Feedback : This survey is obtained from the faculties in every year. The feedback is received from faculty is collated department wise and accordingly taken care of the improving the infrastructure facilities offering value added courses and introduction of skill based courses etc. 3. Employers Feedback: Employers feedback This is obtained from the employers in the placement cell and to cater the requirements of industry, placement cell and the concerned department will take the initiatives to strengthen the placement. 4. Alumni Feedback: Alumni survey. This survey is obtained from the alumni and the feedback on the level of attainment of programme educational objectives, programme specific out comes and programme outcomes are analyzed and corrective actions are taken. 5. Parents Feedback : Parents feedback Parent feedback (on a sample) on the teaching and learning process, general facilities in the college, suggestions for</p>

further improvement is obtained. All the feedback are analyzed in the department meetings, programme assessment committee and corrective actions are proposed for the overall development of the college

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
MCA	MCA	60	18	27
MBA	MBA	60	32	42
BTech	IT	30	2	18
BE	Mech	90	1	3
BE	EEE	30	1	3
BE	ECE	60	1	4
BE	CSE	60	3	24
BE	Civil	30	Nil	Nil

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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	52	69	64	15	5

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
79	79	9	11	5	11

[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)

Bridge the gap between faculties and students. □ The scheme is adapted for the value additions to the students like: Creation of a better environment in college, where students can approach teachers for both educational and personal guidance. □ Awareness and support to students for GATE, GRE, CAT, ISRO, SAIL, NAL, HAL, NTPC, BSNL, DRDO, BARC, and other Government examinations. □ Motivate the students for higher studies and entrepreneurship. □ Advice and support for improvement in academic performance. □ Behavioral counseling aims to improve one's relationship develop interpersonal skills and looks to eradicate unwanted behavior. It is essential for a good experience on campus, better placement and a successful career. □ 10 to 15 students are linked to one faculty, who is teaching them and will be their mentor. During the First year, as students are fresh from schools and the First year subjects are mostly from the Department of Science and Humanities and General Engineering. Hence, faculties from those departments are identified as mentors. □ The student can meet his/her mentor and pose his/her adjustment and academic problems and seek redressal. From second year, students move to their concerned departments and one of their department faculties is nominated as a mentor, who will be mentoring them during the next three years. □ The mentor keeps a complete record of the student's accomplishments, his/her attitudes, interests, weakness etc. In the first year, students come from a protected environment from school to college, where their counterparts may or may not think and behave as he has been accustomed to. They come across fast learners, slow learners and sometimes they might even feel that they have landed in an institution not to their liking and feel depressed. Such cases are referred to the student counselor, who is a qualified psychologist, who talks to them individually and counsels them as needed. □ Behavioral counseling is mainly focused on weak students. At first, the behavior is learned and then it is adjusted to ensure better results in all walks of life. Students with personal problems that are interfering with their ability to attend classes, to study, or to take exams should contact their HOD to discuss how to handle the problem. □ In case of interpersonal issues within the class or campus for that matter, a student could get in touch with the class teacher. □ A class committee, comprising a cross section of students - slow learners, fast learners, girls, boys, sportspersons and the faculty teaching the class, chaired by one senior professor from the department, is formed during the beginning of the semester. This committee meets twice a semester to discuss about the teaching - learning process and to get a feel of difficulties encountered by the students and faculty.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
405	79	1:10

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
79	79	Nil	3	4

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
No Data Entered/Not Applicable !!!			

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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
No Data Entered/Not Applicable !!!				

[View File](#)

2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

There are three Internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. The institute has reformed the continuous internal evaluation system from faculty centric to student centric. The Institute Exam cell framed guidelines for conducting the CIE in line with calendar of the Affiliate University and the Institutions. Scheduling of Internal Examination, Seating arrangements, hall invigilators listed for every examination. Preparing the question paper for the internal examination in the prescribed pattern. Monitoring the attendance of the students for the Examination. Internal Assessment has to be carried out within the stipulated time. After completion of the internal examination, the faculty evaluate the answer scripts and distribute to the students for doubt clarifications or re-correction. Result review meetings are conducted with result analysis and the remedial actions for further improvements are arrived after discussion with faculty, HoD and Principal. Upload of assessment marks in university web portal and subsequently communicated to parents. The evaluation for theory courses are assessed in direct mode (80) covering both internal and university examinations and indirect (20) covers survey. The evaluation for project course is assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, communication of ideas, technical knowledge, team work and project management. Major project consists of 200 marks. The project review committee organizes review meetings to assess the progress of all the project batches

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic calendar is prepared by Principal. In the beginning of the academic session the students are apprised of academic calendar and same is uploaded on college website and hardcopy binded. Only head of the institution can incorporate minor changes in academic calendar which she may deem fit considering the unforeseen circumstances. Assignments are submitted by students as per the dates given in academic Calendar. The slots of the CAT- I, CAT-II and CAT III are mentioned in the academic calendar. Examination schedule of these exams is announced and displayed in advance.

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)

<http://gtec.ac.in/cse.php>

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
621	MCA	MCA	49	49	100.
631	MBA	MBA	52	52	100
205	BTech	IT	15	14	93
114	BE	Mech	52	50	96
106	BE	ECE	30	29	97
105	BE	EEE	13	13	100
104	BE	CSE	20	19	95
103	BE	Civil	15	15	100

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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)

<http://www.gtec.ac.in/ssss.php>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - 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
Any Other (Specify)	1	EDII (Entrepreneurship Development institute Of India	0.2	0.2

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3.2 - Innovation Ecosystem

3.2.1 - 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
webinar on BASICS OF SEISMOLOGY	Civil	29/06/2020
webinar on RENEWABLE AND SUSTAINABLE SOLAR POWER	EEE	27/06/2020
Scope of digital marketing for MBA students	MBA	12/07/2019
World investors Day and mutual fund Expert Speak	MBA	04/07/2019
Social Media marketing and Corporate sales	MBA	17/03/2020
Changes and Implications of Revised GST	MBA	26/06/2020
Workshop on ANGULAR JS	MCA	02/07/2019
Webinar on ARTIFICIAL INTELLIGENCE MACHINE LEARNING	MCA	15/06/2020
Workshop on INTRODUCTION TO DATA SCIENCE	MCA	26/06/2020
Webinar on Cognitive Radio Networks - GTE in association with Pantech e-learning	ECE	12/06/2020
International Webinar on Internet of Drone Things (IOD)	ECE	11/08/2020
Webinar on advancement in industrial automation - latest trends	Mech	20/06/2020
Webinar on welding of nickel based super alloy in power plant sector	Mech	27/06/2020

3.2.2 - 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
No Data Entered/Not Applicable !!!				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					

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3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Nil	Nill

3.3.3 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	4	1
International	EEE	2	1.5

No file uploaded.

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

Department	Number of Publication
MCA	1

No file uploaded.

3.3.5 - 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	Number of citations excluding
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					the publication	self citation
Smart and gloves for speech impaired people and home automation and embedded system	S. Iyyappan	International Journal of global engineering	2020	0	Ganadipathy Tulsis Jain Engineering College	Nil
Borewell child rescue operation of flex sensor control by Robotic Hand	C.Yuvaraj	International Journal of global engineering	2020	0	Ganadipathy Tulsis Jain Engineering College	Nil
Improving Ultrasound Imaging Using Deep Adaptive Network Loss (DANL) Techniques	C Kumar	International Journal of Advanced Science and Technology	2020	0	Ganadipathy Tulsis Jain Engineering College	Nil
An Algorithm for Denoising Using Principle Component Analysis (PCA) Thresholding based Dual Tree Complex Wavelet Transform (DTCWT) and Block Matching Algorithm (BMA) On Ultrasound Medical Image	C Kumar	International Journal of Psychosocial Rehabilitation	2020	0	Ganadipathy Tulsis Jain Engineering College	Nil
A Novel Algorithm for Denoising using Adaptive Thresholding Based Dual Tree Complex Wavelet Transform (DTCWT) on Ultrasound Medical Image	C Kumar	Test Engineering management	2020	0	Ganadipathy Tulsis Jain Engineering College	Nil
Ultrasound medical image denoising using threshold based wavelet transformation method	C Kumar	Journal of Medical Imaging and Health Informatics	2020	1	Ganadipathy Tulsis Jain Engineering College	1

No file uploaded.

3.3.6 - 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
Ultrasound medical image denoising using threshold based wavelet transformation method	C Kumar	Journal of Medical Imaging and Health Informatics	2020	1	1	Ganadipathy Tulsis Jain Engineering College

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3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	21	30	105	40
Presented papers	1	Nil	Nil	Nil
Resource persons	Nil	Nil	Nil	2

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3.4 - Extension Activities

3.4.1 - 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
No Data Entered/Not Applicable !!!			

[View File](#)

3.4.2 - 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 Benefited
No Data Entered/Not Applicable !!!			

No file uploaded.

3.4.3 - 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	Name of the	Number of teachers	Number of students
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	unit/Agency/collaborating agency	activity	participated in such activities	participated in such activities
Women welfare	GTEC Women welfare committee	Womens day celebration	10	100
Breast cancer awareness marathon	Rotaract Club of GTEC	Awareness Programe	1	150
Women safety program (Awareness about Kavalan App)	Rotaract Club of GTEC	Awareness Programe	1	130
Blood donation camp	Rotaract Club of GTEC	Awareness Camp	1	120

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3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

No file uploaded.

3.5.2 - 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
No Data Entered/Not Applicable !!!					

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3.5.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			

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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
0	0

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	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 patially)	Version	Year of automation
Auto Lib (Library Management Software)	Fully	6.0	2012

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	26740	8612637	137	41118	26877	8653755
Reference Books	2630	1239778	8	3045	2638	1242823
e-Books	18	9413	Nil	Nil	18	9413
Journals	5	Nil	Nil	Nil	5	Nil

e-Journals	1669	13570	Nil	Nil	1669	13570
Digital Database	1	17800	Nil	Nil	1	17800
CD & Video	3167	Nil	16	Nil	3183	Nil
Library Automation	1	50000	Nil	Nil	1	50000
Weeding (hard & soft)	85	19792	Nil	Nil	85	19792

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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
No Data Entered/Not Applicable !!!			

No file uploaded.

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	613	20	0	2	2	11	578	16	0
Added	0	0	0	0	0	0	0	0	0
Total	613	20	0	2	2	11	578	16	0

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

16 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
E-Saraswathi	http://112.133.238.45/saraswathi

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
15.5	13.78	90.5	68.03

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, provide link)

Policies and Procedures for maintaining academic and supporting facilities General: 1. Adequate housekeeping staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. 2. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by housekeeping and Non - teaching staffs. 3. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. 4. Cleaning of the campus area are done with the help of the housekeeping team. Gardening and watering of lawns and plants present in the campus shall be performed by housekeeping. 5. Electrical and plumbing maintenance shall be done by the maintenance staff. 6. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. 7. The requirements are collectively processed in every semester break so as to keep things ready for the new semester. 8. Campus has Sewage Treatment Plant (STP) for recycle and reuse of water. Treated water is used for irrigation of garden only. 9. College Vehicles are periodically maintained by Transport Department of the college. 10. A part time Medical officer has been appointed in the campus to take care of sick students and staff. All the needy students and staff can get free consultation and medicine. **Computers:** 1. The college website is maintained and updated regularly by the System Admin. 2. Internet related services to all departments are distributed and maintained by System Administrator. 3. UPS / Internet /Computer related problems are reported to System Administrator, who will initiate the process of rectifying the fault. **Laboratory:** 1. Well structured consumables/equipment purchase system is available. 2. Separate allocation of budget for laboratory equipment maintenance. 3. Regular cleaning of equipment and laboratory is done by Lab technicians. 4. Obsolete and unserviceable equipment are condemned periodically. 5. Annual stock verification is done regularly. 6. Display and dissemination of good lab practices. **Library:** 1. Accounts of visitors (Students, Teachers and Staff) are recorded on daily basis. 2. Journal/ Magazine, Daily Newspapers, Employment oriented Newspapers are subscribed on a regular basis. 3. Library books are well stacked in accordance with Classification System. 4. Binding of old books are done from time to time. 5. Regular dusting and cleaning is done periodically. 6. Open access is given to students to the books so as to have effective referencing and exploring of new books related to subjects. **Sports facilities:** 1. Students are encouraged to participate in extra and co-curricular activities and sport activities and their participation in Institutional, Zonal, University and National level competitions. 2. Regular maintenance is carried out for gymnasium, sports equipment, basket-ball court and sport material from experts in the field. **Security:** A private security organization has been appointed to provide round the clock Safety and Security cover to men, materials and infrastructure of the college. CCTV surveillance has been installed all

the strategic locations, and monitored by Administration. Procedures for entry and exit timing for visitors has been implemented and maintained.

<http://gtec.ac.in/maintenancepolicy.php>

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	GTEC Scholarship	171	3442500
Financial Support from Other Sources			
a) National	BC/MBC Scholarship, SC/ST Scholarship, First Graduate (I, II, III IV), Merit- cum-Means Scholarship for Professional and Technical Courses CS	555	13670545
b) International	Nil	Nil	Nil

[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 implementation	Number of students enrolled	Agencies involved
Personal Counselling and Mentoring	01/07/2019	357	Nil
Counselling and Mentoring	05/07/2019	69	Nil
Bridge Course	07/08/2019	50	Nil

[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
2019	Civil Service Examination - Awareness Session	145	Nil	Nil	Nil
2019	Placement Awareness Session given by Neolysi Technologies Private Limited, Chennai	Nil	155	Nil	96
2020	TNPSC Employment Awareness Session	Nil	148	Nil	Nil

[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
No Data Entered/Not Applicable !!!					

[View File](#)

5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	ECE	VIT University, Vellore	M.Tech (VLSI)
2019	1	B. Tech	IT	VIT University, Vellore	M.Tech (CSE)

[View File](#)

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	1

[View File](#)

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

Activity	Level	Number of Participants
Athletics (Men) 1	Anna University - Zone-VI	10
Athletics (Women) 1	Anna University - Zone-VI	5
Badminton (Men) 1	Anna University - Zone-VI	6
Cricket (Men) 1	Anna University - Zone-VI	16
Kabaddi (Men) 1	Anna University - Zone-VI	12
Karate (Men) 1	Anna University - Inter Zone	1
Karate (Men) 1	Inter University	1
Volley Ball (Men) 1	Anna University - Zone-VI	12

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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
No Data Entered/Not Applicable !!!						

[View File](#)

5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students actively participate and present their views in various committees/clubs/teams like Women Empowerment Committee, Students Welfare Disciplinary Action Cell, Complaint and Redressal Committee, Anti-Ragging Committee, Training and Placement Cell, Career Guidance Cell, Entrepreneurship and Development Cell, Alumni Cell, Rotaract club under the guidance of IQAC. Association committees organizes intra, inter college technical events and National Level Symposium and communicating the information between Students and faculty. Student Coordinates in organizing the Webinars and in regular academic activities. Students are the active members in the anti-ragging committee to monitor and ensure the campus is free from any Ragging related activities and plastic free environment. Students have their own association committee like NSS, YRC, IEEE, IETE, CSI, SAE, IAE and RRC in each department under the guidance of IQAC. The Committees are represented by general secretaries and joint secretaries. Students also have committees in the hostel to coordinate and oversee the facility made available to the students in the hostel.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 - No. of enrolled Alumni:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

5.4.4 - Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

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)

HOD and Coordinators of the departments have the freedom to plan, implement, finalize and shape the activities in view of the available resources by conducting department meetings. Interactions with parents: The faculty interacts with parents in the orientation programmes, principal follows up with parents of defaulters in attendance, interact with meritorious students during prize distribution functions.

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	a. Admission is conducted as per University norms Government orders b. GTEC follows an admission policy generated by State Government through Tamil Nadu Engineering Admissions (TNEA). c. For the Under Graduate Program (B.E. B.TECH.), 65 of the seats are reserved and filled as per the Tamil Nadu Govt., norms through single window counseling by the affiliating University while the remaining 35 of the seats are filled, as per the norms of Consortium of Self Financing Arts and Professional Colleges, Tamil Nadu. d. For the Post Graduate Program, 50 of the seats are reserved and filled as per the Tamil Nadu Govt., norms through single window counseling by the affiliating University while the remaining 50 of the seats are filled, as per the norms of Consortium of Self Financing Arts and Professional Colleges, Tamil Nadu.
Industry Interaction / Collaboration	a. MOU with various industries to impart knowledge to students. b. Guest Lectures for faculty and students with industrial experts. c. 11 industrial visits have been arranged for students. d. Students done the 79 internship programs to developed their technical skills.
Human Resource Management	a. Adequate work load is allotted to the staff b. Additional Charges are taken up for extra co-curricular activities by the Faculty c. Every Staff Member is a Mentor for 10-15 students d. Documentations Records are maintained by the Faculty e. Vacancies are filled on temporary basis based on the eligibility and Knowledge
Library, ICT and Physical Infrastructure / Instrumentation	a. Wi-Fi facility was provided b. Uninterrupted Power Supply Units were added c. New Lab equipment and software were procured for labs in different departments.
Research and Development	a. 4 Faculties with Doctorate and 4 Faculties are pursuing their Research b. The Faculty Published 6 articles in International peer reviewed journals
Examination and Evaluation	a. Two Continuous Internal Assessment Test (CIAT) and one Model Exam is conducted by our college. b. Marks secured in these tests are converted to 20 marks and it is given as internal marks for the students and remaining 80 marks he/she has to obtain from the Anna University Semester Examinations which is to be written for 100 Marks. c. Central Valuation is done by the University
Teaching and Learning	a. Interactive Board b. Coaching Classes for Communicative Skills c. EDUSAT Classes d. NPTEL Online Courses e. Demonstrative Classes f. Virtual classes g. Field Trips and Lab Visits for Hands On experience h. Industrial Visit
Curriculum Development	Since our college is affiliated to Anna University, Curriculum for all departments is framed by the University.

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

E-governance area	Details
Planning and Development	The Annual review of the Strategic plan of the College is done through the institutional intranet platform for the speedy and effective communication among the Departments and Administration.
Administration	Every aspect of administration is egoverned. Biometric is used in attendance of employees. E -saraswathi website Care of student attendance maintenance as well as communication with parents. The libraries are fully automated - issue of books, accounting. Fine collection etc.
Finance and Accounts	Computerised salary disbursement and Accounts keeping
Student Admission and Support	online applications and payment of fees, student attendance record through software system, semester registration
Examination	University exam online registration facility, Internal assessment marks submission to university

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
No Data Entered/Not Applicable !!!				

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6.3.2 - Number of professional development / administrative training programmes organized by the College 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)
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No Data Entered/Not Applicable !!!

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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 professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
79	79	43	43

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Medical Welfare, Faculty training, Gift compliments, Group insurance, Other allowance	Medical Welfare, Gift and compliments, Staff uniform, Group insurance, Employee provident fund, Driver TA DA, Mess allowance Other allowance	Medical Welfare, Jain scholarship, Best performance award Professional forum membership, Women's welfare, Student health care monitoring Group health insurance, Fees waiver for good academic background students, Allowances for sport activities

6.4 - Financial Management and Resource Mobilization

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

Internal and external audit done by management through its representatives namely internal audit team M/S team SKK Co, Chennai and external audit team M/S Kamal chordia Co, Chennai. They are supported by the administrative section of the institution especially the chief administrative officer and the Head Accountant. All the bills and vouchers are audited by them and the entire accounts are preserved digitally as part of e-governance to ensure transparency and accountability

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
Singhvi charitable trust	90000	Endowment lecturer

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6.4.3 - Total corpus fund generated

141129770

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	Anna University and ISO	Yes	Internal Auditor From IQAC
Administrative	Yes	M/S Kamal chordia Co, Chennai.	Yes	M/S team SKK Co, Chennai

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

<input type="checkbox"/> Parent's teachers meetings were organized every year, at that time of meeting academic and other performance of the students were discussed individually with their parents <input type="checkbox"/> Feedbacks are collected from parents to improve the performance of the department and college. <input type="checkbox"/> Placement training programs and industrial visits were arranged after getting no objection from the parents.
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6.5.3 - Development programmes for support staff (at least three)

<input type="checkbox"/> Organized training program on networking 05-09-2019 <input type="checkbox"/> Organized training program on website designing 09-01-2020 <input type="checkbox"/> Organized training program on Electrical maintenance 20-01-2020

6.5.4 - Post Accreditation initiative(s) (mention at least three)

a. Soft skill development program will be planned to organize b. Placement training, campus interviews and Awareness of TNPSC exams will be planned to organize c. Social awareness program will be planned to organize

6.5.5 - Internal Quality Assurance System Details

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

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	Internal Academic audit.	03/07/2019	17/07/2019	19/07/2019	19
2019	Internal Administrative audit.	03/07/2019	24/07/2019	26/07/2019	9
2019	Internal ISO audit.	07/01/2020	06/11/2019	08/11/2019	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
International Womens day Celebration	16/03/2020	16/03/2020	110	Nil
Women's Safety Programme	01/02/2020	01/02/2020	170	66

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 1-2 percent of power utilization is met by the institution through Solar Energy and Energy Conservation.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	3
Braille Software/facilities	No	Nil
Rest Rooms	Yes	3
Scribes for examination	Yes	1
Special skill development for differently abled students	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
2020	1	1	04/03/2020	1	Blood Donation Camp	Around 100 units of blood was donated by students to the CMC hospital. Students were motivated to donate the blood	156
2019	1	1	25/11/2019	6	Maths Science Expo	On account of Ramanujar Birth Anniversary an Exhibition cum awareness programme was arranged for the school students. The Expo also created an awareness about the importance of Engineering.	2250
2019	1	1	23/07/2019	1	Seed Ball Plantation	5000 seed balls were prepared by students and planted it near by hill stations to create green environment.	196
2019	1	1	12/12/2019	1	Breast Cancer Awareness Marathon	Awareness about breast cancer was given to all girl students and lady faculty members and staffs	101

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7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
GTEC College Calendar	01/07/2019	The college calendar is the official statement which talks about rules and regulations that govern over the faculty, staff and students. The code for Human Values and Professional Ethics are being followed by the students strictly under the guidance of mentors. Mentors guide and counsel the students time to time and if any discrepancy found, the management sees to that the ethics are maintained. Special committee takes charge and looks into the issue

taking necessary follow-up action to maintain the dignity and decorum of the institution. The Handbook provides details about Management, Trust, Vision, Mission, Quality policy Rules regulations, Department details, Examination rules and grades, Supporting services etc

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Seedball Plantation	23/07/2019	23/07/2019	196
Teacher's Day Celebration	05/09/2019	05/09/2019	125
Sweeper's Day Celebration	14/09/2019	14/09/2019	100
Mahaveer Essay Competition	15/10/2019	15/10/2019	628

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

1. Energy Conservation: All the class rooms are adequately ventilated and well lighted and so do not require artificial lighting during day time. Students are instructed to switch off the lights and fans when they are not in use. Faculty members depute student representatives to check whether fans are switched off in unoccupied class rooms. Use of alternative energy resources on campus includes installation of solar lamps on campus for less electricity consumption. 2. Use of renewable energy: Electronic equipment's and gadgets are shut - off when they are not in use. Energy consumption in the hostel is closely monitored by the superintendents. The college also conducts energy Consumption Audit by EEE department. Normal tube lights are being replaced with CFL and LED lights. 3. Rain Water harvesting: Rain Water Harvesting facilities are available in every building that helps to promote the ground water level. 4. Hazardous waste management: The college avoids the use of severe corrosive chemicals in the practical classes and sees that minimum quantity chemicals are purchased to save expiry and disposal. Solid wastage in the chemistry lab is collected separately and disposed of carefully without causing any harm to the inmates of the lab. Special drainage is constructed to dispose of the chemical waste from the lab. 5. E-Waste management: The E-waste accrued from the computer labs and unwanted papers collected in the entire campus are disposed off periodically by tender.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

Best Practice : I Title of the Practice : Activities for Skill development Objectives of the Practice: • To provide the subject knowledge on lively basis for the students. • To enhance the presentation skills and Self-directedness in learning. • To foster sense of students control over learning and interest in the subject matter. • To encourage self-access and independent learning. • The desired skill set are arranged in the form of regular activities at different levels of Student's engineering curriculum. The context: It is in the hands of teachers to use a range of teaching strategies to effectively meet the need of students. This lead the students both intrinsically and extrinsically motivated to inquire, infer and interpret to think reflectively and creatively. The Practice: Bridge course: "Bridge course" is arranged for the newly admitted students. It is planned to highlight how engineering knowledge can be applied in solving the problems of mankind or creating something useful for society. The schematic tracks of content of curriculum and its interdisciplinary application areas are introduced so that the student should understand importance of engineering at their beginning stage. Student Seminars: Students are asked to give presentations on a regular basis. They prepare presentation of any topic in their respective branches under guidance of faculty member and present it in front of all other students and staff. These presentations are evaluated and suggestions are given to the students at the same time. Workshops and Symposiums: Technical training and hands on workshops are designed and implemented by all branches every year to enhance the practical and application oriented expertise. Most of these workshops and symposiums are conducted are free of cost. In-plant Training: Our faculty members have healthy interaction with the industries and every year students of final year are undergoing in- plant training of 2-3 weeks in assigned industries. They help the students to correlate the conceptual knowledge from curriculum to the practical knowledge. . Industrial Visits: Regular Industrial visits are arranged by the faculty every semester to make the student understand and correlate his academic curriculum with the practical exposure and Industry need. These visits enhance and enrich the knowledge of the student making them more confident and boosting their skills. Evidences of success: Skill development workshops, mock interviews and group discussion sessions conducted for students are appreciated by students and industry experts visiting the campus. Students possess required skills according to industry requirements. Increased participation of students is observed in technical competitions. Students become confident while facing the interviews as per the feedback given by students after facing placement interviews. Overall personality development of students is observed. Problems Encountered Resources Required: Problems encountered and resources required Initially the students were resistance to participate and adapt the change. Students are from rural background ,they do not open up and hesitate to practice and communicate in English Faculties have to spare time and prepare course structures and all arrangements for hands on workshop, seminars, and conferences while doing their regular work. Resources Required To make arrangement for guest lectures, Symposiums and Industrial visits faculty had to put in extra time, effort and patience to organize and arrange for such initiatives. Students Cooperation in this practice is the much required resource to achieve success in these endeavors. **Best Practice - II** Best Practice : II Title of the Practice : Mentorship Objectives of this practice: • To maintain good relationship between teacher and students. • Counseling and interaction with students them to overcome their problem. • Motivate the students to prepare themselves to meet out industry requirements. •

Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc. Context: Since the majority of the students are not matured enough to take their own decision in the vast changing scenario of technology and their family and educational background, the mentorship activity of the institute guides and counsel the students in academic, non-academic matters including personal domain to achieve their best in life. This practice has been initiated to address these issues The Process: The college has practice of 15 students per mentor in each department to counsel throughout their study. The mentor monitors the progress of the students in the department and updates their parents regularly. In particular, the mentoring system aims at addressing deficiencies in attitudes, habits, and knowledge of the students regarding study and learning. There are many other supporting activities introduced for better coordination of lectures, tutorials and practical classes. Special and coaching classes are arranged by the mentors in association with the respective subject teachers to make the students better understanding of difficult topics. At the end of the every semester the students are prepared mentally to face university exams. Problems Encountered and Resources Required • Hesitation from the faculty to concentrate on 15 students to give council. • Sometimes students hesitate to talk openly with the faculty • Resources required are more faculty and extra time to counsel the student

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

<http://gtec.ac.in/bestpractices.php>

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

The college endeavors to impart high quality, competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving to attain a unique status by means of infrastructure, state of the art facilities and techniques. As part of realizing this, the institute is providing state of the art facilities through its various programmes. Our vision is to facilitate journey of students from knowledge to wisdom. In this process, the student does not only acquire formal education in the chosen area but receives all round understanding of the environment and social sensitivity required to become a responsible citizen. Although most of the students belong to rural areas, it is important that they are sensitized about the for basic living and educational needs. Rural life poses many challenges such as lack of public health, malnutrition, water, sanitation, educational and vocational opportunities. In some of these areas, students can contribute and improve their understanding through participation. The rural society also benefits from such participative activities. The college is committed to usher in socio - economic transformation by providing inclusive innovative quality education to meet the expectations. Institute provided holistic education to develop skills, knowledge and values through our well- structured curriculum and instructions, make students readily acceptable to the corporate world and promote entrepreneurship skills. • The NSS are active in order to imbibe strong Social values in our students. • The institute takes conscious efforts to create awareness about energy conservation and renewable energy usage among students. Institute provided inclusive technical education so that a deserving student is not denied of an opportunity for technical education solely on socio economic constraints.

Provide the weblink of the institution

<http://www.gtec.ac.in/>

8.Future Plans of Actions for Next Academic Year

To strengthen the training and placement activities. To organize more number of online quiz programmes. To encourage students to participate in more number internship programmes To organize more environmental awareness programmes To organize more workshops, seminars, faculty development programmes. Increase graduation percentage of the students. Organize more number of entrepreneurship development programmes. Organize number Industrial visits for the students. Organize more number of online webinars. To publish more papers in reputed journals.