



**GANADIPATHY TULSI'S JAIN ENGINEERING COLLEGE**

Vellore – 632 102

**THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)  
OF THE IQAC  
FOR THE ACADEMIC YEAR 2017 – 18**



Submitted to

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**GANADIPATHY TULSI'S JAIN ENGINEERING COLLEGE**

(Approved by AICTE, New Delhi, Affiliated to Anna University - Chennai)

Chittoor - Cuddalore Road, Kaniyambadi, Vellore - 632 102, Tamil Nadu, India

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# The Annual Quality Assurance Report (AQAR)

## Part – A

AQAR for the year

2017-2018

### 1. Details of the Institution

1.1 Name of the Institution

GANADIPATHY TULSI'S JAIN ENGINEERING COLLEGE

1.2 Address Line 1

CHITTOOR-CUDDALORE ROAD

Address Line 2

KANIYAMBADI, VELLORE – 632102

City/Town

VELLORE

State

TAMILNADU

Pin Code

632102

Institution e-mail address

[www.gtec.ac.in](http://www.gtec.ac.in)

Contact Nos.

8012570109, 8012570152

Name of the Head of the Institution:

Dr. M. BARATHI

Tel. No. with STD Code:

0416 2230900

Mobile:

8012570109

Name of the IQAC Co-ordinator:

Dr. B. THENRAL

Mobile:

99423 71304

IQAC e-mail address:

iqac@gtec.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNCOGN24061

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

1.5 Website address:

www.gtec.ac.in

Web-link of the AQAR:

http://www.gtec.ac.in/iqac.php

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.60	2016	5 years
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

10/06/2015

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2015 - 16 submitted to NAAC on 19-10-2016
- ii. AQAR 2016 - 17 submitted to NAAC on 18-11-2017
- iii. AQAR 2017 - 18 submitted to NAAC on 15-11-2018

1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

**Anna University**

1.11 Name of the Affiliating University (for the Colleges)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme  UGC-CE

UGC-Special Assistance Programme	-	DST-FIST	-
UGC-Innovative PG programmes	-	Any other ( <i>Specify</i> )	-
UGC-COP Programmes	-		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	19		
2.2 No. of Administrative/Technical staff	2		
2.3 No. of students	4		
2.4 No. of Management representatives	1		
2.5 No. of Alumni	3		
2.6 No. of any other stakeholder and community representatives	1		
2.7 No. of Employers/ Industrialists	1		
2.8 No. of other External Experts	1		
2.9 Total No. of members	32		
2.10 No. of IQAC meetings held	2		
2.11 No. of meetings with various stakeholders:	No.	Faculty	
	4	2	
Non-Teaching Staff	Students	Alumni	Others
1	1	1	0
2.12 Has IQAC received any funding from UGC during the year?	Yes	No	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, mention the amount			

### 2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

An Internal Awareness Programme on ISO 9001:2015 implementation

### 2.14 Significant Activities and contributions made by IQAC

- Fulfilling social responsibilities.
- Conducting Symposium, conference, workshops, guest lectures, seminar and arranging Industrial visits to students.
- Conducting faculty development programmes.
- IQAC is constantly evaluating teaching learning process through feedbacks
- Strengthening the campus placements process to provide job opportunities for the students.
- Strengthen the Environmental Projects for Green Campus.
- Regular Academic Audit, Development Programmes for Staff, Faculty and Students
- Periodically verifying PO & CO.

### 2.15 Plan of Action by IQAC/Outcome

Plan of actions	Achievements
To Organize workshops to ECE, IT, CSE, MBA departments.	Organized workshop on Robotics and IoT, IIRS National Workshop on Popularization of Remote Sensing based Maps and Geospatial Information, Arduino Based System Design to ECE department, Organized workshop on Migration of Physical Data Centre to Cloud, Python Programming, Advanced Ethical Hacking to IT department, Organized Workshop on Python Programming to CSE department, Organized Workshop on Share Trading, Scopes of Entrepreneurship in Mushroom Cultivation to MBA department.
To Organize Industrial visits and Symposium to all departments.	Organized Industrial visit and symposium to all departments
To Organize International Yoga Day Celebration at GTEC on 21.06.2018	Organized International Yoga Day Celebration at GTEC on 21.06.2018
To Organize One Day seminar on “Scope of Electronics & Communication Engineering” @ GTEC on 28.06.2018	Organized One Day seminar on “Scope of Electronics & Communication Engineering” @ GTEC on 28.06.2018

To organize a one day Student Technology Awareness Programme (STAP) to the students of Government Higher Secondary School on 16-07-18.	Organized a one day Student Technology Awareness Programme (STAP) to the students of Government Higher Secondary School on 16-07-18.
To organize a Two days Faculty Development program on “Python Programming and Machine Learning” was conducted between 27/7/18 and 28/7/18	Organized a Two days Faculty Development program on “Python Programming and Machine Learning” was conducted between 27/7/18 and 28/7/18
To organize Induction Programme for IT Department Students in the month of July 2017	Organized Induction Programme for IT Department Students on 22nd Jul 2017
To Organize Special Motivational speech and about Job Awareness on 18-08- 2017.	Organized Special Motivational speech and about Job Awareness on 18-08- 2017.
To Organize a two days Intra college Quiz competition on 04.10.2017 & 05.10.2017.	Organized a two days Intra college Quiz competition on 04.10.2017 & 05.10.2017.
To organize Kathi Day was organized by MBA department on 5/10/17	Organized Kathi Day was organized by MBA department on 5/10/17
To organize one day Guest Lecture on " Engineering Thermodynamics" in the month of October 2017	Organized one day Guest Lecture on " Engineering Thermodynamics" on 10.10.2017
To Organize one day Fire Safety for School Students on 17th October 2017 at koonapresidency matric school Vellore.	Organized one day Fire Safety for School Students on 17th October 2017 at koonapresidency matric school Vellore.
To organize Guest Lecture on Goods and Services tax organized by MBA department on 18/11/17	Organized Guest Lecture on Goods and Services tax organized by MBA department on 18/11/17
To organize a “Guest Lecture on IOT and Big-Data” was conducted on 27/12/2017.	Organized a “Guest Lecture on IOT and Big-Data” was conducted on 27/12/2017.
To organize Expert Speak Session on Mutual fund trading on 3/02/18	To organize Expert Speak Session on Mutual fund trading on 3/02/18
To organize one day Guest Lecture on " Gas Dynamics and Jet Propulsion" in the month of March 2018	Organized one day Guest Lecture on " Gas Dynamics and Jet Propulsion" on 17.03.2018
To Organize Two days IEEE & IETE Sponsored National Conference on 20.03.2018 & 21.03.2018 at GTEC	Organized Two days IEEE & IETE Sponsored National Conference on 20.03.2018 & 21.03.2018 at GTEC
To Organize skill development training program under the aegis of “National Skill Development Corporation (NSDC)” for the scheme “Pradhan Mantri Kaushal Vikas Yojana (PMKVY).	Organized skill development training program under the aegis of “National Skill Development Corporation (NSDC)” for the scheme “Pradhan Mantri Kaushal Vikas Yojana (PMKVY)
To organize Faculty Orientation Programme - on Soft Skills & Teaching Methodology	Organized Faculty Orientation Programme - on Soft Skills & Teaching Methodology.

*\* Attached the Academic Calendar of the year as Annexure I.*

2.15 Whether the AQAR was placed in statutory body Yes  No   
Management  Syndicate  Any other body

Provide the details of the action taken

The AQAR was approved of, by the management and the areas that have to be improved were identified.

**Part – B**  
**Criterion – I**

**1. Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	02	-	-	-
UG	06	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	01
Others	-	-	-	-
<b>Total</b>	08	-	-	01

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: ~~CBCS/Core/Elective option / Open options~~

➤ Choice Based Credit System(CBCS)

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	08
Trimester	-
Annual	-

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*An analysis of the feedback is provided in Annexure - II and III.*



1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Yes. The regulation was revised in the year 2017 by Anna University.
- The University is emphasizing the importance to fill the gap between the college and corporate by introducing Value Added Course and Online Certification courses with 1 or 2 credits for each.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	132	121	9	2	NIL

2.2 No. of permanent faculty with Ph.D.	6
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2.3 No. of Faculty Positions  Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	6	0	0	17	0	11	NIL	NIL	6	28

2.4 No. of Guest and Visiting faculty and Temporary faculty	NIL	NIL	NIL
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	NIL	42	12
Presented papers	4	31	NIL
Resource Persons	NIL	3	NIL

2.6 Innovative processes adopted by the institution in Teaching and Learning:

<p>Interactive sessions and Group discussions were arranged for students to enrich the knowledge.</p> <p>e-learning provides a platform for students to improve their technical knowledge through e-resources. The e-resources include e-books of various courses of each department, NPTEL videos, EDUSAT, Brainstorm, Role play, Tutorial Classes, Mindmap Creations, AVIEW- Online Classes and Virtual Labs.</p> <p>Students were encourage to attend the company internship to get the industrial exposure .</p> <p>Students were motivated by Industry oriented project, Paper presentation, Conference, Symposium.</p> <p>Mock Interview, Mock group discussion for students by industry experts.</p> <p>Effective mentoring, counseling for students.</p> <p>Soft skill programme for students by industry experts.</p>
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2.7 Total No. of actual teaching days during this academic year	164 days
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2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Faculty members are insisted to prepare the question paper in accordance with Bloom's Taxonomy.
- Continuous learning Assessment tests were introduced in all the classes to assess performance of students on regular basis.

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

NIL	NIL	NIL
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2.10 Average percentage of attendance of students

89.25 %
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2.11 Course/Programme wise distribution of pass percentage:

UG Programmes

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E-CSE	28	NIL	60.71	14.28	NIL	75.00
B.E-CIVIL	45	NIL	37.77	17.77	NIL	55.55
B.E-ECE	55	7.27	67.28	12.72	NIL	87.27
B.E-EEE	20	5	55	20	NIL	80
B.Tech –IT	7	NIL	85.7	NIL	NIL	85.7
B.E –MECH	120	NIL	36.66	13.33	NIL	50

PG Programmes

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.E-CSE	NIL	NIL	NIL	NIL	NIL	NIL
M.E-CN	1	NIL	100	NIL	NIL	100
M.E –EST	NIL	NIL	NIL	NIL	NIL	NIL
ME –CIE	1	NIL	100	NIL	NIL	100
M.Tech –IT	NIL	NIL	NIL	NIL	NIL	NIL
M.E- ME	NIL	NIL	NIL	NIL	NIL	NIL
MBA	34	3	8.82	64.7	NIL	76.47
MCA	42	10	86	NIL	NIL	96

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- IQAC Monitor Evaluate the Teaching & Learning processes through periodical Internal Quality Audit and feedback from stakeholders.
- Collects course files randomly and assess the process followed and the attainment of Course Outcomes.
- Creates policies and procedures to enhance the teaching and learning.
- Conducts workshops on the teaching-learning process.
- Evaluate the student's academic performance continuously through assignment, cycle test, assessment tests, model examination and university examination.
- Evaluate effective delivery of course, knowledge, sharing, time management etc.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	0
UGC – Faculty Improvement Programme	0
HRD programmes	1
Orientation programmes	23
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	56
Others (FDP)	32

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	14	NIL	NIL	NIL
Technical Staff	17	NIL	NIL	NIL

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

To promote research and consultancy activities in campus, faculty members are motivated to undergo research programs and they are encouraged to attend conferences, Seminars etc., related with research and encouraged to attend the same with On-Duty.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	11	2	-
Non-Peer Review Journals	20	-	-
e-Journals	10	-	-
Conference proceedings	1	6	1

#### 3.5 Details on Impact factor of publications:

Range 1.426-5.4 Average 3.41 h-index 1 2 5 Nos. in SCOPUS 3

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books   
 ISBN: 978-3-319-44890-9 Vol.189,2017

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

(NSTEDB-DST,PMYUVA,PMKVY-TY SPONSORED)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	Nil	1	Nil	Nil	Nil
Sponsoring agencies	Nil	IEEE Society	Nil	Nil	Nil

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College   
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows  
 Of the institute in the year

Total	International	National	State	University	Dist	College
Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

Nil  
Nil

3.19 No. of Ph.D. awarded by faculty from the Institution

Nil

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF Nil SRF Nil Project Fellows Nil Any other Nil

3.21 No. of students Participated in NSS events:

University level Nil State level 39  
National level Nil International level Nil

3.22 No. of students participated in NCC events:

University level Nil State level Nil  
National level Nil International level Nil

3.23 No. of Awards won in NSS:

University level Nil State level Nil  
National level Nil International level Nil

3.24 No. of Awards won in NCC:

University level Nil State level Nil  
National level Nil International level Nil

3.25 No. of Extension activities organized

University forum Nil College forum 12  
NCC Nil NSS 05 Any other Nil

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Awareness Programme on Literacy Day was celebrated on 8.09.17
- "Seed Balls Preparation" – Target 5000 on 29.09.17
- Organized Blood Donation Camp, in association with Govt.Hospital, Adukammabarai & Narayani Hospital on 4.10.17
- Kadhi Day was celebrated at our campus on 05.10.2017 to mark the occasion of the birthday of Mohandas Karamchand Gandhi.
- Organised Dengue Awareness Programme at PHC kaniyambadi on 12.10.17

- National Engineers Day- Awareness was celebrated on 15.10.17 about Engineering and Innovation
- Awareness Programme on One day Fire & Safety for School Students on 17.10. 2017 at koonapattinam presidency matric school Vellore.
- Maths and Science Expo- 2017 was organised at GTEC on 22.11.2017- 30.11.2017
- Maths and Science Expo- 2018 was organised at GTEC on 04.01.2018- 05.01.2018
- Organised women's Day at GTEC on 8.3.18
- NSS special Camp held at Naganadhi Village for 150 members, Hand washing Awareness camp, AIDS Awareness camp, Free Sapling Plantation held at Elementary School, Naganadhi Village on 21.3.18 to 27.3.18.
- Organised World's Book Day at GTEC on 23.04.18
- Organized Eye, Dental & Physiotherapy Camp in association with Singhvi & Ramachandra Medical University. 105 Specs distributed to surrounding villages around GTEC on 1.5.18
- Election & Voter ID Awareness Camp on 25.5.18.
- Organized International Yoga Day Celebration at GTEC on 21.06.2018.
- Organized skill development training program under the aegis of "National Skill Development Corporation (NSDC)" for the scheme "Pradhan Mantri Kaushal Vikas Yojana (PMKVY)
- Organized Entrepreneurship training program under the aegis of "National Skill Development Corporation (NSDC)" for the scheme "Pradhan Mantri YUVA Yojana"



## CRITERION – IV

### 4. Infrastructure And Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	21.66 acres	-	GTEC	21.66 acres
Class rooms	63	-	GTEC	63
Laboratories	40	-	GTEC	40
Seminar Halls	1	-	GTEC	1
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	1	GTEC	1
Value of the equipment purchased during the year (Rs. in Lakhs)	-	0.53631 lakhs	GTEC	0.53631 lakhs
Others	-	-	-	-

#### 4.2 Computerization of administration and library

**Library:** The Library is fully computerized using Autolib software and the activities are carried out.

- Accession of Books, Periodicals, Back Volumes, Project Reports, CDs and DVDs
- Members Entry, Book Issue, Return process are automated and bar codes used.
- 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.
- NPTEL: (National Programme on Technology Enhanced Learning)  
It is a platform where web and video classes are taken by IITs & IISC faculty and our students view these videos with the help of headphones.
- DELNET: (Developing Library Network)  
This is a platform which provides e-journals (International) and Inter Library Loans. Through their facilities we can access any book from any part of the country, which is out of print books and reference books.

#### Administration

- Biometric attendance for all faculties.
- e- Circular.
- e- Indent forms.
- Cafeteria computer billing.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in Rs)	No.	Value (in Rs)	No.	Value (in Rs)
Text Books	26,092	84,36,293	498	1,30,599	26,590	85,66,892
Reference Books	2,594	12,22,880	30	12,070	2,624	12,34,950
e-Books	18	9,413	0	0	18	9,413
Journals	5	4,300	0	0	5	4,300
e-Journals	1,669	11,500	0	0	1,669	11,500
Digital Database	NPTEL	17,800	0	0	NPTEL	17,800
CD & Video	2,922	0	95	0	3,017	0
Others (specify)	0	0	0	0	0	0

#### 4.4 Technology up gradation (overall)

	<b>Total Computers</b>	<b>Computer Labs</b>	<b>Internet</b>	<b>Browsing Centers</b>	<b>Computer Centers</b>	<b>Office</b>	<b>Departments</b>	<b>Others</b>
Existing	613	20	50Mbps	02	02	11	578	-
Added	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-
<b>Total</b>	<b>613</b>	<b>20</b>	<b>50Mbps</b>	<b>02</b>	<b>02</b>	<b>11</b>	<b>578</b>	<b>-</b>

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Two Days National Level Technical Workshop on Python Programming.
- Guest Lecture on IOT and Big-Data was conducted.
- Two days workshop Robotics & Internet of Things
- IEEE MAS, IEEE ComSoc & IEEE PSES Sponsored workshop on "Arduino based System Design".
- workshop on VLSI design
- One day workshop on Migration of Physical Data Center to Cloud
- Two days workshop on Advanced Ethical Hacking
- Effective Utilization of Online Public Access Catalogue Event conducted World Book Day Celebration
  
- IIRS Outreach programme-ISRO training to teachers and students.
- CISCO networking academy for students.
- Virtual Labs training to teachers and students.
- E- saraswathi upload of course notes, university question with answer, lesson plan, question bank etc.
- Library web server.
- Google apps.

#### 4.6 Amount spent on maintenance in lakhs:

i) ICT

**Rs.15.42 lakhs**

ii) Campus Infrastructure and facilities

**Rs.42.84 lakhs**

iii) Equipments

**Rs.2.16 lakhs**

iv) Others

**Rs.27.27 lakhs**

**Total:**

**Rs.87.69 lakhs**

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- The IQAC organized Orientation classes for the students at the beginning of the academic year to provide information regarding the vision and mission of the college and the facilities available in the campus.
- IQAC ensures Anti-Ragging cell to make the fresher and others aware of the effects of ragging every year.
- Every year feedback in questionnaire form is taken from students, parents, alumnae and other stakeholders to assess the quality and standard of the institution.
- Motivated the students to use Technology like PPT presentation, Study Projects and assignments using Internet, OHP, Peer teaching with models etc.
- Updates on notice boards and college website to ensure active participation by students in various activities.
- E-filing System to promote paperless organization.
- Website Updates
- E-Saraswathi/Intranet
- Counselling
- E-mail SMS Services,

#### 5.2 Efforts made by the institution for tracking the progression

- Parents teachers meetings were arranged by all department for giving awareness to parents.
- Institution has Centralized Exam cell in association with department Exam cells to monitor the progression through internal assessments.
- First hour test, periodic tests; Midterm tests, Model exams. In addition to that Re-tests, Re-models and Coaching classes for slow learners are being regularly conducted.
- Slow learners are identified in progress report and counselling report.
- Institution has well structured Counselling Hierarchy from Professional Psychiatrists, Principal, and HODs & Counsellors to help the improvement in student's progression.
- Monitoring of attendance by Counsellors, Class incharges & HODs,
- From the Feedbacks collected from Alumni and Exit surveys the progressions of the students are tracked.
- Bridge courses are conducted for the lateral entry students for mathematics.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
816	188	-	-

(b) No. of students outside the state

5

(c) No. of international students

-

Men	No	%	Women	No	%
	631	62.8		373	37.2

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
87	158	-	969	-	1214	78	153	-	773	-	1004

Demand ratio % nil      Dropout 0.5 %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Study Materials are available in the college central library for competitive exams.
- Information about Government ,government aided organizations are given in Central Library OPAC system
- Placement training programmes are being conducted by Placement and training Cell to all the students.

No. of students beneficiaries 1004

#### 5.5 No. of students qualified in these examinations

NET	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	SET/SLET	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	GATE	<span style="border: 1px solid black; padding: 2px 10px;">5</span>	CAT	<span style="border: 1px solid black; padding: 2px 10px;">-</span>
IAS/IPS etc	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	State PSC	<span style="border: 1px solid black; padding: 2px 10px;">6</span>	UPSC	<span style="border: 1px solid black; padding: 2px 10px;">0</span>	Others	<span style="border: 1px solid black; padding: 2px 10px;">5</span>

## 5.6 Details of student counseling and career guidance

Yes, our institution facilitates various campus recruitment for the benefit of students.

- Counseling hours are conducted on every week to all students.
- The Placement and Training Cell is dedicated to advising students on career options and providing the latest information on training & employment opportunities, providing Guidance, counseling services.
- Many books & materials are available in library as well as in Training & Placement for preparing competitive exams and various technical interviews.
- The Placement and Training Cell organizes SMART placement training where experts are brought to the institution to provide various technical and placement related trainings which helps a lot to get placed in various top level MNCs as well as in government services.
- The placement cell continuously interacts with reputed organizations and private recruitment consultants for arranging campus interviews for final year students.
- Placement and training cell with department of science and humanities acting an important role in developing their communication skills right from the year one. The respective department faculties are also guiding the students by giving several motivating tips through counseling.
- Other than this, Industry institute interaction cell (IIC) of our institute also joins hands with the training and placement cell to undertake several activities like industry visit, inplant training, personality development programs, R&D projects, guest lecture, which enhance the technical ability and various hard and soft skills of the students and also their exposure to the outside world.
- Many of our students have undergone training program in BHEL, BSNL, ISRO, DOORDHARSHAN, and NSIC.
- The following are the facilities provided to the students by the placement and training cell
  - Online test system
  - Mini library projecting various books on aptitude practice and test, communication development, interview question and motivating guides
  - Employment newspaper and other career notices
  - Communication and interview techniques
  - English communication skills lab with high end provisions like smart board, English mastery

No. of students benefitted

1004

## 5.7 Details of campus placement

	<i>On campus</i>		<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
9	180	98	20

## 5.8 Details of gender sensitization programmes

Women's day celebrated on 08-03-2018 by women welfare committee, IEEE women in Engineering started and through which various program were arranged for gender sensitization.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events: -

State/ University level  National level  International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	264	5083500
Financial support from government	669	20238570
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

### 5.12 No. of social initiatives undertaken by the students

- ✓ Celebration of Kadhi day
- ✓ Free Eye & Dental Camp
- ✓ Blood Donation Camp
- ✓ Women's day celebration
- ✓ National Science Day
- ✓ World Literacy Day
- ✓ Seed ball preparation and distribution.
- ✓ Eradication of Karuvelam Trees.

### 5.13 Major grievances of students (if any) redressed:

- Transport facility is provided to Arni.
- Additional Canteen arranged in Mahaveer Block.

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

##### **VISION OF THE INSTITUTE**

To be a premier Institution of choice in the region and become one of the leading educational Institutions in the country widely recognized for providing high quality, transformative and affordable value based education in the field of engineering and technology.

##### **MISSION OF THE INSTITUTE**

We are committed to excellence in technical education that is strongly anchored on a system of superior and ethical values and dedication to our long term objective of becoming the premier institution in the field, constantly responsive to the needs of the times and directed to serve the nation and the world.

#### 6.2 Does the Institution has a Management Information System

- Yes, Institution has its own Management Information System to manage general administration, examination, student attendance and continuous evaluation marks.
  1. E-saraswathi
  2. Biometric System
  3. Library Usage

#### 6.3 Quality improvement strategies adopted by the institution for each of the following:

##### 6.3.1 Curriculum Development

- Since the College is affiliated to Anna University it abides to the changes in curriculum as prescribed by the university.

- Separate academic setup to ensure better Teaching and Learning based on the Course Outcomes
- Faculty Members are deputed to various FDP and workshop at various institutions and universities to learn about latest innovations and modern teaching pedagogy to transform classroom instruction into practical reality.
- The following facilities are available in the institution to ensure better Teaching & Learning
  1. Interactive Board in all Departments
  2. Coaching Classes for Communicative Skills
  3. EDUSAT / NPTEL Online Courses
  4. Field Trips and Lab Visits for Hands On experience
  5. Smart Classrooms, Virtual Lab, AVIEW
  6. E-Saraswathi
  7. Content beyond the syllabus
  8. Facilitated blended learning methodology.
  9. Demonstrative Classes
  10. Industrial Visit
  11. Department Symposium
  12. Virtual Lab

### 6.3.3 Examination and Evaluation

- Since the College is affiliated to Anna University so it follows the strategy for the conduction of the examination and evaluation as per the guidance of the university.
- Two Continuous Internal Assessment Test (CIAT) and one Model Exam is conducted by our college.
- Marks secured in this test 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 written for 100 Marks.
- Central Valuation is done by the University.

### 6.3.4 Research and Development

- 6 Faculties with Doctorate and 7 Faculties are pursuing their Research.
- The Faculty Published 31 articles in International and 2 articles in National peer and non-peer reviewed journals.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Wi-Fi facility is provided
- Uninterrupted Power Supply Units were added
- New Lab equipment and software were procured for labs in different departments.
- Digital library along with DELNET facility is provided.

### 6.3.6 Human Resource Management

- Faculty Members are motivated to acquire additional qualifications.
- Encourage to present and publish papers in International & National Forums.
- Development programs for faculty are planned and conducted by IQAC.
- Staff Members are encouraged to do certified courses, Diploma and UG courses.
- Additional responsibilities are taken up for extra & co-curricular activities by the Faculty
- Yoga classes are organised for both teaching as well as non teaching staffs.



### 6.3.7 Faculty and Staff recruitment

- Faculty and Staff recruitment is done as per the rules and regulations of Anna University & according to the statutory order of the Government of Tamilnadu
- The College has a policy of recruiting members with PG /PhD for faculty positions.
- Faculty recruitment is done based on the positions to be filled.
- Recognition through awards for outstanding performance.
- Measures taken by college for attracting and retaining eminent faculty members.
- FDP, Workshops and Seminars
- Training and Induction Program for Non-Teaching Staff.
- Orientation program for new recruits.

### 6.3.8 Industry Interaction / Collaboration

- MOU with various industries to impart knowledge to students.
- Guest Lectures for faculty and students with industrial experts.
- 76 academic projects have been done in industries.
- 18 industrial visits have been arranged for students.
- 81 students have undergone In-plant Training in Industries.

### 6.3.9 Admission of Students

- Admission is conducted as per University norms & Government orders
- GTEC follows an admission policy generated by State Government through Tamil Nadu Engineering Admissions (TNEA).
- For the Under Graduate Program (B.E. & B.TECH.), 80% of the seats are reserved and filled as per the Tamil Nadu Govt., norms through single window counselling by the affiliating University while the remaining 20% of the seats are filled, as per the norms of Consortium of Self Financing Arts and Professional Colleges, Tamil Nadu.
- For the Post Graduate Program, 50% of the seats are reserved and filled as per the Tamil Nadu Govt., norms through single window counselling 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.

6.4 Welfare schemes for

Teaching	Rs. 3, 28, 320.00	Faculty training Gift compliments Faculty uniform Group insurance Other allowance
Non teaching	Rs. 15, 23, 705.00	Gift and compliments Staff uniform Group insurance Employee provident fund Driver TA & DA Mess allowance Other allowance
Students	Rs. 6, 02, 542.00	Jain scholarship Best performance award Professional forum membership Student health care monitoring Group health insurance Fees waiver for good academic background students Allowances for sport activities

6.5 Total corpus fund generated

Rs.15, 93, 63, 710.00
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6.6 Whether annual financial audit has been done  Yes  No

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Anna University and ISO	Yes	Internal auditor
Administrative	Yes	ISO	Yes	Internal auditor

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes  No

For PG Programmes Yes  No

6.9 What efforts are made by the University / Autonomous College for Examination Reforms?

Nil

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Nil

6.11 Activities and support from the Alumni Association

- Alumni's meeting is being conducted every year on January 26th.
- Alumni are frequently invited as resource person for various Guest Lecture, Seminar, Workshop, and Symposium.
- Placement awareness given by alumni.

6.12 Activities and support from the Parent Teacher Association

- Department-wise Parents meeting is conducted at least once in each semester.
- This meeting is to identify /discuss the strength and weakness related to students.
- We get valuable feedback from the parents to improve the quality of the Institution.

6.13 Development programs for support staff

- Various technical programmes are arranged for supporting staff every year.
- General trainings such as handling of fire fighting equipment, Computer literacy and first aid awareness.

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

Many Saplings are planted through ROTRACT club

- Solar Energy
- Waste Segregation
- Reduction in office paper consumption
- Rain Water harvesting etc.
- Litter free and plastic free campus.
- Paperless organisation
- Electrical waste management.
- Power consumption.
- Follow environmental policy.
- Sewage Treatment Plant etc.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- ✓ Industrial Visits were arranged for tough subjects by various departments for better understanding of the subject and improvising the results.
- ✓ Interactive sessions, Group Discussions and Role plays were conducted for effective and enriching classes for knowledge upgradation.
- ✓ Entry level Bridge Courses were conducted for First year and Lateral Entry students for strengthening the fundamental basics of Mathematics and other technical subjects.
- ✓ Counselling was given to students to review his academic and personal issues at the ground level and resolve them.
- ✓ Soft Copies of Study materials uploaded in our college website for better enhancement of sound knowledge.
- ✓ Placement Awareness Program for Pre-Final year and final year students was given to update their Aptitude, Technical knowledge and Soft skills.
- ✓ Every Year Maths & Science Exhibition was Organised
- ✓ Academic Audit was carried out as per the Guidelines of IQAC at our institution to develop the Teaching system.
- ✓ Special & Tutorial classes were held for slow learners on regular basis for result improvisation

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year.

- ✓ Organized 18th IIRS Outreach Programme on 'Basics of Remote Sensing, GIS & GNSS through A-View
- ✓ Conducted STAP (Student Technology Awareness Programme) to school students.
- ✓ Arranged Industrial Visits by all the departments.
- ✓ Organized various Guest lecturers by various departments.
- ✓ Conducted Skill development certification programs for students and outsiders.
- ✓ Organized various social service activities with students.
- ✓ Entire campus is equipped with Wi-Fi connectivity.
- ✓ Most of our faculty members have participated in different conferences, seminars and FDPs' to modernize their knowledge.
- ✓ Faculty members have published papers in reputed National and International journals.
- ✓ Apart from academic curriculum, career development programs were given by placement and training department.
- ✓ Various cultural activities have been organized at college.

### 7.3 Give two Best Practices of the institution

#### **I. First hour test:**

Students can concentrate more on their subjects which enable them to score more marks in the University Examination. Regular First Hour Test may be helpful to study in their home in advance. It will improve their Analytical thinking. Students can prepare small topics/sums which will assist their performance in CIAT& Model Exams. It will regularise their studies and enhance their subject knowledge.

#### **II. E-Saraswathi (Knowledge based)**

Education plays a vital role in shaping students' social & professional growth. The initiative taken by the institution in providing quality education to the students stands par in excellence. The teaching strategies adopted in the institution like chalk and talk, presentations, smart board are very effective in disseminating knowledge to students. In addition to these and to cope up with the growing technology, the college has incorporated the practice of uploading all notes every semester in the college web portal. This paves way for the students to learn through technology. This facility helps the students to access the knowledge 24X7. Every individual student have their own login id and password to access the uploaded study materials at any time anywhere. Also students can see other academic information like internal assessment, lab plan, Notes of lesson, University question bank.

### 7.4 Contribution to environmental awareness / protection

- ✓ To create awareness of depleting Energy resources, Solar panels were installed within the campus.
- ✓ In order to create Solid Waste Management awareness, Manure for plants was collected from Vegetable waste
- ✓ 3000 seed balls were prepared by Rotaractors and planted in nearby areas and mountain of Kaniyambadi
- ✓ Various Awareness like Eye & Blood donation, Dental & Physiotherapy, Road & Fire Safety Awareness have been created.
- ✓ Eradication of karuvelam trees was done by Rotaract club members.
- ✓ Saplings and tree plantation is also the continuous activity in the college.
- ✓ Our College Environment has been made litter free and Plastic free by minimal usage of Paper and plastics within the campus
- ✓ Our Campus is maintained green and lush by recycling of sewage water.

YES

NO

7.5 Whether environmental audit was conducted?


7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

- ✓ Training and placement activities have been improved. Compared with last year this year more number of students has been placed in reputed companies.
- ✓ Various committees have been formed in the college through IQAC to provide better academic environment for the students who come from the rural areas.
- ✓ To improve the quality of academic, we have introduced an effective Teaching and Learning Process through lesson plan method.
- ✓ Various measures had been taken for the improvement of admission.

**8. Plans of institution for next year**

- To publish more papers in reputed international and national journals
- To get the consultancy projects
- To offer inter disciplinary seminars, workshops and conferences.
- To improve the results to the next level
- To hold more campus interview to create avenue of employment for students
- Develop more linkages with industries and other universities.
- Enhance research funding
- To explore possibilities for active industry participation
- Evolve a scheme for Non Teaching staff

  
**DR. B. THENRAL**  
Coordinator, IQAC

  
**DR. M. BARATHI**  
Chairperson, IQAC



## ANNEXURE I

### Academic Calendar 2017 – 18

<b>Date</b>	<b>Day</b>	<b>July Month - Activity</b>
01-Jul-17	<b>Saturday</b>	
02-Jul-17	<b>Sunday</b>	<b>Holiday</b>
03-Jul-17	Monday	College Reopens
04-Jul-17	Tuesday	
05-Jul-17	Wednesday	
06-Jul-17	Thursday	
07-Jul-17	Friday	Industrial Visit - MECH / Workshop on Cloud Computing Security - IT
08-Jul-17	<b>Saturday</b>	<b>Chaturmas begins - Holiday</b>
09-Jul-17	<b>Sunday</b>	<b>Holiday</b>
10-Jul-17	Monday	
11-Jul-17	Tuesday	
12-Jul-17	Wednesday	
13-Jul-17	Thursday	
14-Jul-17	Friday	Guest lecture on Theory of Computation - CSE
15-Jul-17	<b>Saturday</b>	Guest Lecture on Animation Tools and Techniques - IT / Orientation Programme for Rotaractors
16-Jul-17	<b>Sunday</b>	<b>Holiday</b>
17-Jul-17	Monday	
18-Jul-17	Tuesday	
19-Jul-17	Wednesday	
20-Jul-17	Thursday	
21-Jul-17	Friday	Anti-Ragging Committee Meeting / Rotaract Club of GTEC 2017 – 18 Installation
22-Jul-17	<b>Saturday</b>	Guest Lecture on Personality Development and Postures - IT
23-Jul-17	<b>Sunday</b>	<b>Holiday</b>
24-Jul-17	Monday	
25-Jul-17	Tuesday	
26-Jul-17	Wednesday	
27-Jul-17	Thursday	
28-Jul-17	Friday	IEEE - Women in Engineering Sponsored “ Interdepartmental Slogan Making Contest” - ECE
29-Jul-17	<b>Saturday</b>	Seminar on Ruby on Rails and PHP - IT / Rotaract General Meet
30-Jul-17	<b>Sunday</b>	<b>Holiday</b>
31-Jul-17	Monday	
01-Aug-17	Tuesday	
02-Aug-17	Wednesday	Guest lecture - MECH
03-Aug-17	Thursday	

04-Aug-17	Friday	
05-Aug-17	Saturday	Smt. CHANDRA BAI SINGHVI 1st Endowment Lecture Series / Industrial Visit - CSE / Guest lecture - MECH / Seminar on Latest Technologies in IT by Alumni - IT / Soft Skill Programme for Rotarators
06-Aug-17	Sunday	Holiday
07-Aug-17	Monday	
08-Aug-17	Tuesday	
09-Aug-17	Wednesday	
10-Aug-17	Thursday	NSS Regular Activity / GUEST LECTURE FOR EMT - EEE
11-Aug-17	Friday	Two days National level Workshop Grid and Cloud Computing - CSE / Symposium MECHARIO'17 - MECH / Guest Lecture for Finance - MBA / IEEE Sponsored Workshop on " Robotics & Arduino designs " / " Photoshop " for faculty and students - ECE
12-Aug-17	Saturday	Two days National level Workshop Grid and Cloud Computing - CSE / Logical Reasoning Training Programme for IV year Students - IT
13-Aug-17	Sunday	Holiday
14-Aug-17	Monday	Krishna Jayanthi
15-Aug-17	Tuesday	Independence Day / Independence Day Celebration by Rotaract Club /
16-Aug-17	Wednesday	Guest lecture - MECH / / Civil ICI Students chapter
17-Aug-17	Thursday	Anti-Ragging Committee Meeting / GUEST LECTURE-Control Systems - EEE
18-Aug-17	Friday	Guest lecture on PDS-II - CSE / Parent teacher meeting - MECH / Workshop on Big Data Analytical Tools - IT / The Photography Show 2017 by Rotaract Club
19-Aug-17	Saturday	Parva Paryushan begins - Holiday
20-Aug-17	Sunday	Holiday
21-Aug-17	Monday	Internal Assessment Test-I
22-Aug-17	Tuesday	Internal Assessment Test-I
23-Aug-17	Wednesday	Internal Assessment Test-I / Internal Assessment Test-I (P.G First Sem)
24-Aug-17	Thursday	Internal Assessment Test-I/ Internal Assessment Test-I (P.G First Sem) / Guest Lecture - MCA / Guest Lecture for Accounts - MBA / Guest Lecture on Recent Trends in IT by Alumni - IT / Green Plantation Programme by Rotaract Club
25-Aug-17	Friday	Vinayakar Chathurthi
26-Aug-17	Saturday	Parva Paryushan ends - Holiday
27-Aug-17	Sunday	Holiday
28-Aug-17	Monday	Internal Assessment Test-I/ Internal Assessment Test-I (P.G First Sem) / Civil National Level Work Shop
29-Aug-17	Tuesday	Internal Assessment Test-I / Internal Assessment Test-I (P.G First Sem)
30-Aug-17	Wednesday	Internal Assessment Test-I (P.G First Sem) / Industrial Visit - MECH

31-Aug-17	Thursday	Internal Assessment Test-I (P.G First Sem)
01-Sep-17	Friday	One day Workshop - MECH / IEEE & IETE Sponsored A Technology awareness program for school students - ECE
02-Sep-17	Saturday	Bakrid
03-Sep-17	Sunday	HOLIDAY
04-Sep-17	Monday	
05-Sep-17	Tuesday	
06-Sep-17	Wednesday	
07-Sep-17	Thursday	
08-Sep-17	Friday	International Literacy Day Celebration by Rotaract
09-Sep-17	Saturday	Industrial Visit - CSE / Guest Lecture for Marketing Management - MBA / Inauguration of SAIT - IT
10-Sep-17	Sunday	HOLIDAY
11-Sep-17	Monday	
12-Sep-17	Tuesday	
13-Sep-17	Wednesday	Industrial Visit - MECH
14-Sep-17	Thursday	
15-Sep-17	Friday	Workshop - MCA / Intra Project Expo by Rotaract / Civil Engineering day / Civil Model Making Competition
16-Sep-17	Saturday	Internal Assessment Test-II / Parent teacher meeting CSE / Recrocyb'17 - A National Level Technical Symposium - IT / Awareness Programme on World Ozone Day by Rotaract / Civil Awareness Program / Ozone Preservation Day
17-Sep-17	Sunday	HOLIDAY
18-Sep-17	Monday	Internal Assessment Test-II
19-Sep-17	Tuesday	Internal Assessment Test-II
20-Sep-17	Wednesday	Internal Assessment Test-II
21-Sep-17	Thursday	Internal Assessment Test-II / Awareness Programme on World Peace Day by Rotaract / GUEST LECTURE-Special Electrical Machines - EEE
22-Sep-17	Friday	Internal Assessment Test-II / Internal Assessment Test-II (P.G First Sem) / Industrial Visit - MCA / IEEE Sponsored Guest Lecture on Transmission Lines and Wave Guides for III year ECE - ECE
23-Sep-17	Saturday	Internal Assessment Test-II (P.G First Sem) / Guest Lecture for Accounts - MBA / Soft Skill Programme for IV year Students - IT / SYMPOSIUM-EEE
24-Sep-17	Sunday	HOLIDAY
25-Sep-17	Monday	Internal Assessment Test-II (P.G First Sem)
26-Sep-17	Tuesday	Internal Assessment Test-II (P.G First Sem)
27-Sep-17	Wednesday	Internal Assessment Test-II (P.G First Sem)
28-Sep-17	Thursday	Internal Assessment Test-II (P.G First Sem) / GUEST LECTURE for Robotics and Control - EEE
29-Sep-17	Friday	Ayutha Pooja

30-Sep-17	Saturday	Vijaya Dasami
01-Oct-17	Sunday	HOLIDAY - Muharram
02-Oct-17	Monday	Gandhi Jayanthi
03-Oct-17	Tuesday	
04-Oct-17	Wednesday	
05-Oct-17	Thursday	
06-Oct-17	Friday	Symposium -MCA / WORKSHOP ON ENERGY CONSERVATION-EEE
07-Oct-17	Saturday	Synposium - CSE/ Guest lecture on GTA - CSE / Workshop on SPSS/Excel - MBA / Workshop on Blender and Java - IT / School Visit by Rotaract Club / Industrial Visit - CIVIL
08-Oct-17	Sunday	HOLIDAY
09-Oct-17	Monday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem)
10-Oct-17	Tuesday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem)
11-Oct-17	Wednesday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem)
12-Oct-17	Thursday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem)
13-Oct-17	Friday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem) / IETE Sponsored Guest Lecture on Signals and System for II year ECE -ECE
14-Oct-17	Saturday	Internal Assessment Test-III / Internal Assessment Test-III (PG First Sem) / Aptitude Training Programme for IV year Students - IT
15-Oct-17	Sunday	HOLIDAY
16-Oct-17	Monday	Anti-Ragging Committee Meeting
17-Oct-17	Tuesday	Industrial Visit - CSE
18-Oct-17	Wednesday	Deepavali
19-Oct-17	Thursday	
20-Oct-17	Friday	FDP on Embedded Automation and IoT - IT / Village Visit by Rotaract Club
21-Oct-17	Saturday	Sri Acharya Tulsi's birthday
22-Oct-17	Sunday	HOLIDAY
23-Oct-17	Monday	Industrial Visit to All India Radio, Chennai for II year ECE - ECE
24-Oct-17	Tuesday	NSS Regular Activity
25-Oct-17	Wednesday	
26-Oct-17	Thursday	
27-Oct-17	Friday	
28-Oct-17	Saturday	Symposium -MBA / Placement Training Programme for IV year Students - IT
29-Oct-17	Sunday	HOLIDAY
30-Oct-17	Monday	
31-Oct-17	Tuesday	
01-Nov-17	Wednesday	
02-Nov-17	Thursday	IEEE & IETE Sponsored National Conference on "Emerging trends in Electronics & Telecommunication" - ECE

03-Nov-17	Friday	Chaturmas ends
04-Nov-17	Saturday	Soft Skill Programme for IV year Students - IT / Rotaract General Meet
05-Nov-17	Sunday	HOLIDAY
06-Nov-17	Monday	
07-Nov-17	Tuesday	
08-Nov-17	Wednesday	
09-Nov-17	Thursday	
10-Nov-17	Friday	Anti-Ragging Committee Meeting
11-Nov-17	Saturday	Guest Lecture for Human Resource Management - MBA / STTP for Faculty - IT
12-Nov-17	Sunday	HOLIDAY
13-Nov-17	Monday	
14-Nov-17	Tuesday	
15-Nov-17	Wednesday	
16-Nov-17	Thursday	
17-Nov-17	Friday	
18-Nov-17	Saturday	Guest Lecture for Entrepreneurship Development- MBA / Workshop on Robotics and Automation - IT
19-Nov-17	Sunday	HOLIDAY
20-Nov-17	Monday	
21-Nov-17	Tuesday	
22-Nov-17	Wednesday	
23-Nov-17	Thursday	NSS Regular Activity
24-Nov-17	Friday	
25-Nov-17	Saturday	STTP for Faculty - IT
26-Nov-17	Sunday	HOLIDAY
27-Nov-17	Monday	Industrial Visit -BSNL / Doordarshan, for IV year ECE - ECE
28-Nov-17	Tuesday	
29-Nov-17	Wednesday	
30-Nov-17	Thursday	
01-Dec-17	Friday	MiladunNabi
02-Dec-17	Saturday	Guest Lecture for Accounts - MBA / Seminar on Teaching and Learning Methodologies - IT
03-Dec-17	Sunday	HOLIDAY
04-Dec-17	Monday	Industrial Visit - National Atmospheric Research Laboratory (NARL), Tirupati to III year ECE - ECE
05-Dec-17	Tuesday	
06-Dec-17	Wednesday	
07-Dec-17	Thursday	Anti-Ragging Committee Meeting
08-Dec-17	Friday	NSS Regular Activity
09-Dec-17	Saturday	Recreation Programme for Faculty - IT
10-Dec-17	Sunday	HOLIDAY
11-Dec-17	Monday	
12-Dec-17	Tuesday	
13-Dec-17	Wednesday	
14-Dec-17	Thursday	

15-Dec-17	Friday	
16-Dec-17	Saturday	Industrial Visit - MBA / STTP for Faculty - IT
17-Dec-17	Sunday	HOLIDAY
18-Dec-17	Monday	
19-Dec-17	Tuesday	
20-Dec-17	Wednesday	
21-Dec-17	Thursday	
22-Dec-17	Friday	Anti-Ragging Committee Meeting
23-Dec-17	Saturday	Short term Training Programme for Non Teaching Staffs - IT
24-Dec-17	Sunday	HOLIDAY
25-Dec-17	Monday	CHRISTMAS
26-Dec-17	Tuesday	
27-Dec-17	Wednesday	
28-Dec-17	Thursday	
29-Dec-17	Friday	NSS Regular Activity
30-Dec-17	Saturday	Training programme for Technical Staffs - IT
31-Dec-17	Sunday	HOLIDAY
01-Jan-18	Monday	NEW YEAR
02-Jan-18	Tuesday	College reopen
03-Jan-18	Wednesday	
04-Jan-18	Thursday	NSS Regular Activity
05-Jan-18	Friday	
06-Jan-18	Saturday	Guest lecture on Compiler Design - IT
07-Jan-18	Sunday	HOLIDAY
08-Jan-18	Monday	
09-Jan-18	Tuesday	
10-Jan-18	Wednesday	
11-Jan-18	Thursday	
12-Jan-18	Friday	Pongal Vizha – 2018 by Rotaract Club
13-Jan-18	Saturday	BHOGI
14-Jan-18	Sunday	HOLIDAY - PONGAL
15-Jan-18	Monday	UZHAVAR THIRUNAL
16-Jan-18	Tuesday	KAANUM PONGAL
17-Jan-18	Wednesday	Youth Day ( Birthday of Vivekanandha )
18-Jan-18	Thursday	
19-Jan-18	Friday	
20-Jan-18	Saturday	Industrial Visit - MBA / Seminar on Project development methodologies -IT
21-Jan-18	Sunday	HOLIDAY
22-Jan-18	Monday	
23-Jan-18	Tuesday	
24-Jan-18	Wednesday	
25-Jan-18	Thursday	
26-Jan-18	Friday	REPUBLIC DAY / Republic Day Celebration by Rotaract Club
27-Jan-18	Saturday	Mock Online Test - Placement Training Programme for IV year Students - IT
28-Jan-18	Sunday	HOLIDAY - Nethaji's Birthday

29-Jan-18	Monday	Shri. I. NATHAMAL SINGHVI JAIN 3rd Endowment Lecture series
30-Jan-18	Tuesday	/ GUEST LECTURE FOR DSP - EEE
31-Jan-18	Wednesday	IEEE Sponsored Workshop "Virtual Instrumentation Using Lab view" for faculty and students - ECE
01-Feb-18	Thursday	Internal Assessment Test-I
02-Feb-18	Friday	Internal Assessment Test-I
03-Feb-18	Saturday	Internal Assessment Test-I / Seminar - MECH / FDP on Android Application Development - IT
04-Feb-18	Sunday	HOLIDAY
05-Feb-18	Monday	Internal Assessment Test-I
06-Feb-18	Tuesday	Internal Assessment Test-I
07-Feb-18	Wednesday	Internal Assessment Test-I
08-Feb-18	Thursday	IETE Sponsored Guest Lecture on "Wireless Communication & Networks " for IV year students - ECE
09-Feb-18	Friday	
10-Feb-18	Saturday	Seminar on Networks - CSE / Seminar on Probability and Queuing Theory -IT
11-Feb-18	Sunday	HOLIDAY
12-Feb-18	Monday	
13-Feb-18	Tuesday	Maha Shivratri
14-Feb-18	Wednesday	GUEST LECTURE FOR COMMU ENGG - EEE
15-Feb-18	Thursday	
16-Feb-18	Friday	Guest Lecture - MCA / Civil Symposium- FASEW 2k18
17-Feb-18	Saturday	One day Workshop on Latest Trends in IT - CSE / Guest Lecture for Marketing - MBA / Guest Lecture on Research areas in Cloud Computing - IT
18-Feb-18	Sunday	HOLIDAY
19-Feb-18	Monday	
20-Feb-18	Tuesday	
21-Feb-18	Wednesday	
22-Feb-18	Thursday	
23-Feb-18	Friday	
24-Feb-18	Saturday	Workshop on Social Network Analysis - IT
25-Feb-18	Sunday	HOLIDAY
26-Feb-18	Monday	
27-Feb-18	Tuesday	NSS Regular Activity
28-Feb-18	Wednesday	National Science Day Celebration by Rotaract / GUEST LECTURE FOR ROBOTICS - EEE
01-Mar-18	Thursday	
02-Mar-18	Friday	Anti-Ragging Committee Meeting
03-Mar-18	Saturday	One day Workshop - MECH / Workshop on Research Methodology - MBA / Guest Lecture on Recent Trends in IT By Alumni - IT
04-Mar-18	Sunday	HOLIDAY
05-Mar-18	Monday	Internal Assessment Test-II
06-Mar-18	Tuesday	Internal Assessment Test-II

07-Mar-18	Wednesday	Internal Assessment Test-II
08-Mar-18	Thursday	Internal Assessment Test-II / IEEE - Women in Engineering Sponsored program on "Women's Day" - ECE
09-Mar-18	Friday	Internal Assessment Test-II
10-Mar-18	Saturday	Internal Assessment Test-II / CSI - Workshop on Redhat Linux Administration - IT
11-Mar-18	Sunday	HOLIDAY
12-Mar-18	Monday	
13-Mar-18	Tuesday	NSS Regular Activity
14-Mar-18	Wednesday	Anti-Ragging Committee Meeting / GUEST LECTURE FOR EMBEDDED NETWORKING - ECE
15-Mar-18	Thursday	Workshop - MCA
16-Mar-18	Friday	
17-Mar-18	Saturday	Seminor on Aritificial Intelligence - CSE / Seminar on SOAP, WSDL, JSON, REST - IT
18-Mar-18	Sunday	HOLIDAY
19-Mar-18	Monday	Civil Engineering Association (CEA) Annual Meet - CIVIL
20-Mar-18	Tuesday	
21-Mar-18	Wednesday	
22-Mar-18	Thursday	Save Water! Save Life! Programme by Rotaract Club
23-Mar-18	Friday	
24-Mar-18	Saturday	Guest lecture on Human Computer Interaction - CSE / Guest Lecture on Recent Trends in IT By Alumni - IT / Awareness Programme on World TB Day by Rotaract
25-Mar-18	Sunday	HOLIDAY
26-Mar-18	Monday	
27-Mar-18	Tuesday	
28-Mar-18	Wednesday	
29-Mar-18	Thursday	NSS Regular Activity / IEEE Sponsored Seminar on "Advanced VLSI Design " for faculty and students - ECE
30-Mar-18	Friday	
31-Mar-18	Saturday	Seminar - MECH / Industrial Visit - MBA / Seminar on Current Innovations in Engineering and Technology - IT
01-Apr-18	Sunday	HOLIDAY
02-Apr-18	Monday	Internal Assessment Test-III
03-Apr-18	Tuesday	Internal Assessment Test-III
04-Apr-18	Wednesday	Internal Assessment Test-III / IETE Sponsored program on " Project Day " - ECE
05-Apr-18	Thursday	Internal Assessment Test-III
06-Apr-18	Friday	Internal Assessment Test-III
07-Apr-18	Saturday	Internal Assessment Test-III / Students Tech Fest - IT
08-Apr-18	Sunday	HOLIDAY
09-Apr-18	Monday	
10-Apr-18	Tuesday	NSS Regular Activity / SEMINAR ON LED Lighting for Energy Efficiency-EEE



11-Apr-18	Wednesday	
12-Apr-18	Thursday	Anti-Ragging Committee Meeting
13-Apr-18	Friday	
14-Apr-18	Saturday	TAMIL NEW YEAR
15-Apr-18	Sunday	HOLIDAY
16-Apr-18	Monday	
17-Apr-18	Tuesday	
18-Apr-18	Wednesday	
19-Apr-18	Thursday	
20-Apr-18	Friday	
21-Apr-18	Saturday	Guest Lecture for Finance - MBA / Surveillance - ISO Auditing - IT
22-Apr-18	Sunday	HOLIDAY
23-Apr-18	Monday	
24-Apr-18	Tuesday	
25-Apr-18	Wednesday	NSS Regular Activity
26-Apr-18	Thursday	
27-Apr-18	Friday	Anti-Ragging Committee Meeting
28-Apr-18	Saturday	Guest Lecutre for Human Resource Management - MBA / System Administration Tools and Techniques for Technical Staffs - IT
29-Apr-18	Sunday	HOLIDAY
30-Apr-18	Monday	
01-May-18	Tuesday	HOLIDAY - MAY DAY
02-May-18	Wednesday	
03-May-18	Thursday	NSS Regular Activity
04-May-18	Friday	
05-May-18	Saturday	STTP for Faculty - IT
06-May-18	Sunday	HOLIDAY
07-May-18	Monday	
08-May-18	Tuesday	Anti-Ragging Committee Meeting
09-May-18	Wednesday	
10-May-18	Thursday	
11-May-18	Friday	
12-May-18	Saturday	Short term Training Programme for Non Teaching Staffs - IT
13-May-18	Sunday	HOLIDAY
14-May-18	Monday	
15-May-18	Tuesday	
16-May-18	Wednesday	
17-May-18	Thursday	
18-May-18	Friday	
19-May-18	Saturday	
20-May-18	Sunday	HOLIDAY
21-May-18	Monday	
22-May-18	Tuesday	NSS Regular Activity
23-May-18	Wednesday	
24-May-18	Thursday	
25-May-18	Friday	Anti-Ragging Committee Meeting

26-May-18	Saturday	
27-May-18	Sunday	HOLIDAY
28-May-18	Monday	
29-May-18	Tuesday	
30-May-18	Wednesday	
31-May-18	Thursday	
01-Jun-18	Friday	
02-Jun-18	Saturday	
03-Jun-18	Sunday	HOLIDAY
04-Jun-18	Monday	
05-Jun-18	Tuesday	
06-Jun-18	Wednesday	
07-Jun-18	Thursday	
08-Jun-18	Friday	
09-Jun-18	Saturday	
10-Jun-18	Sunday	HOLIDAY
11-Jun-18	Monday	
12-Jun-18	Tuesday	
13-Jun-18	Wednesday	
14-Jun-18	Thursday	
15-Jun-18	Friday	IEEE & IETE Sponsored FDP on “MATLAB programming to Contemporary Real World Engineering Problems” for faculty and students - ECE
16-Jun-18	Saturday	
17-Jun-18	Sunday	HOLIDAY
18-Jun-18	Monday	
19-Jun-18	Tuesday	
20-Jun-18	Wednesday	
21-Jun-18	Thursday	
22-Jun-18	Friday	
23-Jun-18	Saturday	
24-Jun-18	Sunday	HOLIDAY
25-Jun-18	Monday	
26-Jun-18	Tuesday	
27-Jun-18	Wednesday	
28-Jun-18	Thursday	
29-Jun-16	Friday	
30-Jun-16	Saturday	

## ANNEXURE - II

### ANALYSIS OF EXIT STUDENTS FEEDBACK QUESTIONNAIRE Consolidated data of 55 samples of Electronics & Communication Engineering branch (2017-18 batch)

[Note: The value entered inside the boxes indicates the percentage of students who have opted the corresponding choice]

#### STUDENT EXIT SURVEY FORM

FUTURE PLANS	Count and Percentage of students opted
I intend to work in the government sector.	(14)25%
I intend to work in the private sector	(28)50%
I intend to do other things	(13)25%

#### 1. PEOs and its Achievement Assessment

As a Graduate of the discipline of Engineering, the count of PEO(s) that have been achieved

	4 (Fully Achieved)	3 (75% Achieved)	2 (50% Achieved)	1 (25% Achieved)
PEO I	62%	33%	04%	01%
PEO II	25%	68%	05%	02%
PEO III	15%	27%	54%	04%
PEO IV	07%	30%	62%	01%

## 2. Assessment of Outcomes - Abilities, Skills and Attributes Acquired

<i>Skills, abilities, and attributes</i>	<i>Level</i>			
	<i>Very well prepared (4)</i>	<i>Well prepared (3)</i>	<i>Prepared (2)</i>	<i>Somewhat prepared (1)</i>
Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	22%	61%	16%	1%
Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	25%	57%	13%	5%
Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	18%	61%	17%	4%
Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	15%	12%	71%	2%
Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.	15%	70%	14%	1%
The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	71%	20%	7%	2%
Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	82%	14%	1%	3%
Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	85%	13%	1%	1%
Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	62%	32%	3%	3%
Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	24%	52%	20%	4%
Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	37%	38%	20%	5%
Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest.	62%	18%	15%	5%

### 3. Assessment of the Learning Environment

#### Level of satisfaction

	<i>Extremely satisfied</i>	<i>Very satisfied</i>	<i>Satisfied</i>	<i>Somewhat satisfied</i>	<i>Not satisfied</i>	<i>Can't evaluate</i>
<b>A. Quality of instruction and support for learning provided by the faculty members in:</b>						
- Sciences (Mathematics, Physics, Chemistry)	5%	20%	73%	02%	0	0
- Computers (Programming and usage of software packages)	10%	79%	5%	04%	02	0
- Humanities and Social sciences	10%	05%	77%	05%	03%	0
- General Engineering,	07%	16%	68%	02%	07%	0
- Engineering within major	15%	31%	52%	02%	0	0
<b>B. Quality of instruction &amp; support for learning given by technical &amp; supporting staff within major.</b>	80%	12%	05%	03%	0	0
<b>C. Quality of advise by the faculty with respect to:</b>						
- Academic planning	25%	68%	03%	02%	02%	0
- Career planning	19%	23%	30%	20%	04%	04%
<b>D. Equality of treatment by:</b>						
- Principal ,HOD, Faculty and other	80%	11%	05%	04%	0	0
- Technical and supporting staff	15%	70%	07%	08%	0	0
- Fellow students	10%	80%	02%	08%	0	0
<b>E. Quality of the facilities:</b>						
- Classrooms	77%	10%	03%	10%	0	0
- Science laboratories	12%	84%	03%	01%	0	0
- Engineering Laboratories	10%	85%	04%	01%	0	0
- Computing facilities	85%	02%	11%	01%	02%	0
- Libraries	74%	25%	01%	0%	0	0

	<i>Quality of services</i>						<i>Amount of interaction</i>		
	<i>Very good</i>	<i>Good</i>	<i>Adequate</i>	<i>Poor</i>	<i>Very poor</i>	<i>No opinion</i>	<i>Much</i>	<i>Some</i>	<i>Little or none</i>
<b>A. Academic Services:</b>									
Admissions/Registrar	10%	85%	2%	3%	0	0	14%	80%	6%
Training office	76%	10%	8%	6%	0	0	10%	85%	5%
Libraries	14%	85%	1%	0%	0	0	46%	46%	08%
Bookstores	12%	84%	2%	2%	0	0	8%	84%	8%
<b>B. Administrative Offices:</b>									
Students' affairs office in your department	85%	10%	1%	4%	0	0	71%	25%	4%
Administrative offices in the college	15%	80%	3%	2%	1%	0	68%	30%	2%
<b>C. Other Services:</b>									
Health services	90%	07%	2%	1%	0	0	71%	23%	6%
Food services	90%	4%	4%	2%	0	0	70%	9%	21%
Parking	82%	10%	7%	1%	0	0	80%	17%	3%
Recreation and athletics	29%	70%	1 %	0%	0	0	78%	12%	10%

#### 4. Assessment of Support Services

##### ANALYSIS OF ALUMNI STUDENTS FEEDBACK QUESTIONNAIRE Consolidated data of 100 Samples

##### Alumni/Career Information

Gender/Ethnicity : Male  Female

Higher studies details : M.E/M.Tech  M.S  PhD

##### No. of students working in the following sector:

Networking	6	Production	12	Corporate	20	Design	2
Education	10	IT	10	Project	10	Banking	1
Developer	11	Govt. Sector	4	Entrepreneur	4	Others	10

Experience <2 yrs  2-4 yrs  5-6 yrs  >7 yrs

##### No. of students qualified in any certification or taken up any examinations with certified bodies:

Yes  No

**ANNXURE - III**

**ALUMNI SURVEY FORM**

**SECTION I**

The four program educational objectives for graduates are expressively designed to allow evaluation and to relate to expected learning outcomes. A key method of evaluating an objective or outcome is input from you, our alumni. Please indicate your feedback of how well you think we did in meeting each of the four objectives, using the following scale:

- 4 = Met the objective very well
- 3 = Met the objective well
- 2 = Met the objective marginally
- 1 = Did not meet the objective well

The objectives are as follows:

PEOS	Level			
	4	3	2	1
<b><u>PEO1. Core Competence:</u></b>  To provide students with <b>Core Competence</b> in mathematics, science and basic engineering fundamentals necessary to solve complex engineering problems to excel in professional careers and/or also to pursue advanced study or research.	50%	34%	09%	07%
<b><u>PEO2. Breadth:</u></b>  To train students with good <b>breadth</b> of knowledge in core areas of relevant and related engineering so as to comprehend engineering trade-offs, analyze, design, and synthesize data and technical concepts to create novel products and solutions for the real life problems.	21%	16%	60%	3%
<b><u>PEO3. Professionalism:</u></b>  To inculcate students to maintain high <b>professionalism</b> and ethical attitudes, effective communication skills, to work as part of teams on multidisciplinary projects and diverse professional environments, and relate engineering issues to the society, global economy and to emerging technologies.	13%	21%	56%	10%
<b><u>PEO4. Learning environment:</u></b>  To provide our students with <b>learning environment</b> awareness of the life-long learning needed for a successful professional career and to introduce them to written ethical codes and guidelines, perform excellence, leadership and demonstrate good citizenship	04%	31%	62%	03%



## SECTION-II

### PROGRAMME OUTCOME :

<i>PO's</i>	Level			
	4	3	2	1
Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	15%	65%	19%	1%
Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	22%	17%	60%	1%
Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	12%	72%	15%	1%
Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	10%	17%	72%	1%
Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.	10%	78%	10%	2%
The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	80%	17%	2%	1%
Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	70%	26%	3%	1%
Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	25%	62%	13%	0%
Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	36%	44%	18%	2%
Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	21%	16%	59%	4%
Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	36%	42%	20%	2%
Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest	72%	14%	14%	0%

**No of students who recommend the UG programme at GTEC to a relative/friend:**

Yes  May be  No

**Analysis of the strength of UG programme at GTEC:**

- 22% of the students are satisfied with the increased placements.
- 46 % of the students have stated that infrastructure, high technical standards provided and teaching methodologies are very good in the college.
- 20% of the students have stated the Mentorship and cleanliness are best provided.
- 12% of the students have mentioned that co-curricular activities are best provided.

**Analysis of the weakness of UG programme at GTEC:**

- 45 % of the students have stated that placement opportunities may be duly improved.
- 28% of the students expect additional co-curricular activities.
- 27 % of the students need more extra-curricular activities

## ANNEXURE –IV

### Best Practices- I

#### First hour test:

#### Objective:

- To regularize and monitor students' academic performance.
- To improvise their results in internal and external examinations.
- To increase the pass percentage.
- To improvise the overall college results in Anna university examinations.

#### Context:

Tests and assessments play a vital role in the education system. The results of these tests are used to evaluate the achievement of the students' learning skill. These tests results are also useful in helping faculty and parents to learn the strength and weakness of the child in different subject areas. The test efforts are documented to improve the students' progress. Regular conducts of such tests help the students to upgrade their scores in the main exams and help them to excel in academics.

#### The process:

- On a daily basis a very short test comprising of one question is given to students.
- The first hour test is corrected on the same day.
- Failures of the test are given retest on the same day during 8<sup>th</sup> hour.
- Slow learners are given more concentration by giving home test or assignments.

#### Evidence of success:

- Students are able to cope with the studies better.
- Improvement in his students in internal exams like CIAT and Model exam.
- Grade improvisation in their academic record.

## **Best Practice II:**

### **E-Saraswathi:(Knowledge based)**

#### **Objective:**

- ✓ To provide enhanced quality of education through technology.
- ✓ To initiate self interest and motivate students to learn more and better
- ✓ To encourage self-access and independent learning
- ✓ To prepare students for the university Examination by providing complete notes and previous year solved question papers.

#### **Context:**

The unique practice of the institution by uploading the complete notes and solved question papers on the website has moved the academics a step ahead. Students find this as an easy and effective method to collect notes and equip their knowledge anytime and anywhere. As this facility is available round the clock access of knowledge becomes easier and independent

#### **Evidence of Success:**

- ✓ Students feel comfortable by this learning practice.
- ✓ Self interest created among students.
- ✓ Increase in the rate of pass percentage.
- ✓ This initiative is embraced whole heartedly by the students' community
- ✓ Minimal use of paper.

#### **Problems encountered:**

As many students are from rural background, it is difficult for these student to access this facility while they are outside campus.

#### **Resources Required:**

Adequate storage for storing of all study materials.