



**CHENDHURAN**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Lenavilakku, Pudukkottai - 622 507  
(Approved by AICTE, Affiliated to Anna University)



**SELF STUDY REPORT**

March 2017

Submitted To  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
**(NAAC)**  
**BANGALORE**

**CHENDHURAN**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Pudukkottai**

**NAAC Committee Members**

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Steering Committee Coordinator	:Dr.M.Ravichandran, Director (Research)
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Teaching, Learning and Evaluation - II	: Dr.V.S.Vidhya, Director (Academics)
Research, Consultancy and Extension - III	: Prof.N.Rajakumar, HOD/Mechanical
Infrastructure and Learning Resources - IV	: Prof.R.Greesan, HOD/Civil
Student Support and Progression - V	: Prof. U. Thiruppathi, HOD/EEE
Governance, Leadership and Management - VI	: Prof. B. Vinoth, HOD/CSE
Innovations and Best Practices - VII	: Prof. L. Malathy, HOD/ECE

# CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY

## Self Study Report

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## PREFACE

Chendhuran College of Engineering and Technology is affiliated to Anna University, Chennai and in the short period since it was started, has grown into an institution that provides excellent technical education, while keeping the overall growth and development of the students in mind. Both academic and non-academic activities are given equal importance. Accomplished staff, quality driven, innovation and superior accountability are the reasons for the student's achievements both in academic and co-curricular activities. The College is committed to equip future graduates with the knowledge and skills necessary to work and excel in the ever more competitive global environment. The Institution offers courses in 5 Under Graduate, 5 Post Graduate and 2 Research Programmes.

### UG Programmes

- B.E- Civil Engineering
- B.E- Computer Science and Engineering
- B.E- Electrical and Electronics Engineering
- B.E-Electronics and Communication Engineering
- B.E- Mechanical Engineering

### PG Programmes

- M.E- Manufacturing Engineering
- M.E- Structural Engineering
- M.E- Computer Science and Engineering
- M.E- Communication Systems
- M.E- Power Electronics and Drives

### Research Programmes

- Ph.D – Mechanical Engineering
- Ph.D - Chemistry

It has excellent infrastructural facilities including contemporary laboratories, library, Internet and other general amenities. The extensive campus provides a holistic education in an ambience that makes no compromise on discipline, dedication and commitment. The result of which, students of the college turn out to be academically brilliant, morally upright and empowered individuals. The Quality Policy of Chendhuran College of Engineering and Technology is to provide high quality technical education to students of under graduate and post graduate in Engineering and Technology through systematic and professional approach for educational and identical development through effective implementation of quality management system. The College is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements.



Dr. A. Naveen Sait, M.E., Ph.D  
Principal

Date : 08.04.2017

Lr. No.CCET/NAAC/2016-17/02

To

The Director,  
National Assessment and Accreditation Council,  
P. O. Box No. 1075,  
Nagarbhavi,  
Bangalore- 560 072.

Sir

Sub: Chendhuran College of Engineering and Technology-NAAC Accreditation Cycle I  
Track Id: TNCOGN27093 -Submission of SSR- Reg.

\*\*\*\*\*

With reference to the subject cited above, the college submitted the Letter of Intent (LoI) on 18.03.2017 and it was accepted on 06.04.2017. In this context, we herewith submit the Self Study Report (SSR) of 5 hard copies and a soft copy in CD for your perusal and further action.

Kindly do the needful.

Thanking you



Signature of the Head of the institution with seal



**PRINCIPAL**  
**CHENDHURAN COLLEGE OF**  
**ENGINEERING AND TECHNOLOGY**  
**PUDUKKOTTAI - 622 507.**

## EXECUTIVE SUMMARY

Chendhuran College of Engineering and Technology is one of the well established Institutions offering quality education in Engineering and Technology in Tamil Nadu. The college prepared the SSR for Cycle-I of accreditation by NAAC with the all aspects of the college. Criteria-wise documentation has been prepared for NAAC accreditation. The seven criteria as per the NAAC format are presented. This SSR focuses the aspects which have direct impact on teaching-learning, research, community development and the holistic development of the students of the Institution.

The whole campus is connected with 32 Mbps Internet (Wi-Fi) facility. The computing center is used extensively for academic and administrative purposes. The well established Auditorium provides the exact ambiance for the effective conduct of academic programmes. The college has provided staff rooms, RO plant for drinking water facility, canteen and ATM facility. The college has also provided hostel facility for boys and girls separately in addition to transportation facility for both students and staff. Laboratories with cutting edge facilities which provide optimum exposure to students are one among the special features. Central library houses substantial number of volumes of books and journals fulfill the needs of the students and staff members. Online journals and back volumes are available in both hard and soft copy. DELNET facility is availed enabling National Level Digital sharing experience.

Team of dedicated, experienced and well qualified faculty members supported by other staff members formulate the attainment of educational objectives possible. Track record on faculty qualified with Ph.D, pursuing Ph.D and all faculty members with Masters Degree assures quality education to the learners. Exclusive Training and Placement department enhances the employability skills of students through systematic training sessions on soft skills, aptitude skills and technical skills. The R&D section of the Institution has created its own impact on the Research & Development activities instilling research ambience and culture among faculty and students. The Departments of Mechanical Engineering and Chemistry are recognized Research centers of Anna University, Chennai.

## SWOC ANALYSIS

### Strength

- Infrastructure and Lab facilities
- Effective and Efficient leadership
- The vision, mission and objectives are framed clearly.
- Well qualified, experienced, committed and research-oriented faculties.
- All faculty members are PG qualified.
- Two departments are approved as research centers of Anna University, Chennai to pursue Ph.D/M.S programmes.
- Internet connectivity with 32 Mbps speed.
- Offering value added programmes & certificate courses in all departments.
- Providing scholarship to the students who outshine in sports and games.
- Excellent placement records.
- Excellent sports infrastructural facilities.
- HT supply backup capacity generators
- 24 hours ATM facility.
- Ragging free Campus.
- Regular soft skill and aptitude training by training and placement department for the students in regular timetable.

### Weakness

- Majority of students are from rural areas with as Tamil medium of instruction at school level.
- Industry-Institute Interaction.
- Industrial consultancy related activities.
- Lack of academic autonomous status.
- Research funding.
- Students opting for higher studies and start-ups.

### Opportunities

- Publications from faculty members
- Encouraging students to become entrepreneurs

### Challenges

- Training the mixed (Rural and Urban) group of students.
- Receiving research project funding.
- Improve the communication skill of the students to the industry requirement.

# PROFILE OF THE INSTITUTION

## 1. Name and Address of the College:

Name :	Chendhuran College of Engineering and Technology		
Address :	Lena Vilakku, Pilivalam Post, Pudukkottai, Tamil Nadu, India		
City :	Pudukkottai	Pin :622 507	State : Tamil Nadu
Website :	www.chendhuran.ac.in		

## 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr.A.Naveen Sait	O:04333-294499 R:--	9698622000	04322-226096	naveensait@yahoo.co.in
Vice Principal	--	O: -- R: --	--	--	--
Steering Committee Coordinator	Dr.M.Ravichandran	O: 04333-294498 R:--	8248165224	04322-226096	smravichandran@hotmail.com

## 3. Status of the Institution:

Affiliated College	✓
Constituent College	
Any other (specify)	

## 4. Type of Institution:

### a. By Gender

i.	For Men	
ii.	For Women	
iii.	Co-education	✓

### b. By Shift

i.	Regular	✓
ii.	Day	
iii.	Evening	

## 5. It is a recognized minority institution?

Yes		No	✓
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## 6. Sources of funding:

Government	
Grant-in-aid	
Self-financing	✓
Any other	

## 7. a. Date of establishment of the college: 28/06/2008

## b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

Anna University, Chennai

## c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	NA	--
ii. 12 (B)	NA	--

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

## d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE	F.No.Southern/1- 2811408879/2016/EOA	05-04-2016	2016-17 One Year	--
Anna University, Chennai	Lr. No. 02/AFFLN/CAI/TCY/AU/2 016-17/9103	14-05-2016	2016-17 One Year	--

(Enclose the recognition/approval letter) : Enclosed as annexure.

## 8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes	✓	No	
-----	---	----	--

If yes, has the College applied for availing the autonomous status?

Yes		No	✓*
-----	--	----	----

\* Not old enough to apply for autonomous

**9. Is the college recognized?**

a. by UGC as a College with Potential for Excellence (CPE)?

Yes		No	✓
-----	--	----	---

b. for its performance by any other governmental agency?

Yes		No	✓
-----	--	----	---

**10. Location of the campus and area in sq.mts:**

Location *	Rural
Campus area in sq. mts.	54511.156
Built up area in sq. mts.	23781.75

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

**11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex with infrastructural facilities

Description	Area in Sq. m	Seating Capacity
Indoor Auditorium (Mech Block)	433.2	550
Conference Hall 1 (Main Block)	158	250
Conference Hall 2 (Main Block)	158	250

- Sports facilities

\* play ground

Play Ground	No. of Grounds	Size of the Ground
Athletics (Track & Field)	1	84.39*36.50 Mts
Chess Board	10	8*8 (64) Box
Carrom Board	5	73.50 Cm*74 Cm
Table Tennis	2	2.74 Mts*1.525 Mts

Kho - Kho	2	30 Mts *17 Mts
Volley Ball	2	18 Mts *9 Mts
Foot Ball	1	100 Mts *64 Mts
Hand Ball	1	40 Mts *20 Mts
Ball Badminton	2	24 Mts *12 Mts
Badminton ( Outdoor)	2	13.40 Mts *6.10 Mts
Hockey	1	91.40 Mts *55 Mts
Kabaddi	2	13 Mts *10 Mts

Gymnasium

- Parallel Bar
- Horizontal Bar
- Weight Lifting

• Hostel

\* Boys' hostel

Number of hostels	Number of inmates	Facilities (mention available facilities)
1	94	News papers Magazines Reading Room, Wi-fi facility, TV Hall, Communication facility(Telephone), Indoor games, Hygienic and spacious dining hall, Table Tennis, Computer facility with internet connection.

\* Girls' hostel

Number of hostels	Number of inmates	Facilities (mention available facilities)
1	53 + 2	News papers Magazines Reading Room, Wi-fi facility, TV Hall, Communication facility(Telephone), Indoor games , Hygienic and spacious dining hall, Table Tennis, Computer facility with internet connection.

\* **Working women's hostel:** Nil

- **Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)**

Nil

- **Cafeteria**

Clean Vegetarian and Non Vegetarian foods are available in the college canteen. Enormous numbers of seating capacity with all basic facilities are provided in the canteen.

- **Health centre**

24 hours first aid facility is available. Health centre with a doctor working on Part time to taking care of the health issues.

Qualified doctor	Full time		Part-time	✓
Qualified Nurse	Full time		Part-time	✓

- **Facilities like banking, post office, book shops**

City Union Bank ATM facility was established in the institute for money transactions of students and staff. Stationery store provides the necessary stationery items to the students and staff members.

- **Transport facilities to cater to the needs of students and staff**

Institution operates buses in and around Pudukkottai and various places for students and staff members to reach and leave the premises without any difficulties.

- **Animal house**

Nil

- **Biological waste disposal**

Nil

- **Generator or other facility for management/regulation of electricity and voltage**

Description	Capacity	Available Number
Kirloskar Green (KG125WS2/KG100WS2)	125 KVA	01
Kirloskar Green (KG82.5WS2/KG62.5WS2)	63 KVA	01
Kirloskar (4R1040T)	63 KVA	01
Solar Panel	15 KVA	02

- **Solid waste management facility**

Solid waste management is properly planned to ensure cleanliness in the institute



- **Waste water management**

Institute maintains a skillfully structured waste water management system which treats the sewage water well, used for cultivation purpose.

- **Water harvesting**

Our institution is maintaining more paver block paths than laying cement or stone platforms for the staff and students to walk around the college to save water for other utilizations. The rain water harvesting facility is adopted in each building as per norms.

## 12. Details of programmes offered by the college (Give data for current academic year)

The medium of instructions for all the programmes is English.

Level	Name of the Programme/ Course	Entry Qualifi cation	Sanctioned/ approved Student strength	No. of students admitted
<b>UG-BE (4 Years)</b>	Mechanical Engg.	+2/Dipl oma	120	82
	Civil Engg.		60	36
	Electrical and Electronics Engg.		60	28
	Electronics and Communication Engg.		60	32
	Computer Science Engg.		60	51
<b>PG-ME (2 years)</b>	Manufacturing Engineering	B.E/ B.Tech	18+2 (FT+PT)	3+0
	Structural Engg.		24+2 (FT+PT)	17+1
	Power Electronics and Drives		24+2 (FT+PT)	2+0
	Communication Systems		18+2 (FT+PT)	7+0
	Computer Science and Engg.		18+2 (FT+PT)	1+0
<b>Ph.D</b>	Mechanical Engg.	M.E/ M.Tech / M.Sc/ M.Phil.	--	0+3
	Chemistry		--	0

## 13. Does the college offer self-financed Programmes?

Yes	✓	No	
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If yes, how many?

UG	05	PG	05
----	----	----	----

**14. New programmes introduced in the college during the last five years if any?**

Yes	✓	No	
-----	---	----	--

If yes, in numbers

UG	PG	Ph.D
--	04	02

**15. List the departments:** (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	NA	--	--	--
Arts	NA	--	--	--
Commerce	NA	--	--	--
(Any other Specify) Engineering	Civil Engineering	✓	✓	--
	Mechanical Engineering	✓	✓	✓
	Electronics and Communication Engineering	✓	✓	--
	Electrical and Electronics Engineering	✓	✓	--
	Computer science and Engineering	✓	✓	--
	Chemistry	--	--	✓

**16. Number of Programmes offered under** (Programme means a degree course like BA, BSc, MA, M.Com...)

a.	Annual system	-
b.	Semester system	02
c.	Trimester system	-

**17. Number of Programmes with**

a.	Choice Based Credit System	-
b.	Inter/Multidisciplinary Approach	-
c.	Any other (Semester Based System)	02

## 18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes		No	✓
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## 19. Does the college offer UG or PG programme in Physical Education?

Yes		No	✓
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## 20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	3	0	4	1	62	43	27	10	8	3
<i>Yet to recruit</i>	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

\*M-Male \*F-Female

## 21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	3	0	1	1	0	0	5
M.Phil.	0	0	0	0	12	10	22
PG	0	0	3	0	50	33	86
Temporary teachers							Nil
Part-time teachers							Nil

## 22. Number of Visiting Faculty /Guest Faculty engaged with the College:

Nil

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	165	101	162	88	179	60	144	42
ST	-	-	-	-	-	-	-	-
OBC	504	123	540	166	692	213	822	256
General	8	6	11	10	24	8	31	13
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	856	51	-	09	916
Students from other states of India	-	-	-	-	-
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	856	51	-	09	916

25. Dropout rate in UG and PG (average of the last two batches)

Year	UG	PG
2016-17	06	03
2015-16	14	05

26. Unit Cost of Education

*(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)*

**(a) Including the salary component**

2013-14	Rs. 46239
2014-15	Rs. 56051
2015-16	Rs. 52264

**(b) Excluding the salary component**

2013-14	Rs. 15032
2014-15	Rs. 20165
2015-16	Rs. 17329

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes		No	✓
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28. Provide Teacher-student ratio for each of the programme/course offered

Name of the Programme	Total Number of Teachers	Total Number of Students	Teacher-student ratio
UG	96	856	1:9
PG	17	51	1:3

29. Is the college applying for

Accreditation	Cycle 1	✓	Cycle 2		Cycle 3		Cycle 4	
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Re-Assessment	--
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30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Not Applicable

31. Number of working days during the last academic year: 170

32. Number of teaching days during the last academic year: 144

33. Date of establishment of Internal Quality Assurance Cell: 21.01.2016

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC

Not Applicable

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

Nil

## CRITERION-I: CURRICULAR ASPECTS

### 1.1 Curriculum Planning and Implementation

#### 1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

##### **Mission**

To carry out a practice to move ahead in knowledge in a meticulous academic and research environment and attract people in a gratifying and inspiring atmosphere by nurturing liberty, empowerment, ingenuity and novelty and to raise students and research scholars to serve humanity by attaining high levels of academic excellence, professional competence, exemplary values and spiritual empowerment.

##### **Vision**

To emerge as a top-notch institution in creating and disseminating knowledge, and providing students a unique learning experience in engineering and other areas of scholarship that will best serve the world and betterment of mankind. The institution will strive to serve the rural students and fortify the downtrodden.

##### **Objectives of the Institution**

- Enhance proficiency of teaching through ICT methods and Learning materials
- To provide quality education to the rural students.
- Establishing research centre for all the departments.
- To achieve 100% success in academic performance.
- To practice graduates to meet the global challenges.
- To provide 100% job placement to the students.
- Guiding the students to be responsible with human value to the society.
- Encourage Industry- Institute relationship.
- Encourage staff and students to involve in research activities.
- Encourage staff to do Ph.D under part time mode.
- To improve the students leadership qualities and entrepreneurship skills.

##### **Communication**

The Vision, Mission and the Objectives of the institution are circulated to the students, staff members and other stakeholders in the following ways:

- The Vision and Mission are displayed in the main walkways of all the departments.

- It is also communicated through prospectus, proceedings of internal symposium, conferences, workshops, seminars, etc.
- It is also displayed in the college website and extended through advertisements of the institution.
- It is also displayed in Principal's desk / HOD's cabin/ Director's cabin / Library/ T& P cell.

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

The institution develops action plans for effective implementation of the curriculum. The academic council members of the institute conduct meetings in every semester with head of the departments and members for effective implementation of the curriculum.

The detailed process is as given below:

- Curriculum and syllabus are prescribed by the University.
- Allocation of the subjects to the faculty is done based on qualification of the faculty, area of specialization, experience and their willingness.
- The institution instructs all the staff members to prepare a semester lesson (Teaching) plan for each semester and advise them to follow accordingly.
- The academic schedule is strictly followed as per the academic calendar.
- Lesson plans are prepared well before the commencement of the semesters by the members of faculty which includes
  - Course objectives
  - Session plan
  - Content in the Syllabus
  - Text books and reference books
  - Topics of innovative teaching and the methods used
- Course files are prepared by the faculty which includes
  - Syllabus with text and reference books
  - Lesson Plan
  - Time Table
  - Nominal roll of students
  - University Question Papers
  - Question Bank
  - Unit Tests / Model Exam Mark Statements
  - Unit Tests Question papers with answer keys
  - Sample answer scripts





### 1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Anna University provides the course syllabus, text books and reference books details, question paper pattern, list of experiments for the practical classes etc.

#### Support from University

- Anna University regularly organizes Orientation Programmes, Faculty Development Programmes, Seminars, and Workshops to update the knowledge of faculties.
- Academic schedule and examination schedule are published by the University.

#### Support from College

- Institutes support faculty members for participating in various FDP/STTP/Seminars/Workshop/Conference.
- Faculties are encouraged to attend National and International symposia & conferences and present their research findings.
- Institute provides all necessary resources to organize various academic events like FDP/STTP/Seminars/Workshop/Conference.
- The institution encourages the faculty to pursue higher studies.
- Internet facility available throughout the campus helps in updating knowledge with latest technologies.
- College provides transport facility for faculty members and students.
- Well equipped laboratories.
- The Institute Library provides Text, Reference books and Journals to faculty members.

### 1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.

- Academic calendar including test schedule is given to all the students at the beginning of the semester.
- Question banks, printed observations, pre-lab and post -lab materials and model question papers are issued to the students at the beginning of the semester.
- Student's academic performances are assessed deliberately.
- The college faculty members are using the LCD / OHP projectors / DIGI Class to increase their class room lectures by preparing PPT and video lectures.

- In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge and expertise with the students.

**Table 1.1.4 Details of special lectures organized**

Name of the Expert	Topic	Department	Date
Dr.S.Gowri, Professor, Anna University, Chennai	Nano Technology	Mechanical	09.04.15 & 10.04.15
Dr.R.Jayavel Director, Centre for Research, Anna University, Chennai.	Awareness on Plagiarism	Mechanical	27.04.16
Dr.V.Balasubiramanian Professor , Annamalai University, Chidambaram.	How to write a Journal Paper for an International Standard	Mechanical	27.04.16
Prof.R.Panchanadhan, Director, Talent Consultancy, Trichy.	Faculty Development Program on Kaizen 2016	Mechanical	10.09.16 & 11.09.16
Dr.P.Kanimohzi, Anna University-BIT Campus, Trichy.	Utilization of Electrical Energy	EEE	11.03.16
Mr. V. Ponraj Scientific Advisor to former President APJ Abdul Kalam, Chennai.	Technological Developments in Engineering	EEE	09.04.15 & 10.04.15
Dr.B.Vidivelli, Professor, Annamalai University, Chidambaram.	Concrete Technology	Civil	17.03.2014
Dr.P.V.Ramana, Professor, National Institute of Technology, Jaipur.	Pre stressed Concrete	Civil	09.04.2015
Dr.R.Thenmozhi, Professor, Anna University, Coimbatore.	Concrete Structures	Civil	10.04.15
Prof. N.P. Gopalan, Professor, National Institute of Technology, Trichy.	Theory of Computation	CSE	13.08.16

Mr.Rengaraj@Muralidharan, Assistant Professor, Saranathan Engineering College, Trichy.	Big Data Hadoop	CSE	18.06.14
Mr. T.Sathish, Assistant Professor, KLN College of Engineering, Madurai.	Data Warehousing and Data Mining	CSE	25.07.13
Dr.P.Dananjayan, Professor & Dean, Pondicherry Engineering College, Pondicherry.	Electromagnetic Field Theory	ECE	25.02.15
Dr.S.Ragavan, Professor, National Institute of Technology, Trichy.	Microstrip Antenna	ECE	10.10.16

#### 1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

- Placement Cell interacts with the representatives of industry. The HR managers and industry professionals are invited to the campus to interact with the students on career challenges and opportunities.
- MoUs are signed between the departments and industries for effective transfer of technical knowledge to the students.
- Institute invites experts from industry for Seminar, Workshops, Conferences and Symposium.
- Students are doing their project work at industries.
- The students are asked to undergo in-plant training during the semester vacations.
- Industrial visits are arranged for students and faculty members to get latest trends in industrial side.
- Faculties are advised to apply for funded projects from various bodies such as AICTE, DRDO, DST, etc. This enables the interaction between research bodies and the faculty members.

Table 1.1.5 Details of special programmes organized

Name of the Expert	Topic	Department Organized	Date
Mr. V. Ponraj, Scientific Advisor to former President APJ Abdul Kalam, Chennai.	Technological Developments in Engineering	Mechanical	09.04.15 & 10.04.15
Er.K.Mahalingam, Joint Director of Industries/General Manager, District Industries Center, Pudukkottai.	Growth of industries and Self employment	Mechanical	16.03.16
Mr. J.Viswanatha, (Senior core Engg) & Mr. Anandaraman (Asso. Director) Prolific systems Pvt.Ltd., Chennai.	Introduction about hydraulics, Pneumatics and Advanced mechanical systems	Mechanical	09.07.16
Mr. Ravi, MD/Rasaai Flow Lines Pvt Ltd., Pudukkottai. Mr.M.Karuppusamy, Director/ Axis CADD, Pudukkottai.	Short term course on Design and Fabrication of Valves	Mechanical	23.07.16
Mr. Jeya Renald Reegan, Quality Manager, NDT Tech & Service, Chennai. Mr. Praveen MD/Global CADD, Madurai.	Introduction about NDT Scope and its carrier	Mechanical	13.08.16
Mr. Baskaran, AE, TNEB, Pudukkottai.	Electrical Energy Utilization	EEE	24.02.15
Mr.K. Sahayaraj, Assistant Engineer, TNEB, Pudukkottai.	Electrical Transmission & Distribution	EEE	12.03.14
Er.Shanmughasundarabhoopathy, Addl.Div.Engineer, Highways, Pudukkottai	Highway Engineering	Civil	26.02.15
Er.N.Kanagarajan, Managing Director, Devi Constructions, Pudukkottai.	Contract and Valuation	Civil	22.09.15
Er.M.Basheer Mohamed, Managing Director, Shabee Constructions, Pudukkottai.	Latest Building Technology	Civil	15.03.16

Mr. R.Karthikeyan, HCL Technologies, Chennai.	Fundamentals of SDLC	CSE	22.07.16 & 23.07.16
Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.	Broadcast technology	CSE	12.03.16
Mr. G.Parthasarathy, Approtech Solutions, Thillai Nagar, Trichy.	Android Technology	CSE	05.03.15 & 06.03.15
Mr. A.Karthick, Team Leader, HR & Development, Polaris – Chennai.	Leadership During Times of Complexity and Change	CSE	23.02.15
Mr. R.Bhaskaran, HR Business Development, Consultancy, Intencity, Tamilnadu.	Ensuring Safe Work Environments	CSE	14.03.14
Mr. Vikas Kumar, Network Bulls, Haryana.	National Network Security Championship	CSE	11.10.13 & 12.10.13
Mr. P.Manoharan, Deputy General Manager, BHEL, Trichy.	SWOT Analysis	CCET	14.03.13
Mr.R.Ananth & Mr.R.Grish, Vingyan Innovation Pvt Ltd, Chennai	PCB layout Design	ECE	10.09.16 & 11.09.16 17.09.16 & 18.09.16 24.09.16 & 25.09.16

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

- Head of the Institution forwards suggestions received from different stakeholders to the University.
- Regular representation by faculty members about University examinations is forwarded by Principal.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.**

No. The institution is affiliated to Anna University, Chennai and the entire curriculum are designed and developed by the Anna University, Chennai.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

- Class Committee meetings are conducted twice in a semester to monitor the progress of the course.
- The reports of the class committee meetings are reviewed by the head of the department and Principal to rectify the grievances raised by the students.
- Slow learners are identified from the performance of unit test and helped them with extra coaching to perform well in university examinations.
- Feedbacks are received from the stakeholders at middle and end of the semester for the courses with respect to the content delivery and course outcomes.
- This evaluation tool is used to improve the teaching-learning process and enhancing the skills of the faculties.
- Seminars, workshops and guest lectures are arranged for the students to update the recent trends and technology and this process will motivate the educational excellence.

**1.2 Academic Flexibility**

**1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.**

The Institution provides certification courses for the purpose of value addition.

**Objectives**

- To improve students skill
- To enhance the linkage between learning environment and career providers.

## Department of Mechanical Engineering

Table 1.2.1 Details of the certificate/diploma/ skill development courses

Course Details	Resource Person	No. of Participants	Date	Academic Year
Introduction to CAD	Mr.M.Karupasamy, Director/ Axis CADD, Pudukkottai.	150	13.07.16	2016-17
Introduction about Hydraulics, Pneumatics and Advanced Mechanical Systems	Mr. J.Viswanathan, (Senior core Engg) & Mr. Anandaraman (Asso Director) Prolific systems Pvt.Ltd., Chennai.	75	09.07.16	2016-17
Short term course on Design and Fabrication of Valves.	Mr. Ravi, MD/Rasaai Flow Lines Pvt Ltd., Pudukkottai. & Mr.M. Karuppusamy, Director/ Axis CADD, Pudukkottai.	75	23.07.16	2016-17
Auto CAD	Mr.P.Saravanan & Mr.Victor Jebaraj, CADD Centre, Pudukkottai.	150	10.08.16	2016-17
Introduction about NDT Scope and its carrier.	Mr. Jeya Renald Reagan, Quality Manager, NDT Tech & Service, Chennai. & Mr. Praveen, MD/Global CADD, Madurai.	150	13.08.16	2016-17

## Department of Electrical and Electronics Engineering

Course Details	Resource Person	Participants	Date	Academic Year
Seminar - Renewable Energy Resources	Dr.S.Senthilkumar, Assistant Professor, Department of EEE, National Institute Technology, Trichy.	62	13.08.16	2016-17
Workshop-Modelling and Simulation of Power Electronics and Drives	Dr.S.Senthilkumar, Assistant Professor, Department of EEE, National Institute Technology, Trichy.	50	20.03.15	2015-16

Workshop- Electronics Based System Design using Proteus Software	Mr.M.Vijaykumar, Assistant Professor, Department of EEE, EGS Pillay Engg. College, Nagapattinam.	36	23.07.16	2016-17
Value added Courses -PCB Design	Mr. R.Anandh, Mr. R.Grish, Vingyan Innovations Pvt. Ltd., Chennai.	21	10.09.16 to 25.09.16	2016-17

**Department of Civil Engineering**

<b>Course Details</b>	<b>Resource Person</b>	<b>Participants</b>	<b>Date</b>	<b>Academic Year</b>
Introduction to Auto CAD and Staad Pro - Demo	Mr.Victor Jebaraj, CADD Centre, Pudukkottai.	70	17.09.16	2016-17
Seminar – Basic in Civil Engineering	Mr.N.Senthil Kumar, Apollo Computer Education, Pudukkottai.	40	17.09.16	2016-17
Workshop – Field Practice in Civil Engineering	Mr.N.Subramanian, Mr.K.Basheer Mohamed, FACEAT, Pudukkottai.	70	30.09.16	2016-17
Seminar - Applications of Softwares in Civil Engineering	Mr.Victor Jebaraj, CADD Centre, Pudukkottai.	60	23.07.16	2016-17
Revit Architecture	Mr.Santhanam, TCIL-IT, Trichy.	50	01.03.16	2015-16

**Department of Computer Science and Engineering**

<b>Course Details</b>	<b>Resource Person</b>	<b>No of Participants</b>	<b>Date</b>	<b>Academic Year</b>
Net Framework	Mr. A.Mutharasan , NHIT Computer Education, Pudukkottai.	29	27.07.16	2016-17
	Mr. A.Mohammed Razul , NHIT Computer Education, Pudukkottai.	30	17.08.16	
	Mr. A.Mutharasan , NHIT Computer Education, Pudukkottai.	23	18.09.16	
	Mr. A.Mohammed Razul, NHIT Computer Education, Pudukkottai.	30	24.09.16	



Net Framework	Mr. A.Mutharasan , NHIT Computer Education, Pudukkottai.	26	25.09.16	2016-17
	Mr. A.Mohammed Razul , NHIT Computer Education, Pudukkottai.	30	01.10.16	
Seminar-Web Development	Mr. R.Grish & Mr. R. Ananth Director, Vingyan Innovations Pvt. Ltd., Chennai.	49	02.01.16 09.01.16 23.01.16 05.02.16	2015-16

### Department of Electronics and Communication Engineering

Course Details	Resource Person	No of Participants	Date	Academic Year
Matlabotrix	Mr.Aakash Kumar, Research Engineer, Bangalore.	70	04.10.13 & 05.10.13	2013-14
Hands on Training on Antenna Software and Design	Mrs.B. Anandhi Meena, CEO, GK Antennas, Maduari.	56	23.07.16	2016-17

#### 1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No. The institution is affiliated to Anna University and it does not offer programmes that facilitate twinning /dual degree.

#### 1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

## (i) Range of Core / Elective options offered by the University

## Department of Mechanical Engineering

Sl.No	Year/Sem	No. of Electives		Total		Regulation
		Offered	Opted	Offered	Opted	
01	III/VI	01	01	05	05	2008
02	IV/VII	02	02			
03	IV/VIII	02	02			
04	III/VI	01	01	05	05	2013
05	IV/VII	02	02			
06	IV/VIII	02	02			

## Department of Electrical &amp; Electronics Engineering

Sl.No	Year/Sem	No. of Electives		Total		Regulation
		Offered	Opted	Offered	Opted	
01	III/VI	01	01	04	04	2008
02	IV/VII	01	01			
03	IV/VIII	02	02			
04	III/VI	01	01	05	05	2013
05	IV/VII	02	02			
06	IV/VIII	02	02			

## Department of Civil Engineering

Sl.No	Year/Sem	No. of Electives		Total		Regulation
		Offered	Opted	Offered	Opted	
01	III/VI	01	01	05	05	2008
02	IV/VII	02	02			
03	IV/VIII	02	02			
04	III/VI	01	01	05	05	2013
05	IV/VII	02	02			
06	IV/VIII	02	02			

## Department of Computer Science and Engineering

Sl.No	Year/Sem	No. of Electives		Total		Regulation
		Offered	Opted	Offered	Opted	
01	III/VI	02	02	06	06	2008
02	IV/VII	02	02			
03	IV/VIII	02	02			
04	III/VI	01	01	05	05	2013
05	IV/VII	02	02			
06	IV/VIII	02	02			

## Department of Electronics and Communication Engineering

Sl.No	Year/Sem	No. of Electives		Total		Regulation
		Offered	Opted	Offered	Opted	
01	III/VI	02	02	06	06	2008
02	IV/VII	02	02			
03	IV/VIII	02	02			
04	III/VI	01	01	06	06	2013
05	IV/VII	03	03			
06	IV/VIII	02	02			

(ii) Choice Based Credit System and range of subject options

(iii) Courses offered in modular form

(iv) Credit transfer and accumulation facility

(v) Lateral and vertical mobility within and across programmes and courses:

As per the University Regulation no provision for (ii) to (v)

(vi) Enrichment Courses

The efforts made by the institution to supplement the University curriculum in realizing the goals and objectives are:

- Organizing Guest lectures, Seminar, Workshops and inviting experts in the domain to promote knowledge & skill enhancements.
- Periodical Industrial visits, In-Plant Training are arranged for the enrichment of student's practical knowledge. In-Plant training is mandated during III Year study for better Industrial exposure.

#### Project Work (VII & VIII SEM)

- UG students will undergo Design Project and Project work during VII & VIII semester as per curriculum. Aiming for better outcome, 3 hours /week is allotted for project work. Batch formation, Guide identification, Literature survey, Problem identification and Title confirmation will be made before the commencement of Theory classes and the performance are monitored and motivated by conducting the reviews.

#### 1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Since the Institute is a Self-Financing Institution, it offers the following Self-Financing Programmes only:

**UG Programmes**

- B.E- Civil Engineering
- B.E- Computer Science and Engineering
- B.E- Electrical and Electronics Engineering
- B.E-Electronics and Communication Engineering
- B.E- Mechanical Engineering

**PG Programmes**

- M.E- Computer Science and Engineering
- M.E- Communication Systems
- M.E- Manufacturing Engineering
- M.E- Power Electronics and Drives
- M.E- Structural Engineering

**Research Programmes**

- Ph.D – Mechanical Engineering
- Ph.D - Chemistry

**Admission Process**

The admission to UG and PG programmes under Government Quota and Management Quota are done as per the Tamilnadu Government Regulations. The Government Quota is filled through TNEA counseling.

**Fee Structure**

Programme	Government Quota (Fees / Year)	Management Quota (Fees / Year)
UG	40000	70000
PG	50000	70000
Ph.D	Course work fee (if applicable)	NA

**Teaching Qualification & Salary:** As per AICTE Norms

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.**

Students are given opportunities to improve their General Knowledge, Technical skills, Managerial skills and Communication skills, Soft skills by participating in different activities organized by the department associations and clubs.

- Higher Education Club provided better guidance to the students those who are interested in higher studies. The club is acting under two categories, (i) higher education in India and (ii) Higher education in abroad.
- Innovation Club is motivating the budding engineers those who are very much interested in doing the things differently by encouraging their project and give suggestion to promote their project work in better excellence.
- Language enhancement club is acting to improve the student's language skill to meet the competency world with well communication skill. The club is acting in two categories as (i) Enhancement in English and (ii) Enhancement in Hindi
- Moreover Fine arts, Yoga, Photography Clubs are in progress to motivate the students with their own talent to overcome the technological world's expectation.

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?**

The University does not provide the flexibility of combining the conventional face-to face and distance Modes of Education.

**1.3 Curriculum Enrichment**

**1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?**

The effort is made to reach the objectives and goals through the following resources,

- Fully equipped laboratory facilities
- ICT Enabled Classrooms
- Library with digital facility
- Industrial visit
- Guest lecture
- In-plant training
- Seminar/ workshop
- Soft skill development

### 1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The college adheres to the syllabus designed by Anna University and the faculty enriches it with their own expertise and experiences to enable students compete in the job market. The following efforts are made by the Institution to enrich and organize curriculum with need of dynamic employment

- Provision for special lectures, Industrial visits, in-plant training and innovative project cell competitions have been put in place.
- The college regularly organizes communication skills and life skill development programmes.
- Training and Placement Cell takes initiatives to cater to the needs of the changing employment market. The Cell regularly interacts with the HR managers of companies and collects first hand information about the demands and expectations of the corporate sectors regarding the required skill set of students. Based on these, special training and tailor made value added programmes are conducted during the academic year.
- The students are encouraged to take up mini projects and main projects in thrust areas. If necessary, students are sent to industries or research organizations to collect the data, do the necessary design and analysis and suggest solutions for the technical improvement and cost effectiveness.
- In order to fill the gaps identified between the curriculum and industrial requirements, value added courses and additional topics are designed and conducted by the faculty members and industrial and academic experts.
- MoUs with industries and corporate to encourage students to do their projects.
- Guest lectures and workshops by industry experts/senior academicians to train the students on latest developments in respective areas
- The college trains the faculty through industry and corporate collaborations.
- Digital Library with e-journal subscriptions.
- In-plant training.
- Industrial visit to core companies.
- Latest technology through value added courses.

### 1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

In addition to interrelated courses like Environmental Science, Professional Ethics, Principles of Management, Institute encourages the functioning of various clubs to integrate the above mentioned cross cutting issues.

#### **Gender Empowerment**

Gender equity is proven at all activities of the institution by means of active girl student participations. Women's Cell has been launched to create confidence and better grooming.

#### **Environmental Education**

With the slogan of "Green Chendhuran" the institution organizes various activities that promotes environment consciousness and contribute for its betterment.

The "Go Green" campaign is a manifesto started in our campus by the popular comedy film actor Padmashri.Vivek in 2011 to make a green environment and there are many trees inside the campus.

Efforts are also taken prohibiting the usage of polythene bags inside the campus. NSS wing conducts various community development programmes like adopting a village, conducting campaign on various health care issues to the villages, organizing free health awareness and treatment camps.

Swachh Bharat is a wing walks the way in our Honorable Prime Minister to make a clean India. The wing started with the activities on bringing clean Chendhuran.

#### **Human Rights**

The institute has constituted Anti-Ragging committee, Grievance Redressal Cell to ensure a ragging free environment and voice views respectively. As a result of this mechanism, the college has a pleasant atmosphere and good work culture with an in-built goodwill and mutual understanding among its stakeholders.

#### **ICT**

Teaching practices adopted promotes usage of modern teaching methods using OHP, LCD, PPT with internet facilities. Aiding with smart class room, NPTEL notes, videos are provided to students to empower their knowledge.

#### **Social Issue**

Among the social issue, various club activities are in progress to motivate the social responsibility of students. Some of the significant clubs are , NSS , Swachh Bharat, Red Ribbon Club, Human rights Club, Yoga club etc.,

### 1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- moral and ethical values
- employable and life skills
- better career options
- community orientation

#### Moral and ethical values

- Orientation and Yoga programmes are conducted for first year students.
- Awareness programme are conducted.
- Human right awareness is given to the students by the Human rights club.
- Blood donation camp is conducted by the Rotract club.

#### Employable and Life Skills

- Various value added courses, personality development programmes are offered by Institution to ensure holistic development of students.
- Training programmes for personality development, communication skills and employability training camps.

#### Better career options

- The Institution has separate Training and Placement Cell and Higher Education Club to provide various programmes for the benefit of the students, exposure to appear in competitive examinations is facilitated.

#### Community orientation

The Institution initiates to conduct many programmes such as, Conducting blood donation camps Social awareness programmes and welfare services, Computer awareness programme for public, especially in rural areas

- Organizing rally on creating awareness on voting right.
- Volunteer services to schools and villages.
- NSS, YRC, Rotract and Swachh Bharat activities.

### 1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

#### Students

The class committee meeting is conducted at regular interval after completion of every unit test. In that meeting, the suggestions and complaints from students will note down and it will be rectified as early as possible for enriching the curriculum by making them confident and satisfy on studies.



### Parents

Regular Teachers-Parents meeting is conducted every semester for sharing the views and ideas of parents. And also it will enable to direct interaction of staff members and parents to analyse the performance of students and to boost up their activities in a right way.

### 1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The institution makes sure that the programmes offered in curricular and cocurricular activities. The institute seeks to improve student's skill in all round the core areas even apart from the curriculum.

All the enrichment programmes are monitored carefully to assure the students development. By the way, for all the activities the staff coordinator was allotted to arrange the programmes with respective HOD's and the Head of the Institution will make a approval to conduct and monitor the programmes.

Departments collect the feedback from the participants regarding the effectiveness of the programmes organized. The sample format of feedback form from the field practice workshop programme is shown below.

Field Practice in Civil Engineering	
Feedback	
Sl.No	Questions
1.	Make a <b>Score</b> to the session ----- /10.
2.	How <b>useful</b> the session was? <b>BEST / GOOD / FAIR</b>
3.	If <b>Best / Good</b> Why?
State the Reasons:	Signature With Name & Date

## 1.4 Feedback System

### 1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Institution is affiliated to Anna University and follows the syllabus prescribed by the University.

### 1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes. The institution frequently collects the feedback on curriculum from students and stakeholders. The Institution forwards the suggestions regarding a particular syllabus to University for corrections. To adopt the revised curriculum, special lectures, FDPs are organized. Additional laboratory hours are provided to conduct experiments beyond the syllabus to enrich the practical knowledge of the students. Also the institute will write to the University if there is any discrepancy in the University Question papers, and other related matters.

#### Student Feedback:

- Feedback is collected from students once in a semester in the written format as per the format.
- Feedback is taken during class committee meeting by class Advisors.
- Oral feedback is collected by Heads of the Department with details of the syllabus covered.
- Random feedback is taken directly by Principal from the students department-wise.
- Feedback is also being collected by the respective mentors on regular basis.
- The end-semester result analysis also being taken as part of feedback process.

#### Parents Feedback:

- Informal feedback is being taken during their visit to the institution and also during parent's meeting.

#### Employers / industries:

- The feedback is collected from the employers and industries during the Campus Drives.

- Also feedback is collected from Industry Experts, whenever the project guide visits the Industry to inspect the projects of his / her students.

**Academic peers feedback:**

- The feedback is collected from the external examiners, experts invited from Professional and Industry experts.

The major suggestions will be communicated to the University if there is any discrepancy in the University Question papers, and other related matters.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes? Any other relevant information regarding curricular aspects which the college would like to include.**

Program	Degree	Name of The Course	Year of Establishment
PG	M.E	Manufacturing Engineering	2011
		Computer Science and Engineering	2012
		Communication Systems	2012
		Power Electronics and Drives	2013
		Structural Engineering	2013
Research	Ph.D	Mechanical Engineering	2016
		Chemistry	2016

## CRITERION – II: TEACHING, LEARNING AND EVALUATION

### 2.1 Student Enrollment and Profile

#### 2.1.1 How does the college ensure publicity and transparency in the admission process?

##### Publicity

- Admission information is publicized in college Website.
- Information about college is informed through Advertisements, Prospectus and Brochure.
- Educational fair and Awareness campaign are organized.
- Admission Notification is published in regional newspapers and media.
- Students are admitted under Sports Quota is informed earlier through newspaper.
- Organized “Jaithu Kattuvom” event regularly and issued question bank for +2 Students belongs to rural area for their welfare.

##### Transparency

- The college firmly follows the rules put down by both the University and the Government of Tamil Nadu to ensure transparency in the admission process.
- As the College is affiliated to Anna University, admissions under the Government Quota are made through a Single Window Counseling system by the University.
- Admissions are made under the Management quota, through the Consortium of Self Financing Arts and Professional Colleges, Chennai.

#### 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

##### UG Program Admission Process

##### (i) Merit

65% of admission is filled through Single Window Admission System (SWS). In addition, 20% of seats is approved for admission for diploma holders in second year directly (lateral entry) through Directorate of Technical Education (DOTE).

##### (ii) Combination of merit and entrance test

35% of admission is filled through Management Consortium based on merit list published by the Consortium of Self-Financing Professional Colleges.

**(iii) Institutional scheme**

Benefit for meritorious students and students excel in Sports is given fee waiver based on their credentials. Economically weaker students are considered for fee waiver in Tuition, Hostel fee based on request.

**PG Admission****(i) Merit**

50% of admission is filled through SWS, based on Tamil Nadu Common Entrance Test (TANCET) examination conducted by Anna University.

**(ii) Combination of merit and entrance test**

50% of admission is filled through Management Consortium based on merit list published by the Consortium of Self-Financing Professional Arts and Science Colleges.

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

**Table 2.1.3 Entry level cut off details**

Programme	Year	Entry Level Cut off									
		Chendhuran		Mount zion		SEC		Sri Bharathi		KCE	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
B.E CIVIL	2015-2016	178.50	92.50	194.5	100.25	189	81.25	178.25	89.25	190.50	96.25
	2014-2015	158.75	109.25	190.25	111.5	191	97.25	158.75	94.50	170.25	87.50
	2013-2014	170.50	89.25	185.5	87	176	84.25	176.5	77.75	182.50	132.25
B.E CSE	2015-2016	163.50	93.25	175.5	102	189	93.5	160	101.50	171.00	101.5
	2014-2015	165.25	88.25	184.25	112.25	188.5	103.5	163.75	93	179	87.5
	2013-2014	169.25	82.75	178.5	105	172	95.50	165	91.50	174.75	96.75
B.E ECE	2015-2016	184.25	85.75	193.5	101.5	189	83.5	182.50	87.5	191.50	89.75
	2014-2015	176.50	83	193.75	98.75	190	93	181.50	99	178.25	88
	2013-2014	152.25	80.75	165.25	112.75	152.25	83.5	162.50	118.75	159.50	85.50
B.E EEE	2015-2016	172.75	84.75	180	93.5	189	83.75	169.50	87.5	179.75	89.75
	2014-2015	187.25	124.5	173.5	84.24	179.25	87.75	151	141.75	159.50	91
	2013-2014	172.50	92.25	183.5	84.75	172.25	78.50	172.5	111.75	180.75	78.75
B.E MECH	2015-2016	188.75	89.25	195.5	95.25	189	84.25	-	-	197.75	92.25
	2014-2015	138.50	97.25	181.25	105.75	174.5	96.25	-	-	170	84
	2013-2014	172.50	112	182.5	107.5	172.25	80	-	-	176.50	128.75

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

Yes, the admission process (government quota) is done by Tamil Nadu Engineering Admissions (TNEA) counseling. The admission process (Management quota) is done by consortium of Self Financing College.

College is maintaining the student admission related details in college office. The college analyzes the student profiles after their admission in,

- Academic background,
- Cut off marks - community wise,
- Levels of disability,
- Geographical background,
- Gender categorization,
- District wise data analysis,
- School of study,
- Board of study,
- Medium of study,
- Economic status,
- Curricular/Extra-curricular activities.

**2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion**

- \* SC/ST
- \* OBC
- \* Women
- \* Differently abled
- \* Economically weaker sections
- \* Minority community
- \* Any other

Admission is purely based on Tamil Nadu Engineering Admission rules and regulations. The following approaches were adopted to improve the following category of students.

**SC/ST/SCA**

- Fifteen percentage of strength are reserved for SC category students. One seat is reserved for ST category students.
- Three percentage of strength are reserved for SCA.
- Food and accommodation are provided for Hostellers.
- Transport facility is provided for day scholar students.

**OBC**

- 69% rule of reservation is followed for OBC students.

OC	BC	BCM	MBC
31	26.50	3.50	20

- The institution guides the students for getting the educational loan from Bank.

**Women**

- The college does not differentiate on the gender basis.
- Girl students are motivated for dynamic participation in all curricular and extracurricular activities.
- Motivational programmes are organized regularly for their benefit.
- World women's day is celebrated annually to encourage the women faculties and students.

**Differently-abled**

- Three percentages of the student admission are reserved for the physically challenged students.

**Economically Weaker Sections**

- Scholarship is arranged for economically weaker sections.
- First graduate students to avail First Graduate Tuition Fee Concession as per the government norms.

**Institute scholarship**

- Fee concession is offered to the sport quota.
- Merit Scholarship.

**Table 2.1.5 (a) Category wise student's admission details**

Category	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	49	24	42	29	61	20	25	18
ST	-	-	-	-	-	-	-	-
OBC+BC	107	48	82	24	95	22	137	33
General	-	01	05	03	01	-	03	04
Differently abled	-	-	-	-	-	-	-	-
Minority Community	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-
Total	156	73	129	56	157	42	165	55

Table 2.1.5 (b) Gender wise student's admission details

Programme	Branch	2016-17		2015-16		2014-15		2013-14	
		M	F	M	F	M	F	M	F
UG	MECH	80	02	53	03	70	-	101	-
	EEE	27	01	18	09	24	04	11	13
	CIVIL	28	08	45	13	48	11	42	13
	CSE	16	35	10	18	09	13	05	11
	ECE	05	27	03	13	06	14	06	14
PG	Mfg	03	-	03	-	05	-	19	01
	PED	02	-	-	-	02	03	06	05
	Struct.	12	06	11	07	07	07	06	20
	CSE	-	01	01	02	01	06	04	10
	COMN	01	06	01	04	03	07	05	14
Total		174	86	145	69	175	65	205	101

Table 2.1.5 (c) Religion wise student's admission details

Programme	Branch	2016-17		2015-16		2014-15		2013-14	
		M	F	M	F	M	F	M	F
UG	Hindu	140	62	113	51	138	39	148	48
	Muslim	16	9	15	4	15	3	12	5
	Christian	-	2	1	1	4	-	5	2
	Others	-	-	-	-	-	-	-	-
PG	Hindu	17	13	14	13	18	22	38	46
	Muslim	01	-	01	-	-	-	01	03
	Christian	-	-	01	-	-	01	01	01
	Others	-	-	-	-	-	-	-	-
Total		174	86	145	69	175	65	205	105

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Table 2.1.6 (a) Demand ratio for under graduate admissions

Course	Year	No. of Applications	No. of Students Admitted	Demand Ratio
Mechanical Engineering	2016-17	97	82	0.85
	2015-16	62	56	0.90
	2014-15	89	70	0.79
	2013-14	111	101	0.91



Electrical and Electronics Engineering	2016-17	41	28	0.68
	2015-16	27	27	1.00
	2014-15	40	28	0.70
	2013-14	26	24	0.92
Civil Engineering	2016-17	59	36	0.61
	2015-16	80	58	0.73
	2014-15	64	59	0.92
	2013-14	69	55	0.80
Computer Science and Engineering	2016-17	65	51	0.78
	2015-16	42	28	0.67
	2014-15	28	22	0.79
	2013-14	24	16	0.67
Electronics and Communication Engineering	2016-17	44	32	0.73
	2015-16	23	16	0.70
	2014-15	20	20	1.00
	2013-14	23	20	0.87

Table 2.1.6 (b) Demand ratio for post graduate admissions

Course	Year	No. of Applications	No. of Students Admitted	Demand Ratio
Manufacturing Engineering	2016-17	05	03	0.60
	2015-16	03	03	1.00
	2014-15	07	05	0.71
	2013-14	21	20	0.95
Structural Engineering	2016-17	18	18	1.00
	2015-16	18	17	0.94
	2014-15	15	14	0.93
	2013-14	26	26	1.00
Computer Science and Engineering	2016-17	01	01	1.00
	2015-16	03	03	1.00
	2014-15	07	07	1.00
	2013-14	17	14	0.82
Communication Systems	2016-17	07	07	1.00
	2015-16	05	05	1.00
	2014-15	12	10	0.83
	2013-14	19	19	1.00
Power Electronics and Drives	2016-17	03	02	0.67
	2015-16	00	00	0
	2014-15	07	05	0.71
	2013-14	14	11	0.79

## 2.2 Catering to Student Diversity

### 2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- Special attention, guidance and counseling are given during the course of study.
- A barrier-free environment is provided on campus for their mobility.
- Special rest room is available in the ground floor.
- Front-row seating arrangement is provided and comfortable furnitures are also available.

### 2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

- Orientation programme is organized by the institution on the first day of commencement of college.
- Bridge courses are conducted to improve the communication skills, since most of the students are from rural background.

Programme for newly admitted student's covers the following:

Assessment Criteria during Admission	Assessment Criteria during Orientation
<ul style="list-style-type: none"> <li>• Academic record</li> <li>• Co-curricular activities</li> <li>• Social activities</li> <li>• Goal</li> <li>• Sports</li> </ul>	<ul style="list-style-type: none"> <li>• Percentage of marks in higher secondary examination</li> <li>• Interview of the student</li> <li>• English Language Skills</li> <li>• Oral Communication Skills</li> <li>• Written Communication and Analytical Skills</li> <li>• Computer and Internet Skills</li> </ul>

### Materials Distributed

The following materials are distributed to the students on the day of orientation:

- Academic Calendar
- Question bank
- Time table
- Syllabus for four years
- Prescribed Text Books
- Note books, record note, bags
- All materials relevant to I year programme
- Engineering drawing board, tools and drawing sheets
- Calculator, Lab uniform, shoes and related materials etc.

### 2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- Bridge courses are conducted for the students immediately after they join the first year.
- After the Unit Test – 1 examination, based on marks obtained in various subjects the students are categorized into slow and fast learners.
- For slow learners special classes are conducted apart from regular curriculum to catch up with other students.
- Mentor counseling scheme is introduced to counsel the students and monitor their performance in curricular as well as in co curricular activities.
- Guest lectures, Seminar, Workshops are organized for the benefit of the students.
- Industrial visits are arranged to the students every year.
- Students are advised to undergo In-plant trainings every semester to update their industrial knowledge.
- Training and Placement Cell provides training on Aptitude and soft skills.
- Two hours (Library and Internet) are allotted in the regular timetable to use the Library and Internet facility effectively.

### 2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Gender	Inclusion	Environment
Women's grievance cell is monitoring issues related to gender equality.	Class representative and Association members	Tree plantation and gardening
Legal awareness sessions are organized by IPS officers.	Student associations	Healthy Drinking water
Women safety (24*7) sessions by the Women Police officers	Organizing committees members	Rain water harvesting
Separate dress code for girls during college hours	Students Club	Plastic free campus
Separate Girls Hostel is available within the campus	Ladies sports house	Tobacco free campus
Women's day celebration	Co curricular activities	Solar Power Plant

### 2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

Advanced learners are identified on the basis of their

- Percentage of marks in university and internal exams.
- Classroom performance.
- Performance in laboratory classes.
- Participation in department activities.
- Prizes won in Co-curricular and extracurricular activities.
- Submitting assignments in time with perfection.
- Participation in symposiums and seminars.
- Punctuality in all activities.

Respond to special educational/learning needs to advanced learners,

- Proficiency Awards is given to class toppers every year during Annual Day celebrations.
- Special permission is also granted to the students to take up training in renowned industries and organization.
- Value added courses are conducted to provide to the needs of the advanced learners.
- Certificates and mementos are awarded during College Day function to the university toppers.
- The advanced learners are advised to prepare for seminars as part of the classroom activities for the topics beyond the syllabus.

### 2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Measures initiated to prevent drop out:

Academic Support	Financial Support	Psycho-Social Support
Coaching classes are conducted for the slow learners after the completion of the syllabus in a regular manner.	College allows the students to pay their tuition fees in flexible installments.	Psychological counseling done every year for depressed students by special counselor.

Bridge Courses.	Various scholarships offered by Government.	Student counseling by Mentor.
Individual and group mentoring.	College offers various scholarships to academically sound students.	Motivation Lectures from outside experts.
Parent Teacher meeting.		
Special remedial classes are conducted during the evening 5.00 to 6.00 pm for the slow learners.		

## 2.3 Teaching-Learning Process

### 2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

#### Academic calendar

- Academic Calendar is prepared matching Anna University academic schedule and the requirements at the department level, Semester Commencement & Last working day, Conduct of Internal Assessment schedule,
- The tentative end semester practical and theory commencement details also informed at the beginning of the semester.

#### Teaching plan

- Teaching plans are prepared well before the commencement of the semesters by the members of faculty which includes
  - Course objectives
  - Session plan
  - Content in the Syllabus
  - Textbooks and reference books
  - Topics of innovative teaching and the methods used

#### Evaluation blue print

Unit Test (5)	50 Marks	5X2=10 marks 2X16=32 marks 1X8=8 marks
Model Exam (1)	100 marks	10X2=20 marks 5X13=65 marks 1X15=15 marks
University Exam	100 marks	10X2=20 marks 5X13=65 marks 1X15=15 marks

### 2.3.2 How does IQAC contribute to improve the teaching –learning process?

- The Internal Quality Assurance Cell plays a vital role in the quality assurance of the teaching-learning process.
- The IQAC interacts with the class teachers to conduct class committee meetings and also in the implementation of the follow up expected to improve the teaching-learning process.
- The IQAC contributes in the following activities as follows
  - Course file maintenance
  - Student feedback
  - Department academic activities

### 2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- Digital class rooms are arranged to each department to provide live demo video to make students more interactive teaching.
- Third year students are asked to do mini projects and advised to present their Projects in project Exhibitions organized by various colleges.
- Institute invites eminent personalities, entrepreneurs and industry resource persons to share their knowledge.
- Three periods in a week is dedicated for student's web browsing, library and sports.
- National level symposiums are organized regularly in all Departments to acquire additional knowledge.
- Industrial Visits are arranged for students by the departments to visit industries to enhance their technical knowledge.
- National and International Conferences are organized by the institution to develop the interest to the students in research.

### 2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The following programmes are organized by college to nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators:

- Internship
- Lectures in emerging technologies from experts

- Student seminars from latest trends
- Workshops/ Symposium/ Conferences to enhance technical skills of the students
- Technical Quiz
- Paper presentations
- Mini projects
- Industrial visits
- Water rocketing
- CAD Modeling
- Car race

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

- Digital class rooms are provided with LCDs besides the language laboratories to enhance the teaching to the students.
- Library is linked with DELNET for accessing magazines/ journals.
- Enough computer systems are provided for student learning experiences.
- High speed Internet facility is provided in the campus enables access of open e-resources.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

**For Staff members**

- The staff members are encouraged to participate in
  - Short-term courses
  - Faculty development programmes (FDP)
  - Workshops on advanced topics.
  - Seminar (National / International)
  - Short term training
- Faculty members are encouraged to present papers in national /international seminars / conferences.
- The one day workshop on “Art of scientific writing (ASW 16)” was organized by the institute for the faculty members to learn how to write and publish their findings in International Journals. The chief guest for the workshop was Dr.R.Jayavel, Director, Centre for Research, Anna University, Chennai.

**For students:**

The students are encouraged to participate in,

- Technical symposium
- Workshops
- Seminars
- Conferences (National/International)

The departments conduct,

- Paper presentation
- Poster presentation
- Technical quiz
- National level symposium
- Guest Lectures
- Workshops

The department arranges,

- Industrial visits.
- In-plant training for students

**2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

**Academic & Personal counseling**

- Mentoring System
  - Every student in the class will be assigned with a Mentor.
  - Teaching faculty acts as Mentor for a batch of 15 to 20 students.
  - Mentor motivates the students for the improvement in curricular and extracurricular activities.
  - Mentor also monitors the discipline of their student.
  - Mentor counseling session is arranged every month.
  - Mentor reports the remarks to the class coordinator and HOD.
- Class coordinator and HOD interacts with students regularly to identify students concerns in courses and overall activities related to students.
- Parents Teachers meeting are arranged for interactions regularly.
- Training and Placement Cell provides guidance to students for career planning
- GATE Coaching classes are conducted for the benefit of the students.



**Psycho-social support**

- Psychological supports are given to the identified by external expert visiting the institute and internal mentors.
- Special mentor counseling is given by the in-house training and placement officers.

**Other Support system**

- Yoga classes are conducted on Saturdays for the benefit of students.
- Experts are brought to provide motivational speeches to the students.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

The teaching methods and strategies adopted by the faculty members include,

- Using smart class rooms effectively
- Video lectures by NPTEL
- Group discussion
- Experiments beyond the syllabus
- Industrial visit
- In-plant training
- Mini projects
- Comprehensive assignments

**2.3.9 How are library resources used to augment the teaching- learning process?**

Library plays a significant role in enhancing the quality of Teaching-Learning Process by providing necessary resources. The following resources are available in the library.

- Books and References
- Periodicals/ Journals
- Photocopying facility
- Document Scanning facility
- Resources for aptitude and entrance tests
- Resources for competitive examinations like GATE, GRE etc.
- Online journals
- Internet facility
- Provision is also made in the time table for every class – one hour per week – to help students return / renew the books borrowed on their credit of three books per student.

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

No. The institute does not find any difficulty in completing the curriculum of the Anna University within the planned time frame and calendar. A well-planned academic calendar that include schedule of all academic activities that helps to complete all the activities in stipulated time period.

**2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

- The IQAC schedules, monitors and ensures the coverage of syllabus and curriculum completion within the stipulated time.
- The college is sending the assessment report of the students (marks and attendance details) at end of each unit test to the parents through SMS and Letter.
- Parents are asked to meet class coordinator if the students performance is not satisfactory.
- Whenever necessary, special classes are arranged after college hours and also during evening hours and also during Saturdays to complete the curriculum on time.

**2.4 Teacher Quality**

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum**

**Table 2.4.1 Details of faculty recruitment**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	3	0	1	1	0	0	5
M.Phil.	0	0	0	0	13	11	24
PG	0	0	3	0	51	33	87
Temporary teachers							Nil
Part-time teachers							Nil

Recruitment of teaching, Non-teaching & technical staff is done as per the norms of Anna University. The selection committee consists of the following members:

- The Management Representative
- The Principal
- Heads of Departments

- One subject expert from other reputed institute

The selection process is as follows:

- Advertisement of faculty requirement in newspaper.
- Applicant's resumes are screened.
- Technical and personal interview are conducted for candidates.
- Recommendations of selection committee.
- Issue of appointment order to selected candidates.

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- The college does not have courses in bio informatics and bio technology.
- The college has adequate faculty in IT department.
- As stated earlier, the college has more than sufficient number of qualified and competent teachers to handle the courses offered.
- The college encourages the faculty members to attend courses and other training programmes.
- Management supports faculty members for higher studies to upgrade their qualification, particularly Ph.D.
- During the last four years, many of our faculty members have participated in a number of state level, national and international level seminars and workshops.

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

**a) Nomination to Staff Development programme**

**Table 2.4.3 (a) Details of faculty nominated for staff development programme**

Department	Staff development Programs	Number of faculty nominated			
		2015-16	2014-15	2013-14	2012-13
Mechanical	Seminar	27	-	-	-
	Training	-	-	-	-
	Workshops	-	-	-	-
	Conferences	27	-	-	-
	Courses	-	-	-	-

EEE	Seminar	-	-	-	-
	Training	-	-	-	-
	Workshops	1	-	4	1
	Conferences	1	-	-	3
	Courses	1	1	-	-
Civil	Seminar	-	-	-	-
	Training	-	-	-	-
	Workshops	4	-	-	-
	Conferences	2	-	-	-
	Courses	-	-	-	-
CSE	Seminar	1	-	-	-
	Training	-	-	4	-
	Workshops	-	-	-	-
	Conferences	2	-	-	-
	Courses	-	-	-	-
ECE	Seminar	-	-	-	-
	Training	2	-	-	-
	Workshops	2	-	-	-
	Conferences	-	-	-	-
	Courses	-	-	-	-

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- Teaching learning methods/approaches
- Handling new curriculum
- Content/knowledge management
- Selection, development and use of enrichment materials
- Assessment
- Cross cutting issues
- Audio Visual Aids/multimedia
- OER's
- Teaching learning material development, selection and use

Table 2.4.3 (b) Details of FDP organized by the institute

**Mechanical Engineering**

Date	Staff development Programs	Title	Resource Person
10.09.16 & 11.09.16	Faculty Development Program	Kaizen 2016	Prof.R.Panchanadhan, Director, Talent Consultancy, Trichy.

**Electrical and Electronics Engineering**

Date	Staff development Programs	Title	Resource Person
09.04.15	International Conference	Technological Developments in Engineering	Dr.V. Ponraj, Scientific Advisor to former President APJ Abdul Kalam, Chennai.
23.07.16	Workshop	Electronics based System Design	Mr.M.Vijayakumar, Assistant Professor/EEE, EGS Pillai Engineering College, Nagapattinam.
20.03.15	Workshop	Modeling and Simulation of Power Electronics and Drives	Dr.S.Senthilkumar, Assistant Professor, National Institute of Technology, Trichy.
13.08.16	Seminar	Renewable Energy Resources	Dr.S.Senthilkumar, Assistant Professor, National Institute of Technology, Trichy.

**Computer Science and Engineering**

Date	Staff development Programs	Title	Resource Person
22.07.16 & 23.07.16	Workshop	Fundamentals of SDLC	Mr. R.Karthikeyan, HCL Technologies, Chennai.
05.03.15 & 06.03.15	Workshop	Android Technology	Mr. G.Parthasarathy, Approtech Solutions, Thillai Nagar, Trichy.

11.10.13 & 12.10.13	Workshop	National Network Security Championship	Mr. Vikas Kumar, Network Bulls, Haryana.
13.08.16	Seminar	Theory of Computation	Prof. N.P. Gopalan, National Institute of Technology, Trichy.
18.06.14	Seminar	Big Data Hadoop	Mr.Rengaraj@Muralidharan, Assistant Professor, Saranathan Engineering College, Trichy.
25.07.13	Seminar	Data Warehousing and Data Mining	Mr. T.Sathish, Assistant Professor, KLN College of Engineering, Madurai.
12.03.16	Seminar	Broadcast Technology	Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.
23.02.15	Seminar	Leadership During Times of Complexity and Change	Mr. A.Karthick, Team Leader, HR & Development, Polaris – Chennai.
14.03.14	Seminar	Ensuring Safe Work Environments	Mr. R.Bhaskaran, HR Business Development Consultancy, Intencity Tamilnadu.
14.03.13	Seminar	SWOT Analysis	Mr. P.Manoharan, Deputy General Manager, BHEL,Trichy.

### Electronics and Communication Engineering

Date	Staff development Programs	Title	Resource Person
09.04.15 & 10.04.15	International Conference	Technological Developments in Engineering	Dr.S.Raghavan, Professor, National Institute of Technology, Trichy.
23.07.16	Workshop	Hands on Training on Antenna Software's and Design	Mrs.B.Ananthi Meena, CEO, GK Antennas, Madurai.

27.08.16	Workshop	Art of Scientific Writing (ASW'16)	Dr.Krishnamoorthy, Professor, SKP Engineering College, Thiruvannamalai.
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## c) Percentage of faculty

- invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
- participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies
- presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

Table 2.4.3 (c) Details of staff outside participation

## Mechanical Engineering

Date	Name of the Faculty	Seminar/ FDP/ Workshop/ Conference	Title	Venue
17.12.12 to 24.12.12	R.Ashokkumar	FDP	ME2251- Heat and Mass Transfer	Anna University (BIT Campus), Trichy.
18.04.13	R.Ashokkumar	Conference	Multi Response Optimization of Quality Characteristics in CNC Turning Process of Al Alloy using Taguchi's Method and Response Surface Methodology	Thanthai Periyar Government Institute, Vellore.
03.01.13 to 07.01.13	R.Ashokkumar	FDP	Fluid Power Control System and Mechatronics	National Institute of Technology, Trichy.
03.01.13 to 07.01.13	S.Dineshkumar	FDP	Fluid Power Control System and Mechatronics	National Institute of Technology, Trichy.
16.12.13 to 22.12.13	R.Ashokkumar	FDP	ME2251- Heat and Mass Transfer	Anna University (Panruti Campus), Panruti.

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16.12.13 to 22.12.13	S.Dineshkumar	FDP	ME2251- Heat and Mass Transfer	Anna University (Panruti Campus), Panruti.
16.12.13 to 22.12.13	R.Narayanan	FDP	ME2251- Heat and Mass Transfer	Anna University (Panruti Campus), Panruti.
13.04.14	S.Dineshkumar	Conference	ICISSTM -2014	Paavai College of Engineering, Namakkal.
28.02.15	R.Ashokkumar	Conference	Study on Nano Coated Solar Transition Metal Oxide	Latha Mathavan Engg. College, Madurai.
30.06.16 to 02.07.16	Dr. A. Naveen Sait, Dr. M. Ravichandran, N.Sabarirajan	FDP	Advanced Material Processing in Past, Present and Future	National Institute of Technology, Trichy.
29.09.16 to 30.09.16	Dr. M. Ravichandran, R.Ashokkumar	Workshop	NACC Awareness Seminar/Training on Quality System in Higher Education	Anna University, Chennai.

**Electrical and Electronics Engineering**

Date	Name of the Faculty	Seminar/ FDP/ Workshop/ Conference	Title	Venue
29.09.16 & 30.09.16	S.Barkathunisha	Seminar	NAAC Awareness Seminar/Training on Quality System in Higher Education	Anna University, Chennai.
24.09.16 to 26.09.16	U.Thiruppathi	International Conference	STATCOM with BESS- Control Scheme based Power Quality Improvement in Wind Generator	Anna University, Trichy.
24.09.16 to 26.09.16	B.Prakash Ayyappan	International Conference	Recent Trends in Electrical and Electronics Engineering	Anna University, Trichy.



20.06.16 to 03.07.16	B.Prakash Ayyappan	FDP	Computation, Optimization and Modelling of Sustainable Energy Systems	Anna University, Trichy.
23.03.16 & 24.03.16	L.Rajamohan	International Conference	Interval Timers For Process Handling	St. Peter's Institute of Higher Education & Research, Chennai.
04.01.16 to 10.01.16	M.Shobana	FDP	Power Electronics Applications in FACTS and Renewable Energy	Alagappa Chettiar College of Engineering and Technology, Karaikudi.
06.11.15 & 07.11.15	S.Barkathunisha	Workshop	Microwaves Through Software	National Institute of Technology, Trichy.
11.05.15 to 25.05.15	S.Barkathunisha	FDP	Advanced Computational Intelligence and Optimization Techniques For Health Care Diagnosis System (ACIOTHDS'15)	Mepco Schlenk Engineering College, Sivakasi.
30.12.13	B.Prakash Ayyappan U.Thiruppathi R.Rajesh S. Sathishkumar	Workshop	Energy Conservation in Process Industries	National Institute of Technology, Trichy.
13.04.13	B.Prakash Ayyappan	National Conference	LFC of a Multiarea Power System using ANN based Fuzzy Inference System	Sri Vidhya College of Engineering and Technology, Virudhunagar.
11.04.13 & 12.04.13	B.Prakash Ayyappan	National Conference	LFC of an Interconnected Power System using TCPS	PSN College of Engineering and Technology, Tirunelveli.

16.02.13 & 17.02.13	B.Prakash Ayyappan	National Conference	LFC of an Interconnected Power System with Communication Delays	Mother Teresa College of Engineering And Technology, Pudukkottai.
22.09.12 & 23.09.12	A.Ganapathy	Workshop	PID controller	Madras Institute of Technology, Chennai.

**Civil Engineering**

<b>Date</b>	<b>Name of the Faculty</b>	<b>Seminar/ FDP/ Workshop/ Conference</b>	<b>Title</b>	<b>Venue</b>
10.04.15	R.Greesan	International Conference	International Conference on Technological Developments in Engineering	Chendhuran College of Engineering and Technology, Pudukkottai.
20.08.15	R.Greesan	National Conference	NCDMC	Vel Tech Technical University, Chennai.
22.08.15	R.Greesan B.Rajesh	National Conference	NCTICM	Vel Tech MultiTech, Chennai.
04.01.16 to 09.01.16	R.Greesan	ISTE STTP National Workshop	Introduction to Structural Engineering	Sudharsan Engineering College, Pudukkottai.
04.01.16 to 09.01.16	N.Mohamed Nizar	ISTE STTP National Workshop	Introduction to Structural Engineering	Sudharsan Engineering College, Pudukkottai.
04.01.16 to 09.01.16	B.Rajesh	ISTE STTP National Workshop	Introduction to Structural Engineering	Sudharsan Engineering College, Pudukkottai.
04.01.16 to 09.01.16	J.Esther Baby	ISTE STTP National Workshop	Introduction to Structural Engineering	Sudharsan Engineering College, Pudukkottai.

27.08.16	R.Greesan N.Mohamed Nizar B.Rajesh M.Ashik Mohamed R.Dineshkumar J.Esther Baby U.Sayera Banu V.Sabareeswari	Workshop	The Art of Scientific Writing (ASW'16)	Chendhuran College of Engineering & Technology, Pudukkottai.
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**Computer Science and Engineering**

<b>Date</b>	<b>Name of the Faculty</b>	<b>Seminar/ FDP/ Workshop/ Conference</b>	<b>Title</b>	<b>Venue</b>
29.09.16 & 30.09.16	P.L.BabyShalini	Seminar	NAAC Awareness Seminar/Training on Quality System in Higher Education	Anna University, Chennai.
06.03.14 & 07.03.14	B.Vinoth M.Kirthika Devi K. Pushparaj C.Palanichamy	FDP	Linux Expert System	K.L.N College of Information Technology, Madurai.

**Electronics and Communication Engineering**

<b>Date</b>	<b>Name of the Faculty</b>	<b>Seminar/ FDP/ Workshop/ Conference</b>	<b>Title</b>	<b>Venue</b>
06.11.15 & 07.11.15	R.Mangalam	Workshop	Microwave Through Software	National Institute of Technology, Trichy.
13.06.16 to 19.06.16	R.Mangalam	FDP	EC 6305 - Transmission Lines and Waveguides	University College of Engineering, Dindigul.

29.09.16 & 30.09.16	R.Mangalam	Workshop	NAAC Awareness Seminar/Training on Quality System in Higher Education	Anna University, Chennai.
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**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

The college supports for any effort that allow teachers in empowering them.

- All the staff members are permitted to attend
  - International/National conferences
  - Workshops & Seminars
  - Faculty development programmes
- Faculty members are encouraged to register for their higher studies.
- All the staff members are encouraged to apply for Research Projects, offered by DAE, UGC, CSIR, DRDO and DST.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

- Many faculties of our college are rewarded for presenting technical papers in various conferences conducted by external institutions.
- The Institutional culture is encouraging the faculty members for excellence in teaching.
- The management acknowledges the professional achievement of the faculty.
- Faculties have received awards from various agencies for their teaching and research activities.
- College provides OD, TA/DA for delivering lecture in other institutions.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

- Yes. Feedback system for the assessment of the faculty members is in place.
- External Evaluation of teacher will be done at the time of recruitment by the external subject expert.

- A feedback on the usefulness of the teaching practices is received from the students.
- Feedback on University question paper is collected from the faculty members.
- Class committee meeting is conducted twice in a semester, to discuss the effectiveness of teaching-learning process. The corrective measures are taken according to the needs received from the students.

## 2.5 Evaluation Process and Reforms

### 2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- Anna University regulations and evaluation are instructed to the students and faculty members in orientation programs.
- Internal Assessment Examinations and model examination schedules are displayed in the notice board and informed to the students through circular.
- Evaluation process is discussed in class committee meeting and the details are given below:

Examinations	Marks		
	Internal	External	Total
Theory Exams	20	80	100
Practical Exams	20	80	100
Project work	40 (Continuous Assessment)	160	200

- For the University examination of both theory and practical courses, including project work, the internal and external examiners are appointed by the university.

### 2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- College is affiliated to Anna University, Chennai, and it is indebted to stick to the evaluation process implemented by the university.
- The faculty enters attendance details and Internal Assessment marks of the students in the Anna University Web portal as per the schedule given by the university.
- Examiners for the practical examinations and project viva voce examinations are appointed by the university.
- The students see their internal marks in university web-portal after every assessment entry.

### 2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- Absolute internal assessment and evaluation system is maintained in the college.
- Internal assessment tests are conducted by the exam cell.
- Answer sheets are evaluated as per the guidelines of the university.
- Examination cell is functioning with faculty members from each department,
  - To conduct the university exams
  - To conduct internal exams
  - Arrangement of question papers
  - Scheduling the examinations
  - Seating arrangement
  - Invigilators for all internal examinations

### 2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Assessment Details	Theory Exams	Practical Exams	Project work
Internal Marks	20	20	40
External Marks	80	80	160
Total Marks	100	100	200

#### Formative approach

- Assignments,
- Tutorial Session,
- Seminar,
- Class interactions during teaching,
- Group discussions,
- Workshops/Seminars,
- Overall attendance.

#### Summative Assessment

- Written Exams,
- Practical Exams,
- Comprehensive Viva voce,
- Project work.

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

- Examination Cell conducts the assessment test and evaluation process and it ensures the rigor and transparency in the process.
- The Internal marks obtained and attendance details are displayed in the notice board for the students to ensure rigor and transparency in the internal assessment.
- Students are given suitable suggestions for improvements.
- All the students are familiarized about the transparency in internal assessment.
- Each test scores 20 marks through internal assessments and 80 marks from end semester examination.
- Internal marks are calculated from the internal assessment test and the attendance secured by the student.

**2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?**

These following graduate attributes are attained through an academic curriculum, co-curricular and Extra-curricular activities.

- Engineering Knowledge
- Analyzing Complex
- Design Solutions
- Research based knowledge
- State of Art labs
- Professional Engineering Practice
- Professional and Ethical Responsibility
- Individual and Team work towards achieving common goal
- Effective communication
- Communication skills development
- Soft skills development
- Technical competency development

**2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

- The evaluated answer scripts of internal examination are distributed to the students in the classrooms by the subject in-charge.
- The subject in-charge discuss with the students regarding the evaluation.
- All students have easy access to the faculty members and can seek clarification for any doubt regarding the evaluation.
- Grievances, regarding evaluation can be taken to the notice of the HOD.
- For external examination, students are encouraged to apply for revaluation.

**2.6. Student performance and Learning Outcomes**

**2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?**

Yes, the Institution has clearly stated learning outcomes.

- It is circulated to all the students and faculty members through brochures, newsletters, college website, and display in departments.
- The learning outcomes are intimated to the Parents through letters and SMS.
- The Vision and Mission are disseminated to the fresh students and their parents every year during the Induction Programme.
- Course objectives and course outcomes are discussed by the subject in charge along with the lesson plan to the students.

**2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

- The internal Examination and model examination are conducted and result analysis for each subject is done by the departments.
- The student attendance percentage, internal examination marks and University result are sent to the parents by post and SMS.
- The communication between the students and parents is improved by organizing regular parents meeting.
- Test analysis for internal examinations and University examinations are analyzed.
- The student's profiles are updated by mentor with their performance and the class advisors and mentor monitor their performance.



- The mentor monitors and communicates the progress and performance of the students to parents, HOD and Principal.

Year	Department	No. of Students Appeared	No. of Students Passed	Pass %
2016	Mech	128	87	67.96
	EEE	103	44	42.71
	Civil	67	43	64.17
	CSE	86	52	60.46
	ECE	45	30	66.66
	M.E - Mfg	6	5	83.33
	M.E - PED	5	5	100
	M.E - PED (P.T)	2	2	100
	M.E - Structural	10	8	80
	M.E- CSE	5	2	40
	M.E-CSE (PT)	2	2	100
	M.E-CMMN	9	8	88.89
2015	Mech	116	86	74.13
	EEE	102	41	40.19
	Civil	72	50	69.44
	CSE	87	29	33.33
	ECE	48	31	64.58
	M.E - Mfg	20	20	100
	M.E - PED	13	10	76.9
	M.E - PED (P.T)	2	1	50
	M.E - Structural	19	16	84
	M.E- CSE	6	4	66.66
	M.E-CSE (PT)	1	1	100
	M.E-CMMN	19	18	94.7
2014	Mech	75	65	86.66
	EEE	142	73	51.4
	Civil	21	14	67
	CSE	87	65	75
	ECE	69	49	71.01
	M.E - Mfg	17	17	100
	M.E - PED	8	2	25.0
	M.E - PED (P.T)	2	1	50

	M.E - Structural	21	14	67
	M.E- CSE	31	27	87.09
	M.E-CSE (PT)	3	1	33.33
	M.E-CMMN	15	15	100
2013	Mech	65	54	83.07
	EEE	164	71	43.29
	Civil	-	-	-
	CSE	132	102	77.27
	ECE	59	42	71.18
	M.E - Mfg	18	18	100
	M.E - PED	-	-	-
	M.E - Structural	-	-	-
	M.E-CMMN	-	-	-

**University Rank holders**

Sl. No.	Department	Name of the Student	University Rank	Academic Year
1	M.E. Mfg.	A.Areef	1	2011-2013
2	M.E. Mfg.	U.Rahul	2	2011-2013
3	CIVIL	R.Karthik Kumar	18	2014-2015
4	EEE	SP.Latha	22	2012-2013
5	EEE	S.Vignesh	50	2011-2012
6	CSE	M.S.Nithya	40	2013-2014
7	CSE	D.Rethina	44	2013-2014
8	CSE	V.Bhuvaneshwari	4	2014-2015
9	CSE	R.Malarvizhi	36	2014-2015
10	CSE	M.Pavithra	41	2014-2015
11	ECE	M.Vinothini	31	2010-2014
12	ECE	R.Meenal	32	2010-2014
13	M.E. (CS)	R.Gayathri	38	2013-2015
14	M.E. (CS)	D.Rajeshwari	44	2013-2015
15	M.E. (CS)	M.Suganya	45	2013-2015
16	M.E. (CS)	B.Deepalakshmi	26	2014-2016

**2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

- Structured strategies for the achievements of the intended learning outcomes are followed for the better student outcome.
- Internal marks of the students are displayed in the notice board.
- Internal marks, internal examination mark and attendance percentage are communicated to their parents through post and SMS.

- Marks are also entered in the University web portal.
- Students are participating in seminars, workshops and paper presentation for their learning aspects.

**2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

- In-house Training and Placement cell provides Training in soft skills and placement assistance for students.
- Placement training hours are provided to the students and it is implemented in the regular academic time table.
- College encourages the students to present and publish their research in international conferences and journals.
- Organized technical symposiums, workshops and conferences for the students and faculties to express their innovative ideas.
- Students are encouraged to participate in various club activities to promote their social skills.

**2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

The institution collects and analyzes the data on student learning outcomes and overcoming barriers of learning is given below:

- Review Meetings are conducted after each internal examination.
- Internal assessment tests and University examinations results are analyzed to know the performance of the students and faculty members.
- The slow learners are identified through results analysis of Internal examination.
- Coaching classes for slow learners are conducted to perform well in university exams.
- Parents meeting are conducted and the feedbacks from the parents are taken as an input for learning.

Chart 2.6.5 Test wise marks statement maintained by faculty (sample)

**CHENDHURAN**  
College of Engineering and Technology  
Pilivalam (Po), Thirumayam (Tk), Pudukkottai (Dist) - 622 507  
**IV YEAR - B.E/B.Tech (2013-2017)**  
**B.E - Electrical and Electronics Engineering**  
**VII Semester - I, II, III, IV & V Unit Test / Model Exam Mark Statement**  
Subject code & subject name: **EE6005 - POWER QUALITY**

Sl. No.	Roll No.	Register No.	Name of the Student	Unit Test I (100)	Unit Test II (100)	Unit Test III (100)	Unit Test IV (100)	Unit Test V (100)
1	13EE01	910313105001	ALAGUMEENAL M	60	37	59	71	52
2	13EE02	910313105002	ANUSUYA M	34	50	62	40	43
3	13EE03	910313105003	ARUNKUMAR R	02	34	51	-a-	50
4	13EE04	910313105004	BALASUBRAMANIAN C	54	50	54	65	46
5	13EE05	910313105005	ISWARYA K	76	-a-	50	59	43
6	13EE06	910313105006	KALAISELVAN T	72	70	72	52	67
7	13EE08	910313105008	KEERTHANA S	50	66	66	67	56
8	13EE09	910313105009	LAVANYA R	60	58	65	77	67
9	13EE10	910313105010	MANONMANI V	50	55	50	54	35
10	13EE11	910313105011	MOHAMED GANI A	51	40	56	62	61
11	13EE12	910313105012	PARVATHI SP	80	74	55	68	61
12	13EE13	910313105013	PONNUTHEVAR G	50	51	52	71	61
13	13EE15	910313105015	RAJATHY K	67	70	80	66	53
14	13EE16	910313105016	RAMESH N	74	70	79	67	65
15	13EE17	910313105017	REETA A	82	88	90	80	69
16	13EE19	910313105019	SAJEEVAN A	62	54	65	70	51
17	13EE21	910313105021	SINDHUPRIYA AL	74	66	74	60	73
18	13EE22	910313105022	SUGANYA N	60	55	71	73	52
19	13EE23	910313105023	THANGAM D	22	14	60	70	65
20	13EE24	910313105024	UMMU SALMA O	68	71	71	74	61
21	13EE25	910313105301	PANDI PRIYA. R	22	26	50	53	41
22	13EE26	910313105302	RAJADURAL C	52	57	52	61	58
23	13EE27	910313105303	RAJKUMAR. R (07.03.1995)	36	53	70	70	55
24	13EE28	910313105304	RAJKUMAR. R (18.06.1995)	52	38	67	69	50
25	13EE29	910313105305	SATHISHKUMAR. S	40	62	61	69	56
26	13EE30	910313105306	SIVASUNDARAM. R	10	18	26	27	41
27	13EE31	910313105307	VIGNESH. M	42	52	63	62	67
28	13EE32		SHANMUGAM. S	24	53	54	55	50

Signature and Name of the Staff  
P. PRAKASH AYYAPPAN

## 2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

- The Institution has a planned mechanism for monitoring the achievement of learning outcomes.

- Internal tests performance, co-curricular and extra-curricular activities ensure the achievements of the learning outcomes.
- The semester plan is designed in the beginning of the semester which has a detailed schedule of internal assessment tests and completion of syllabus.
- Unit wise tests and model exams are conducted and it is circulated to students well in advance.
- Attendance of the student is calculated before every assessment period and it is up loaded in the University web portal for the student's information.

**2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

Yes. The institution and the individual teacher use assessment/ evaluation outcomes as an indicator for evaluating student's performance, achievement of learning objectives and planning.

- Faculty members plan the course at the beginning of every semester.
- Conducting unit test and model exam is used to evaluate the student's performance in the semester.
- Internal tests are conducted five times per semester.
- Faculty members are known about the student's performance after the first Internal test valuation is completed.
- Marks and attendance percentage are informed to their parents.
- Result analysis meeting and class committee meetings are used to evaluate the student's performance in program outcome.
- The shortcomings in outcomes are identified by the feedbacks received from the faculty members in Class committee meetings and Department meetings.

**Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

Nil

## CRITERION – III: RESEARCH, CONSULTANCY AND EXTENSION

### 3.1 Promotion of Research

#### 3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Two Departments are recognized as research centers by the affiliating university- Anna University, Chennai.

**Table 3.1.1 Research Departments**

Department	Year	Recognition Number
Mechanical Engineering	2016	4392617
Chemistry	2016	4392604

#### 3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the institution has a research committee to monitor research activities in the campus. It has established a special R&D cell which monitors research projects and also guides budding engineers on various innovative projects. It also maintains hardcopies of thesis, dissertations, paper publications, reference materials, copies of research journals and provides help on research activities. For research purpose the following committee is constituted.

**Table 3.1.2 Research Committee**

Name of the faculty	Position
Dr. A. Naveen Sait	Principal and Convener
Dr. M. Ravichandran	Professor and Member
Dr. M. Pandikrishnan	Professor and Member
Dr. V.S. Vidhya	Associate Professor and Member
Dr. R.Velmurugan	Associate Professor and Member

#### Functions and Recommendations of R&D Committee are

- To promote R&D Consultancy in all the Departments.
- To organize Workshops/Seminars, Conferences in all the departments.
- To encourage the faculty and students to participate in workshops/conferences.



- To encourage the faculty members to undertake minor and major research projects under various funding agencies.
- To encourage the faculty and students to publish research articles in various National and International Journals.
- To monitor the progress of all R&D activities semester wise / year wise.

### 3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes /projects?

The R&D Committee of the institution involves in the following ways to see the progress of research:

- By giving autonomy to the Principal investigator.
- By releasing resources in time.
- By providing adequate infrastructure and human resources.
- By supporting technology and information resources.
- By providing special leaves and reducing workload etc.

In addition to that, the college provides financial and moral support to the faculty members by providing a special budget allocation to cater to the needs for participating and publishing papers in national / international conferences/journals. The institution has allotted a special budget to develop infrastructure, computer facilities and technologies for the researchers.

**Table 3.1.3 Journals–Central Library**

Department	No of journals	
	National	International
Mechanical Engineering	6	6
Electrical and Electronics Engineering	6	6
Civil Engineering	6	6
Computer Science and Engineering	6	6
Electronics and communication Engineering	6	6
Manufacturing Engineering	5	5
Power Electronics and Drives	5	5
Structural Engineering	5	5
Computer Science and Engineering (PG)	5	5
Communication Systems	5	5

### 3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- Regular guidance is given by the faculty members to the students in order to take participation in the national and international conferences/workshops.
- College has been conducting national level technical symposium every year for the development of students in all aspects. The event includes paper presentation, technical quiz, poster presentations, project exhibition etc. These kinds of events will strengthen the student's attitude towards research and leadership.
- The research labs are well equipped to meet the needs of both UG and PG scholars.
- The College also conducts workshops/seminars at department level to create awareness of latest and recent trends in engineering and technology.

**Table 3.1.4(a) Student's Publications in Journals and Conferences**

<b>Student Publications</b>	<b>Civil</b>	<b>CSE</b>	<b>ECE</b>	<b>EEE</b>	<b>Mechanical</b>
Journals	06	14	18	01	06
International	22	16	21	10	45
National	06	01	-	07	11

**Table 3.1.4(b) Student's Participation in Technical Events:**

#### **Awards and Recognition:**

#### **Department of Civil Engineering (2016)**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
S.Manikandan	CADD Drawing (II Prize)	JJ College of Engineering & Technology.
V.Soundarya	CADD Drawing (II Prize)	Anna Poorna College of Engineering & Technology, Salem.
V.Sivapriya	Model Making (I Prize)	
VR.Lakshmanan	CADD Drawing (I Prize)	
VR.Lakshmanan	Quiz Competition (I Prize)	
S.Manikandan	Quiz Competition (I Prize)	
N.Muthappan	Code Cracking (I Prize)	PRIST University, Tanjavur
P.Madhumitha N.Srimeena	Quiz Competition (I Prize)	



Year: 2015

**Department of Electrical and Electronics Engineering**

Name of the Student	Title	Organization Name
M.Manikandan V.Sowmiya	Paper presentation	Anna Poorna College of Engineering & Technology, Salem.

**Department of Computer Science Engineering (Year: 2013)**

Name of the Student	Title	Organization Name
P.Santhia Rajalakshmi	Best Participant Award	National Network Security Championship

**Project EXPO:****Department of Computer Science Engineering (Year: 2016)**

Name of the Student	Title	Organization Name
M. Kannan	Best Project Award	Innovation

**Department of Electrical and Electronics Engineering (Year: 2016)**

Name of the Student	Title	Organization Name
K.Rajathy A. Reetta SP. Parvathi	Gas Sensor Alarm	STYLUS'16 Organized by EEE Department of Chendhuran College of Engineering and Technology.
M.Vignesh R. Rajkumar	Inverter Circuit	

**Symposium:****Department of Computer Science and Engineering (Year: 2015 & 2016)**

Name of the Student	Title	Organization Name
M.Kannan	Web Designing	National Level Technical Symposium'16 at BIT Campus, Anna University
S.Rajamanickam	Quiz	National Institute of Technology, Trichy

**Department of Electronics and Communication Engineering****Paper Presentation Year: 2015**

Name of the Student	Event Attended
M.Sophiababu, G.Padmashri R.Jansi Rani, M.Marikkannu R.Anbarasi	National level Technical Symposium Silicon Seeds

**Department of Electrical and Electronics Engineering****Paper Presentation Year: 2016**

<b>Name of the student</b>	<b>Name of the College</b>
A.Mohamed Gani R.Rajkumar	STYLUS'16 , Chendhuran College of Engineering and Technology, Pudukkottai
S.Shanmugam A. Mohamed Gani	Bicycle based recycling using re energy by DC Generator, Kings College of Engineering, Pudukkottai.

**Department of Mechanical Engineering****Year: 2016**

<b>Name of the student</b>	<b>Event</b>	<b>Name of the College</b>
S.Kalaiselvam	International Mechanical Symposium Mechnovate'16	Mechnovate'16 at VIT University.
S.Kalaiselvam	ACISTECH'16 Event- CADD	2 <sup>nd</sup> National Level Technical Symposium Conducted by ISTE Students Chapter TN 156.

**In Plant Training****Department of Electronics and Communication Engineering****Year: 2014**

<b>Name of the Student</b>	<b>Organization Name</b>
K.Bhuvaneshwari R.Jahirabanu	HCL Limited

**Department of Electrical and Electronics Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Organization Name</b>
G.Ponnuthavar, M.Vignesh R.Rajkumar, N.Ramesh, C.Rajadurai R.Rajkumar, R.Sathish Kumar	TNEB - Pudukkottai Substation

**Department of Mechanical Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Organization Name</b>
S.Dinesh A.Sathish R.Jegatheesh S.Kalaiselvam	Bharath Heavy Electronics Limited, Trichy

**Department of Structural Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Organization Name</b>
V.Kannan	Chirpi Engineers and Builders
M.Abibharathi	IDZHAL Infrastructures
K.Kalaivanan	A Good Luck Construction
R.Sundareshwaran	Raja Builders
S.Arokiaraj	VJ Builders
J.Esther Baby	MS Construction Project Pvt. Ltd
R.Kayalvizhi	IDZHAL Infrastructures
P.Renuka	CG Sky World Engineers and Construction
S.Vidhya	Selva Construction
H.HadilArshad	Abirami Engineering Construction

**Year: 2015**

<b>Name of the Student</b>	<b>Organization Name</b>
M.Kayalvizhi	AK Builders Pvt. Ltd.
M.Banumathi	Velmani Builders Pvt. Ltd.
C.Navaneethakrishnan	Landmark Construction
P.Sudhakar	AARCO Builders
J.Sharmila	Shiva Construction
V.Sabareeswari	Traditional Builders
A.Venkatesan	SSS Construction
S.Shandhini	SK Builders
P.Dennis Flora	Indra Builders

**Year: 2014**

<b>Name of the Student</b>	<b>Organization Name</b>
MR.Aishwarya, B.Suganya G.Anamika, M.Priyanka	Vee'x Consultants
R.Yogalakshmi	Srinivasa Associates Private Limited.
N.Ramji	SristiShealters and Realtors Pvt. Ltd.
V.Muralikrishnan	Valliyammai Builders Pvt. Ltd.
R.Ilakkiya	PWD, Building Construction & Maintenance
P.Rajapandian	Dynamic Infrastructure
R.Priyanka	Simpcon Developers

**Workshops:****Department of Computer Science Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
J.Vijayalakshmi C.Suganya, K.Srividhya A.Dinesh	The Art of Scientific Writing (ASW'16)	Centre for Research, Chendhuran College of Engineering and Technology, Pudukkottai.

**Department of Electronics and Communication Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
T.Aishwarya	One day workshop on antenna design	Kongunadu Engineering College, Trichy
A.Alamelu Mangai A.Christy Renilda G.Padmashri, B.Saranya A.Saranya, A.Saravanan T.Thanalakshmi, V.Viji V.AlaguShanmugaraj	One day workshop on antenna software's and design	Chendhuran College of Engineering and Technology, Pudukkottai.

**Department of Electrical and Electronics Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
K.Rajathy, G.Kajeena, M.Sangavi, M.Anusuya, M.Umamaheshwari, M.Divya Bharathi, A.Reetta, SP.Parvathi, R.Rajkumar, M.Marimuthu, A.Sithanathan, A.Sajeevan	The Art of Scientific Writing (ASW'16)	Centre for Research, Chendhuran College of Engineering and Technology, Pudukkottai.
S.Shanmugam, M.Vignesh, R.Rajkumar	Arduino and Raspberry PI	Coimbatore Institute of Technology, Coimbatore.

**Year: 2015**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
D.Thangam, K.Rajathy, G.Ponnuthavar, M.Vignesh, M.Alagumeenal, A.Reetta, M.Anusuya, SP.Parvathi, R.Rajkumar, S.Keerthana, R.Rajkumar, N.Ramesh, A.Sajeevan	Modelling and Simulation of Power Electronics and Drives	Chendhuran College of Engineering and Technology, Pudukkottai

**Department of Mechanical Engineering****Year: 2016**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
S.Kalaiselvam	"Mettle 2016"	National institute of technology, Tiruchirapalli
S.Kalaiselvam	Industrial Automation Technology	Axis Global Institute of Industrial Training at Trichy.
T.Rajkumar, C.Kamaraj D.Neelakandan, G.Suresh A.Manojkumar, M.Jaiganesh R.BazeerAhamed, M.Indirakumar	The Art of Scientific Writing (ASW'16)	Centre for Research, Chendhuran College of Engineering and Technology, Pudukkottai

Muthukumar Rajagopal	Workshop on Welding Technology with Industrial Visit	CARE Group of Institutions, Trichy
R.Palanikumar T.Rajkumar C.Selvakumar	Workshop on Transmission Systems	Dept of Production Engineering, Govt College of Engg- Coimbatore
S.Mithin, C.Kamaraj G.Suresh , B.Muthukumar S.Sutharsan, A.Manojkumar M.Jaiganesh, M.Indirakumar R.BazeerAhamed R.Ganapathi Subramanian	One day International Workshop on IC Engines Assembling (Gears-2016)	Top Engineers, Pondicherry
R.BazeerAhamed A.Manojkumar S.Thanakkumar S.Sathiskumar	One day hands- on training TIG & MIG Welding	K.Ramakrishna College of Technology, Samayapuram.
A.AbdulSamathu	MEXTREME'16	Shanmuganathan Engineering College, Pudukkottai
T.Rajkumar	"LIFE THROUGH THE LENS"	Chendhuran College of Engineering and Technology, Pudukkottai

**International and National Conference**

**Department of Manufacturing Engineering**

**Year: 2015**

<b>Name of the Student</b>	<b>Title</b>	<b>Organization Name</b>
M.Sivasubramanian, P.Surulimani M.Thirunavukarasu, M.Karthi A.Karthickraja, P.Manoprabu M.Meignamoorthy, S.Vinoth S.TamilVendan, N.Sabarirajan K.Panneerselvam, S.Akhil S.Sakthivelu, S.Rajapandian B.Premkumar, SP.Palaniappan C.Johnjoshua, Ibish T Sunny P.AlaguSundaram	International Conference on Technological Development in Engineering	Chendhuran College of Engineering and Technology, Pudukkottai.
S.Jeyalakshmi Roshan George Paul Abraham Naveen Narayanan P.Santhosh	International conference on applied engineering and technology. ICAAET - 2015	Syed Ammal Engineering college, Ramanathapuram.

Year: 2014

Name of the Student	Title	Organization Name
G.Hariharasudhan S.Dinesh Kumar S.Sreejith	International Conference on Innovations in Science, Engineering, Technology and Management	Paavai College of Engineering.
K.Subramanian SakkeerKalliyath Jinumathew Jineesh P S	Manufacturing and industrial technologies (NCMIT 2014)	Calicut University Institute of Engineering and Technology, Malappuram, Kerala.
R.Sivanesan	National Conference on Recent Advances in Mechanical Engineering (RAME 2014)	M.P.N.M.J Engineering College, Chennimalai.
B.Sivakumar	National Conference on Emerging Trends in Mechanical Engineering.	Satyam College of Engineering and Technology, Kanyakumari.
Sachine Jose Faizal P M	National Conference on Emerging Trends in Mechanical Engineering and Mechanics	SreeNarayana Guru Institute of Science and Technology, N.Paravur.
M.Arunagiri	International Conference on Trends in Engineering	Tamizhan College of Engg & Technology, Kanyakumari.

**Department of Structural Engineering**

Year: 2016

Name of the Student	Title	Organization Name
M.Banumathi V.Sabareeswari S.Shanthini	International Conference on Advance in Engineering Science and Technology (ICAEST)	SBM College of Engg & Tech., Dindigul.
M.Kayalvizhi, A.Venkatesan C.Navaneetha Krishnan J.Sharmila, P.Sudhakar	International Conference on Concrete Vision for Humanity.	Ranganathan Engg College, Coimbatore.

P.Dennis Flora	National Conference on Innovative Research and Developments in Civil Engineering	EGS Pillay Engg College, Nagapattiam.
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Year: 2015

Name of the Student	Title	Organization Name
R.Lingajothi	International Conference on Futuristic Trends in Civil Engineering.	Thiruvalluvar College of Engg and Tech., Vandavasi.
G.Anamika, M.C.Vishalakshi T.Senbagam, B.Suganya M.Priyanka S.YashmeenSulthanaBarveen	International Conference on Emerging Trends in Engineering and Technology	PandianSaraswathi Yadav Engg College, Arasnoor, Sivagangai.
B.Brinda Devi MR.Aishwarya	International Conference on Advances in Emerging Technology (ICAET)	Jaya Engg College, Chennai.
R.Ilakkiya	International Conference on Emerging Research in Engineering Science & Technology (ICEREST)	Kalaivani College of Technology, Coimbatore.
T.Mangaiarkarasi	Innovations in Concrete and Construction	Sona College of Technology, Salem.
N.Ramji A.Suthanthirakumar	International Conference on Aeronautical, Mechanical and Civil Engineering	Rajas Engg College, Tirunelveli.
P.Arunkumar J.Shalini	New Techniques in Civil Engineering CONTEMPO CIVITECH.	Nadar Saraswathi College of Engg & Tech., Theni.
S.Venkatesh , S.Azhagumathi R.Yogalakshmi, P.Rajapandian	International Conference on Advance in Emerging Technology	Jaya Engg College, Chennai.
R.Priyanka	National Conference on Recent Trends in Civil Engineering	Shanmuganathan Engineering College, Pudukkottai.
V.Muralikrishnan	New Techniques in Civil Engineering CONTEMPO CIVITECH.	NadarSaraswathi College of Engg & Tech., Theni.
T.Senbagam S.YashmeenSulthana M.C.Vishalakshi J.Shalini	International Conference on Technological Developments in Engineering (ICTDE)	Chendhuran College of Engineering and Technology, Pudukkottai.



### Department of Power Electronics and Drives

**Year : 2016**

Name of the Student	Title	Organization Name
SU.Janani, P.Balasubramaniyan K.Gnanakumar, R.Venkatesh	National Conference on Modern Emerging Engineering Trends (MEET 16)	PGP College of Engineering and Technology, Namakkal.
MP.AnbuPriya, PR.Rajalakshmi K.Sumathi	ICETET 16	Pandian Saraswathi Yadav Engineering College , Sivagangai.

**Year : 2015**

Name of the Student	Title	Organization Name
Dhanyamol Thankachan Drisya Sundhar, B.Hemapriya P.Karikalan, J.Saravanan S.SathishKanna, R.Uma	International Conference on Technological Developments in Engineering (ICTDE 15)	Chendhuran College of Engineering and Technology, Pudukkottai.
B.Hemapriya	National Conference on Energy Conservation & Control in Electrical Engineering Applications	Kings College of Engineering Pudukkottai.
J.Saravanan	National Conference on Innovations in Science Engineering & Technology	Podhigai College of Engineering and Technology, Vellore.

### 3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual / collaborative research activity, etc.)

**Guiding students:** The faculty member at under graduate level takes all steps to guide them for in house projects and also supports PG students to publish articles/ papers in national/ international journals.

**Research Projects of Faculty:** The institution has rich experienced faculty in R&D and with this advantage some of the faculty has already applied some innovative abstracts to the funding agencies for the sanction of research funds.

Table 3.1.5 (a) Faculty involvement in R &amp; D Activities

**Research Supervisors: Engineering**

Name of the Research Guide	Dept	University	Supervisor Recognition Number	No. of Scholars Completed Ph.D.	No of Scholars Pursuing Ph.D.
Dr.A.NaveenSait	Mechanical	Anna University	2420289	3	9
Dr.M.Ravichandran	Mechanical	Anna University	2520041	-	5
Dr.V.S.Vidhya	Chemistry	Anna University	2670071	-	-
Dr.R.Vel Murugan	Chemistry	Anna University	2570014	-	-

**Faculty Pursuing Research**

Department	Name of the Faculty	University
Mechanical Engineering	Mr.N.Rajakumar Mr.K.Ramasamy Mr.R.Ashokkumar Mr.S.G.Shelvaraj Mr.S.Dinesh kumar Mr.P.Suresh Mr.R.Narayanan Mr.M.Subash Mr.N.Sabarirajan	Anna University, Chennai
Computer Science and Engineering	Mr. S. Karthick Mr. C.Palanichamy Mrs. M.Kirthika Devi	
Civil Engineering	Mr.R.Greesan Mr.B.Rajesh	
Electrical and Electronics Engineering	Mr.B.PrakashAyyapan Mr.U.Thirupatthi	
	Mr.L.Rajamohan	St.Peter's University
Mathematics	Mrs. K.Nithya	Bharathidasan University

Table 3.1.5 (b) Research Proposals Submitted by faculty

Department	Title of the project / Programme	Name of the Funding Agency	Faculty Name	Year
Mechanical	Establishment of Micro machining characteristics for various materials using ECM	Department of Science and Technology	Dr.A.NaveenSait & Dr.M.Ravichandran	2015
Chemistry	Preparation of high purity and reactive nano silica material through hydro thermal process from rice husk agriculture waste	Department of Science and Technology	Dr.V.S.Vidhya	2015

**3.1.6 Give details of workshops/ training programmes / sensitization programmes conducted / organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

The institution has organized several Faculty Development Programs, Conferences with the financial support of management. The following is the list of workshops/ seminars conducted by the college for the benefit of UG, PG students, Research Scholars and faculty members.

**Workshops:**

**Computer Science and Engineering**

**Table 3.1.6 (a) List of workshops / training programmes / sensitization programmes conducted / organized by the institution**

Name of the workshop	Period	Resource Persons
National Network Security Championship (NNSC)	11.10.13 & 12.10.13	Mr. Vikas Kumar, Network Bulls, Haryana.
Android Technology	05.03.15 & 06.03.15	Mr. G.Parthasarathy Approtech Solutions, Thillai Nagar, Trichy.
Fundamentals of SDLC	22.07.16 & 23.07.16	Mr. R.Karthikeyan, HCL Technologies, Chennai.

**Electronics and Communication Engineering**

<b>Name of the workshop</b>	<b>Period</b>	<b>Resource Persons</b>
Hands on Training on Antenna software's and design	23.07.16	Prof. B. Anandhi Meena CEO, GK Antenna Pvt.Ltd Chennai.
PCB layout Design	10.09.16 11.09.16 17.09.16 18.09.16 24.09.16 25.09.16	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan Innovations Pvt. Ltd, Chennai.

**Electrical and Electronics Engineering**

<b>Name of the workshop</b>	<b>Period</b>	<b>Resource Persons</b>
National level workshop MATLAB/OTRIX	04.10.2013	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan Innovations Pvt. Ltd, Chennai
Modeling and Simulation of Power Electronics and Drives	20.03.2015	Dr. S.Senthilkumar, National Institute of Technology, Trichy
VINGYAN-16	06.02.2016	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan Innovations Pvt. Ltd, Chennai
Electronics Based System Design	23.07.2016	Prof.M.Vijaykumar, EGS PillayEngg College, Nagapattinam
PCB layout Design	10.09.16 11.09.16 17.09.16 18.09.16 24.09.16 25.09.16	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan Innovations Pvt. Ltd, Chennai.

**Research & Development**

<b>Name of the Workshop</b>	<b>Period</b>	<b>Resource Persons</b>
The Art of Scientific Writing (ASW'16)	27.08.2016	Dr.R.Jeyavel, Director, Centre for Research, Anna University, Chennai.  Dr.V.Balasubramanian Annamalai University, Chidambaram.

**Seminar:****Civil Engineering**

<b>Name of the Seminar</b>	<b>Period</b>	<b>Resource Persons</b>
Concrete Technology	17.03.2014	Dr.B.Vidivelli, Professor, Annamalai University, Chidambaram.
Highway Engineering	26.02.2015	Er.Shanmughasundarabhoopathy Addl.Div.Engineer, Highways, Pudukkottai
Pre-stressed Concrete	09.04.2015	Dr.P.V.Ramana, Professor, MNIT, Jaipur.
Concrete Structures	10.04.2015	Dr.R.Thenmozhi, Professor, Anna University, Coimbatore.
Latest Building Technology	15.03.2016	Er.K.Basheer Mohamed, Managing Director, Shabee Constructions.
Applications of Software's in Civil Engineering	23.07.2016	Mr. Victor Jebaraj, CADD Centre , Pudukkottai.
Basics in Civil Engineering	17.09.2016	Mr.Senthil Kumar, Apollo Education, Pudukkottai.
Field Practice in Civil Engineering	30.09.2016	Mr.N.Subramanian & Mr.K.Basheer Mohamed, FACEAT, Pudukkottai.

**Computer Science Engineering**

<b>Name of the Seminar</b>	<b>Period</b>	<b>Resource Persons</b>
SWOT Analysis	14.03.2013	Mr. P.Manoharan Deputy General Manager, BHEL
Ensuring Safe Work Environments	14.03.2014	Mr. R.Bhaskaran HR Business Development Consultancy, Intensity, Chennai.
Leadership During Times of Complexity and Change.	23.02.2015	Mr. A.Karthick Team Leader, HR & Development, Polaris Chennai.
Broadcast technology.	12.03.2016	Mr. S.Rajendran, Divisional Engineer, BSNL – Pudukkottai.

**Electrical and Electronics Engineering**

Name of the Seminar	Period	Resource Persons
Tamil Wikipedia organized by Nanba Arakatalai	28.10.2013	Mr.Prince Ennaras Periyar Kalaigarnar Muthunilavan
Utilization of electrical energy	11.03.2015	Dr.R.Kanimohzi, Anna University, Trichy.
Renewable Energy Resources	13.08.2016	Dr.S.Senthilkumar, Natioanl Institute of Technology, Trichy.

**Project Expo****Electronics and Communication Engineering**

Name of the Project	Period	Resource Persons
Geo stationary satellite space model	04.10.2016 to 10.10.2016	Mr. A.Saravanan Mr.K.Sathish Kumar World space week organized by Satish Dhawan Space Centre

**Technical Events:****Computer Science Engineering**

Name of the Event	Period	Resource Persons
Froyomars'16	12.03.2016	Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.
Winprosys'15	23.02.2015	Mr. A.Karthick, Team Leader, HR & Development, Polaris, Chennai.
Chenvista'14	14.03.2014	Mr.R.Bhaskaran, Business Development Consultancy, Pudukkottai.
Chenxplore'13	14.03.2013	Mr. R.Manoharan, Deputy Manager, BHEL, Trichy.

**Electrical and Electronics Engineering**

Name of the Event	Period	Resource Persons
Chenxplore'13	09.03.2013	Mr. P.Manoharan, Deputy General Manager, BHEL, Trichy.

STYLUS 2K14	12.03.2014	Mr.K.Sahayaraj. AE,TNEB, Pudukkottai.
STYLUS 2K15	24.02.2015	Mr. S.Baskaran, AE, TNEB, Pudukkottai.
STYLUS 2K16	11.03.2016	Dr.R.Kanimohzi, Anna University-BIT Campus, Trichy

**Mechanical Engineering**

Name of the Event	Period	Resource Persons
Torsion'14	11.03.2014	Dr.G.Buvanasekaran, Additional General Manager, Welding Research Institute, BHEL, Trichy.
Torsion'15	27.02.2015	Mr.B.Balasubramanian. Additional General Manager, PPPU, BHEL,Thirumayam.
Torsion'16	16.13.2016	Er.K.Mahalingam, Manager District Industries Center, Pudukkottai

**Research & Development**

Name of the Event	Period	Resource Persons
International Conference on Technological Developments in Engineering	09.04.2015 & 10.04.2015	Mr.V.PonRaj, Scientist, Advisor to former president APJ Abdul Kalam.

**3.1.7 Provide details of organization research areas and the expertise available with the institution.**

List of faculty members and their prioritized research areas available with the institution:

**Table 3.1.7 Research areas and expertise available**

Name of the Research Guide	Department	Major Areas of Research
Dr.A.Naveen Sait	Mechanical Engg.	Production Engineering
Dr.M.Ravichandran	Mechanical Engg.	Manufacturing Technology
Dr.M.Pandikrishnan	Mechanical Engg.	Advanced Manufacturing
Dr. V.S. Vidhya	Chemistry	Materials Science
Dr. R.Velmurugan	Chemistry	Photo Chemistry

### 3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institution always takes a first step to encourage the faculty and students to develop themselves by interacting with eminent personalities and scientists by inviting them to the campus. The following are the eminent persons invited by various departments during the last 3 years.

**Table 3.1.8 List of sponsored Conferences / Seminars / Workshops / STTPS / FDTP**

Name of the Event	Source of Fund	Sanctioned Amount INR	Level
Electronics Based System Design	Self supporting	5000	State
Renewable Energy Resources		5000	State
International Conference on Technological Developments in Engineering		2,40,000	International
FDP on KAIZEN 2016		70000	Institution
Workshop on Art of Scientific Writing (ASW 16)		75000	National

### 3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Nil

### 3.1.10 Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- A digital library in the institution supports browsing various national/international journals through DELNET (Digital Library).
- The institution organizes project exhibitions, paper, and poster presentations in national level and invites students of other colleges for knowledge sharing.
- Conducting Departmental seminars among the students.
- Encouraging students to participate in various workshops, seminars etc



- Inviting familiar personalities to the campus which allows students to interact with them for the enrichment of their research knowledge.
- College Management is generous to pay the fee for the workshops and seminars in NIT's and IIT's.



Digital Library



Project Exhibitions and Paper Presentations

### 3.2 Resource Mobilization for research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

In the beginning of academic year the management takes steps to allocate 5 to 10% of institutional budget for the enrichment of research activities from the inception and such funds will be utilized only for the development of research facilities, projects, and paper presentations at national / international conferences.

**The major heads of expenditure of research includes:**

Incentives for publications, preparation of proposals, subscription for journals, books, organizing workshops, training programmes, seminars and conferences. Faculty

members are financially supported by the management in order to pay registration charges, travelling expenses to attend workshops, seminars and Incentives for their publications in reputed journals.

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

Yes. The college management regularly supports the faculty to participate in various National Level Conferences, Workshops, Seminars, Technical Events, and FDPs etc., to upgrade their knowledge at par with industrial standards.

**3.2.3 What are the financial provisions made available to support student research projects by students?**

The college management always encourages the students by supporting in all aspects to carry small projects in the college laboratories by permitting to purchase raw materials, instruments and equipments etc., For any innovative and useful project / model prepared by the students the college management supports to raise funds from the Research and Development budget based on the recommendation of department project review committee. TA and DA will be paid to the students for their paper presentations in prestigious institutes like IITs, NITs and University campus.

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.**

The college Faculty with the help of R&D committee takes on inter-disciplinary research. The Staff members and the students who are concerned in interdisciplinary research will interact with members of other department and discuss the technical feasibility to take time to time suggestions from the departments. It helps the researchers to complete their task in specific time.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

All the departments are provided with basic laboratories and infrastructure to carry out basic research in addition to that advanced lab equipment is proposed to purchase in each department and in each laboratory based on the type of research projects. The labs and other research facilities of the institution are always kept open for both students and faculty members beyond the official working hours. The campus is connected with full fledged LAN facility and is also installed with latest application

software packages. Our central library with central computational facility is provided with 32 Mbps shared internet connectivity, which is kept openly accessible. Students can always utilize the lab equipments and internet facility beyond the working hours.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If "yes" give details.**

Yes, the institution is having MOUs and understanding with local as well as Non Local industries to promote research activities constantly. In addition to that some of the departments are actively involved in applying R&D proposals to different funding agencies etc.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

The faculties are encouraged to submit project proposals to governmental and non-governmental funding agencies. TA and DA are provided to faculty for visiting the agency to submit the proposal, to present their proposal and also to follow up the status of funding. Please see the table below which provides details of ongoing and completed funded projects for the last one year.

**Table 3.2.7 List of projects Sanctioned from various funding agencies**

Project Title	Sponsored by	Grand Sanctioned (Rs.)	Period
IBPS Examination in RBI	TATA Consultancy Services Ltd.,	6,380	2015-2016
NABAD Bank Exam	TATA Consultancy Services Ltd.,	3,740	2015-2016

**3.3 Infrastructure for Research**

**3.3.1 What are the research facilities available to the students and research scholars within the campus?**

Completing a research project is a part of the curriculum both for the UG and PG students. To facilitate and motivate students in new realms of investigation, faculty guidance and other support structures are made routinely available to the students.

These are

- Computer systems, high speed internet access, printer and photocopy facility
- Laboratories fully equipped with high end instruments and equipment to carry out basic and advanced research
- Uninterrupted power supply through invertors and generators.
- Well-stocked central digital library
- Seminar/ Conference Hall and A/C Auditorium to conduct seminars and workshops for knowledge sharing and enhancement.

### **3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

The strategies for planning, upgrading and creating infrastructural facilities are enumerated below:

1. Each department prepares a budget for laboratory requirements and other equipment required for either upgrading the existing facilities or including new additions to enrich the working environment and facilitate the creative designing of project work.
2. Once the Management approves of the budget, the purchase of the instruments equipment and other requirements is initiated and completed.
3. An inventory of the existing infrastructure is taken at the end of every year and maintenance and repair is undertaken to keep the labs in shipshape condition.
4. The subscription for e-journal and print journal are renewed and new subscriptions are started to cater to the reference requirement of the researchers.
5. Senior faculty members are encouraged to visit reputed laboratories and R & D departments to get to know the latest techniques applied in research work.

### **3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If „yes“, what are the instruments/ facilities created during the last four years.**

No. The project grants not received from funding agencies in the institution.

### **3.3.4 What are the research facilities available to the students and research scholars outside the campus/ other research Laboratories?**

Students are encouraged and supported in taking up projects in industries. Summer training programs are arranged to expose the students to real world applications of classroom learning. The college provides all the facilities such as

accommodation, lab, and transportation etc to the researchers. The college has signed MOUs with industries and other agencies for promoting training, research and extension activities in technical education. MOUs signed with industries also open up avenues for students to take guidance from Industrial engineers for their research and also use equipment and other facilities available in the organization.



**Signing of MOU's with Addaxie Technologies**

**3.3.5. Provide details on the library / information resource centre or any other facilities available specifically for the researchers?**

The college has subscribed to the large number of National (55) and International (55) journals and magazines are subscribed. Special volumes like Handbooks, Standard books, Manuals, Encyclopedias, Technical reports, ISTE Learning Materials, Project Reports, periodicals, Non-Book materials and Conference Proceedings are also available to the students and teachers. Digital library service is also on the anvil.

**3.3.6 What are the collaborative researches facilities developed created by the research institutes in the college? For ex. Laboratories library, instruments, computers, new technology etc.**

Although research facilities have been enhanced and research labs have been established through research projects funded by Governmental research agencies like DST and DRDO, the college is yet to set up research facilities through collaboration with industries / beneficiary agency / industry. However, initiatives are being taken to establish a high level of rapport with industries and agencies for not only establishing research facilities but also to cater to the needs of the beneficiary agency.



The College has upgraded equipment in some of the departments to carry out consultancy work like UT Machine, high end Configured Systems and total station equipment etc. In addition to this a new computer center is provided for all the researchers who can utilize these facilities beyond the college hours also.

### **3.4 Research Publications and Awards**

#### **3.4.1 Highlight the major research achievements of the staff and students in terms of Original research contributing to product improvement, Research studies or surveys benefiting the community or improving the services, Research inputs contributing to new initiatives and social development**

- Major papers presented in regional, National and international conferences.
- Publication per faculty.
- Faculty serving on the editorial boards of national and international journals.
- Faculty members on the organization committees of international conferences, recognized by reputed organizations.
- Research and publications are considered to be one of the most important objectives of CCET for achieving academic excellence.
- Faculty members are continuously involved in research work and are encouraged to attend conferences, seminars, presenting papers and publishing them in reputed international and national journals.
- Many papers have been published in various reputed publishing houses like Sage Publications, Inderscience and Elsevier.

#### **Research inputs contributing to new initiatives and social development:**

Research inputs are given to the students and the faculty to know the opportunities ahead for them, and thereby raise their aspiration levels to achieve more.

#### **3.4.2 Does the Institute publish or partner in publication of research journal(s)? If “yes”, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

The Institute has a plan to tie up with any peer reviewed research journal from the coming academic year onwards.

### 3.4.3 Give details of publications by the faculty and students:

- Publication per faculty
- Number of papers published by faculty and students in peer reviewed journals (national/ international)
- Number of publications listed in International Database (for E.g.: Web of Science, Scopus, Humanities International Complete, and Dare. Database - International Social Sciences Directory, EBSCO host, etc.)
- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

#### Publications per Faculty

##### Civil Engineering

Name of Faculty	Journal	Conferences
Dr. V.S. Vidhya	27	33
Mr.R.Greesan	6	6
Mr. N .Mohamed Nizar	6	-
Mr.B.Rajesh	3	1
Mr.U.Sayera Banu	1	2
Mr.V.Sabareeswari	-	1

##### Computer Science and Engineering

Name of Faculty	Journal	Conferences
Mr.S.Karthick	3	1
Mr. B.Vinoth	1	3
Mrs. M.Kirithika Devi	3	3
Mr. C.Palanichamy	2	2
Mrs. G.ShanmugaPriya	1	-
Mr. K.Pushparaj	2	3
Ms. D.Rethina	-	1
Ms. R.Karunyam	1	-
Ms. R.Malarvizhi	1	1
Ms. M.Pavithra	-	1
Mrs. P.L. Baby Shalini	1	1

**Electronics and Communication Engineering**

<b>Name of Faculty</b>	<b>Journal</b>	<b>Conferences</b>
Mrs.L.Malathy	2	3
Mrs.R.Mangalam	1	1
Mr.A.VinothNelson	1	1
Mrs.M. Suganya	1	1
Ms.N.Keerthika	-	3
Mr.J.Balasubramanian	-	2
Dr. R.Velmurugan	23	20

**Electrical and Electronics Engineering**

<b>Name of Faculty</b>	<b>Journal</b>	<b>Conferences</b>
Mr.U.Thiruppathi	2	3
Mr.B.Prakash Ayyappan	5	5
Mrs.S.Barkathunisha	1	4
Mrs. M.Shobana	-	3
Mr. G.Vikneshwaran	-	4
Mr. L.Rajamohan	8	2
Ms. M.Saraswathi	-	1
Mrs. N. Abirami	-	3
Mr. R.Karikalan	-	1

**Mechanical Engineering**

Dr.A.Naveen Sait	45	25
Dr.M.Ravichandran	25	12
Dr.M.Pandikrishnan	3	1
Mr.N.Rajakumar	3	2
Mr.K.Ramasamy	4	4
Mr.S.G.Shelvaraj	3	1
Mr.T.Sathish	-	4
Mr.R.Ashok Kumar	3	-
Mr.R.Narayanan	2	3
Mr.S.Dinesh Kumar	3	2
Mr.N.Sabarirajan	2	1
Mr.P.Suresh	4	1
Mr.Sp.Palaniappan	1	-
Mr.M.Karthikeyan	1	-
Mr.R.Prabhakaran	1	-
Mr.A.Rahumath	2	-



- (i) Number of papers published by faculty and students in peer reviewed journals (national/ International):

Department	Name of Faculty	Publications in Peer reviewed journals
Mechanical	Dr.A.Naveen Sait	45
	Dr.M.Ravichandran	25
Chemistry	Dr. V.S. Vidhya	27
	Dr. R.Velmurugan	23

- (ii) Books with ISBN/ISSN numbers with details of publishers

- Dr.A.NaveenSait and Dr.M.Ravichandran, “Manufacturing Technology-II”, January 2015, SriKrishna Hi-tech Publishing Company Pvt.Ltd, ISBN: 978-93-80659-73-2.
- Dr.A.Naveen Sait, Dr.M.Ravichandran and Mr.N.Sabarirajan “Manufacturing Technology-I”, June 2015, Sri Krishna Hi-tech Publishing Company Pvt.Ltd, ISBN: 978-93-85364-18.
- Dr.A.Naveen Sait and Mr.N.Sabarirajan “Mechatronics”, January 2016, Sri Krishna Hi-tech Publishing Company Pvt.Ltd, ISBN: 978-93-85364-74-7.
- Dr.A.Naveen Sait and Mr.N.Sabarirajan “Automobile Engineering”, January 2017, MaruthiPublishers Pvt.Ltd, ISBN: 978-93-80757-66-7.
- Dr.A.Naveen Sait, Dr.M.Ravichandran and Mr.S.Dinesh Kumar “Unconventional Machining Process”, January 2017,Maruthi Publishers Pvt.Ltd, ISBN: 978-93-80757-01-8

#### 3.4.4 Provide details (if any) of

- Research awards received by the faculty
- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- Incentives given to faculty for receiving state, national and international recognitions for research contributions.

The details of recognition received by the faculty from reputed professional bodies and agencies are given below;

Table.3.4.4. Research awards received by the faculty

Name of the Faculty	Department	Awards	Professional Agencies
Dr.M.Ravichandran	Mechanical Engineering	Young Engineers Award 2016-17	Institution of Engineers India (IEI), Kolkata
Dr.V.S.Vidhya	Chemistry	Young Women Educator and Scholar Award	National Foundation for Entrepreneurship Development , Coimbatore



Awards received by our faculty members

### 3.5. Consultancy

#### 3.5.1 Give details of the systems and strategies for establishing institute industry interface?

The Training and Placement Cell ensures that the institution maintains symbiotic relationship with multiple industries across diverse segments. Meetings with the industry personnel result in signing of MOUs and accreditation by the industries and training and consultancy services. Faculty members also establish institute industry relationship during industrial visits and internship training programmes.

**Table 3.5.1 Details of strategies for establishing institute industry interface**

Initiated by	Nature of interaction
Training and Placement Cell	For arranging Value Added Programs by Industry experts, Students Placement
Heads of the Departments	Industrial Visits, Guest lectures and Industrial training by industry experts
Research and Consultancy Advisory Board	Consultancy activities
Students (in consultation with HODs and Training and Placement)	In plant Training and Internship

#### 3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The institute has formed a full fledged R&D cell with members having considerable high academic background. The R&D cell consolidates the institution strengths and also supports the students by placing them in the different industries for their academic projects. Faculty periodically have meetings with persons from industry either through their visits or by arranging expert and extension lectures in their respective departments and explore the possibilities for developing industrial consultancy.

#### 3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The faculties of the college have a wide range of expertise, covering several areas. The college uses their expertise based on the requirement of the consultancy assignment, past consultancy engagement, domain knowledge and consultancy skills.

### 3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

**Table 3.5.4 Major Consultancy Service**

**Financial Year: 2015-16**

<b>Name of faculty (Chief Consultant)</b>	<b>Client Organization</b>	<b>Title of Consultancy of project</b>	<b>Amount received (in Rupees)</b>
Mr.B.Rajesh	PL.Chidambaram, Karaikudi.	Concrete Cube Density Test	350
	Vidhyagiri foundation, Karaikudi.	Concrete Cube Density Test	1350
	M/S Antony Construction, Pudukkottai.	Concrete Cube Density Test	450
	Mr.P.Chinnapan, Oht Nehru Nagar, Pudukkottai.	Concrete Cube Density , Water, Steel and Cement Testing,	10500
Mr. B.Vinoth	Reserve Bank of India, Chennai.	TATA Consultancy Services Ltd.,	6380
	National Bank for Agriculture and Rural Development, Chennai.	TATA Consultancy Services Ltd.,	3740
Dr.R.Velmurugan	SSA Redimix Concrete,Tirumayam	Water Chemical Analysis	550
	Sri Vemani Construction, Kanadukathan	Water sample	500

**Financial Year : 2014-15**

<b>Name of faculty (Chief Consultant)</b>	<b>Client Organization</b>	<b>Title of Consultancy of project</b>	<b>Amount received (in Rupees)</b>
Mr.B.Rajesh	Panchayat Union, Pudukkottai.	Contouring Level Work at Keeranur Village.	2000
	SWD, Pudukkottai	Levelling for Sewage Drain work,	1000

### **3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

The institute has a standardized procedure of sharing the net revenues generated through consultancy services on the gratuity basis to the department and to the people involved in the consultancy.

### **3.6. Extension Activities and Institutional Social Responsibility (ISR)**

#### **3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

- The college management always motivates the student's social participation and also drives them to achieve its goal of providing higher technical education to create equitable society with ethical values.
- To provide quality based education to the students by inculcating moral values and scientific temper; it is employing state of art technologies. It aims at pursuing excellence towards creating students with high degree of intellectual, professional and cultural development to meet the national and global challenges.
- The institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and so has initiated a number of community development activities like Organizing NSS Camps by involving students in Blood Donation Camps, making the college play ground available to neighboring communities on weekends.
- The students of the college visit nearby villages and observe clean and green under a programme known as “Swachh Bharat” Mission.

#### **3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?**

Through Faculty advisors, the student involvement in various social movement activities is observed and also motivated. Faculty advisors are the one to give the required permission to students for participating in such activities and continuously monitor their progress in such extension activities. Faculty advisor has to file the student achievement in such extension activities in the respective advisor file for record purposes.

Extra-curricular activities and value education provides avenues for students to become aware of the social environment, the social evils, citizen responsibility and



individual contribution to make the society a better place to live in. Periodic and regular meetings are conducted for highlighting the social and ethical values. The Institute always encourages students to participate in social activities like conducting blood donation camps, eye camps, medical camps and literacy programs in the villages with the help of NSS unit of the college. Almost 100 volunteers of the unit participate in the social activities.

The college also played a vital role in conducting the awareness programs in association with “Rotaract Club”.



**Glimpses of Rotaract club function**



**Glimpses of literacy Awareness Program on world literacy day**

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

Stakeholders such as Students, Parents, faculty members and Alumni of the college are crucial elements of the education system that decide the overall performance and quality of the institution. For smooth functioning of the institute and to cater to the competitive environment, it is mandatory that certain processes to be laid down in order to establish effective linkages between these elements, thereby contributing to the

overall improvement in this existing system. In order to address these issues, following steps are undertaken at the institute level by conducting periodic meetings:

Certain forms and formats have been designed to collect feedbacks from the stakeholders. Every year, an Alumni Meet is conducted and the suggestions given by the Alumni are analyzed and suitably implemented. Even we conduct periodical parents meetings and accept any Suggestions for the overall improvement of the campus. Similarly complaint/suggestion boxes are made available for each and every one in the campus for their suggestions and complaints.

### 3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The outreach activities performed by the college which are related to academic, social, cultural, community service etc., that wrap up in forming a healthy society that contribute to nation building. Institute plans and identifies the groups which may be assigned to carry out outreach programs. Institute's planning for academic outreach programs viz. organizing seminars; expert lectures and Extension lectures have already been standardized.

**Table 3.6.4 Extension & Outreach Activities - Social - NCC, NSS, OTHERS**

Nature of Activity	Date	Organized By
Yoga Awareness Program	12.01.2012	CCET with Athma Yoga - Pudukkottai.
Rotaract Installation	16.08.2012	CCET with Rotary Club - Pudukkottai
AIDS Awareness Programme	05.09.2012	Rotract Club - CCET
Blood Donation Camp	17.04.2012	
Sangamam'12	09.09.2012	
Blood Donation Camp	02.11.2012	
Vidiyal '13	21.09.2013	
Blood Donation Camp	23.01.2014	
World Literacy Day	08.09.2014	
Spark'14	12.10.2014	
Blood Donation Camp	10.07.2015	
Rotaract Installation	06.10.2015	
Blood Donation Camp	15.10.2015	
Cancer Awareness Programme	3.11.2015	
Rotaract Installation 2015	06.10.2015	
Blood Donation Camp	28.09.2016	
Blood Donation Camp	15.04.2016	
Cleaning of Campus	13.08.2016	NSS -CCET



One day Blood donation camp was organized jointly by the Rotaract club and NSS in CCET Campus



Glimpses of Yoga Awareness Program



Glimpses of social, cultural, community service Program





**Glimpses of social, cultural, community service Program**

**3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

The college performs various activities through NSS and other forms of community development services. The college plans to extend the activities of NSS further to reach out for the needy people in nearby villages. During induction, the coordinators of these sections will narrate students on the benefits and scope of the extension activities.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

The college is sensitive to social issues and has instinctively undertaken works related to providing social justice and in empowering students from under privileged and vulnerable section of society as a response to student's feelings. College has organized following social activities:

- Blood Donation Camps.
- Poster presentation to create awareness about pollution and E-waste, Nonconventional sources of energy.
- Distribution of blankets to under-privileged class.
- NSS has conducted a traffic awareness campaign, highlighting the safety rules.
- NSS has conducted One Day Voters Awareness programme.
- NSS has conducted One Day "Swachh Bharat" program in college campus.



Glimpses of Students activity in Swachh Bharat program



Glimpses of Students activity in Swachh Bharat program

### 3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students 'academic learning experience and specify the values and skills inculcated.

The outcome of the extension activities helps a lot to develop the overall personality of the students. These in turn are useful for getting good employment. The extension activities help students to understand real life problems. They can develop lifelong learning skills. They can apply their knowledge to solve community problems. The extension activities expose the students to rural life and initiate possible application of technology to make village life comfortable.

### 3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?



The institution periodically does the survey to meet the needs of the society and organizes the activities with respect to critical issues concerning the society and environment such as poverty, social injustice, gender bias, pollution evils and the corrective measures to counter them. This makes them aware of their roles to be played in the society. Hence, all these extension activities groom their personality and enable them to take part in nation building process. Some of the activities that encourage the involvement of community are as follows:

- Rural Camps
- Tree plantation and Environmental awareness camp
- Eye Donation Awareness camps
- Blood donation camps
- HIV Awareness Camps
- Yoga Classes
- Orientation programmes with the presence of eminent personalities in the field of science, medicine, literature, art and social service.



**Glimpses of Tree plantation and Environmental awareness camp**



**Glimpses of Eye Donation Awareness camps**

**3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

Institute invites the students from the surrounding colleges for under taking social activities like creating awareness about no plastic usage, disposing of e – wastages, blood donation camps and Swachh Bharat. Faculty members also involve and encourage the students in various aspects of the program.

**3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

Institute has many honors and laurels from community such as:

- Appreciation for best management for Blood Donation Camp.
- Recognition for contribution in Tree Plantation.
- Appreciation from DEO-Pudukkottai for creating awareness about Jaiyithukattuvom for 12<sup>th</sup> Public Examination Preparation.
- The participation of students in the two mega events (i) Mini Marathon Organized by Rotary Club from CCET to Thirumayam- Malaikkottai for Driving Youth to Engineers (2016) and (ii) Mini Marathon organized by the Rotary Club and NSS (2017) for the cause of 'take a run to sweat for blood' were widely acclaimed and appreciated for the number of participation- 30 in the first event and 103 in the second event.



Glimpses of Jaiyithukattuvom Educational Awareness Program



Glimpses of cycling and Mini Marathon

### 3.7. Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- Inviting scientists and engineers as resource persons for workshops, seminars, special lectures, discussion with staff etc.
- Students are allowed to do the project in research labs and industries
- Permitting companies to utilize our infrastructure in training our students in doing their project works.



**3.7.2 Provide details on the MoUs / collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

The institution has MOUs/Collaboration with various organizations like Addaxie Technologies, Sungwoo Stamping Pvt Ltd., Hinduja Global Solutions, ALLSEC Technologies, SUN Engineering, People point Karur Vysya Bank.



**Glimpses of collaborative arrangements with industries**



**Glimpses of collaborative arrangements with institutions**

**Sungwoo Hitech**

Sungwoo stamping private limited on campus drive is conducted at Chendhuran College of Engineering and Technology on 18.04.2016. The below mentioned candidates have been selected in this drive.

Sl.No	Name of the Student	Department	DOB
1	ARUNKUMAR S	MECH	02.06.1995
2	ARUNPANDI S	MECH	10.06.1994
3	AYYANAR J	MECH	23.04.1994
4	BALPANDI R	MECH	17.04.1995
5	DEEPAN S	MECH	02.03.1995
6	KALEESHWARAN N	MECH	27.12.1994
7	KARUPPAIYA PRAKASH A	MECH	09.05.1995
8	KARUPPUCHAMY M	MECH	12.04.1995
9	MANIKANDAN A	MECH	05.06.1995
10	MOHAMMEDANAN N	MECH	15.06.1995
11	MUTHUKUMAR K	MECH	29.07.1995
12	RABIN A	MECH	25.06.1995
13	RAJA G	MECH	02.02.1993
14	RAJADURAI G	MECH	05.11.1994
15	RAJKUMAR K	MECH	22.06.1995
16	RAKKAPPAN T	MECH	23.05.1995
17	RAMAKRISHNAN M	MECH	01.04.1995
18	RAMANI S	MECH	21.05.1995
19	SAKTHIVEL R	MECH	15.06.1995
20	SARAVANAN D	MECH	27.07.1995
21	SELVAKUMAR P	MECH	04.09.1994
22	SETHUPATHI K	MECH	05.03.1995
23	SUDHAKARAN P	MECH	13.07.1995
24	SUNDARESWARAN N	MECH	30.07.1995
25	THAMIL MARAN M	MECH	04.06.1994
26	THOWFICANSARI B	MECH	03.06.1995
27	VIGNESHWARAN M	MECH	30.06.1994
28	KARUPPIAH C	MECH	03.02.1988
29	SENTHIL KUMAR K	MECH	01.02.1992
30	SYED AZARUDIN J	MECH	02.09.1992

Regards,  
*Vk. VASU*  
18/4/16

Selected candidates for Sungwoo Hitech in campus drive

**ALLSEC TECHNOLOGIES**  
BUILDING LASTING RELATIONSHIPS

AllSec Technologies off campus drive is conducted at Chendhuran College of Engineering and Technology on 16.04.2016. The below mentioned candidates have been selected in this drive.

S.No.	Name	Department
1	M.MANIKANDAN	EEE
2	R.BALPANDI	MECH
3	A.JAYALAKSMI	IT
4	M.PRIYA	CSE
5	P.SHOBANA	CSE
6	A.X.REBIN ROY	CSE
7	S.GANESAMOORTHY	CSE
8	S.ABINAYA	ECE
9	R.JAHIRABANU	ECE
10	M.MEENA	ECE
11	B.ANEESHA	ECE
12	S.A.SARANYA	ECE
13	S.DHANALETCHMI	ECE
14	G.DHAVAMANI	ECE

Event organized by E vel Technology Pvt Ltd

[S. BALASHANKRUMATHAN]  
CEO

Regards,  
*[Signature]*

Selected candidates for ALLSEC Technologies in campus drive

**HGS**  
HINDUJA GLOBAL SOLUTIONS

Hinduja Global Solutions on campus drive is conducted at Chendhuran College of Engineering and Technology on 09.04.2016. The below mentioned candidates have been selected in this drive.

Sl.No	Name of the Student	Department
1	ABINAYA S	ECE
2	DHAVAMANI G	ECE
3	JAYALAKSHMI P	ECE
4	KARTHIKA A	ECE
5	PRIVADHARSHINI R	ECE
6	PRIVANKA P	ECE
7	PRIVANKA GANDHI P	ECE
8	SUBHASHINI K	ECE
9	VISHNUPRIYA N	ECE
10	ATHILA BANU A	CSE
11	BHAVANI L	CSE
12	KANNAN M	CSE
13	REBIN ROY A.X	CSE
14	GANESAMOORTHY S	CSE
15	VIJAY N	CSE
16	SOUNDHARYA R	IT
17	VIJAYALAKSHMI K	IT
18	JAYASURIYA M	EEE
19	MANIKANDAN M	EEE
20	SARANRAJ N	EEE
21	SOWMIYA V	EEE
22	SURESH KUMAR M	EEE
23	AYYAPAN V	EEE
24	LIYAKATHALI I	EEE
25	MAHESHWARAN K	EEE
26	SANTHOSH KUMAR M	EEE
27	SIRAJDEEN M	EEE

Event organized by E vel Technology Pvt Ltd

Regards, *[Signature]*  
For *[Signature]*

*[Signature]*  
CEO, *[Signature]*

Selected candidates for Hinduja Global Solution in campus drive

**PEOPLE POINT**

Karur Vysya Bank off campus drive is conducted at *[Signature]* on 16.04.2016. The below mentioned candidates have been selected by Sugesh, Chennai Coordinator, People Point-Karur Vysya Bank.

S.NO	DEPT	NAME
1	MECH	S.ARUNPANDI
2	MECH	J.ARUN
3	MECH	P.GOWTHAM
4	MECH	A.MANIKANDAN
5	MECH	P.NAVANEETHAM
6	MECH	S.RAMANI
7	MECH	R.RUPAN
8	MECH	M.THAMIL, MARAN
9	MECH	R.VINOTH
10	CIVIL	R.MANIKANDAN
11	CIVIL	T.SENTHAMIL, SELVAN
12	CIVIL	M.VIVEKANANDAN
13	CIVIL	E.SUBRAM
14	EEE	M.MANIKANDAN
15	EEE	N.SARANRAJ
16	EEE	M.SURESH KUMAR
17	EEE	K.TAMILARASAN
18	MECH	K.RAJKUMAR
19	MECH	D.SARAVANAN

Event organized by E vel Technology Pvt Ltd

K. Sule  
Regards,  
K. Sugesh Kumar

*[Signature]*  
CEO, *[Signature]*  
S. BALASUBRAMANIAN

Selected candidates for People Point in campus drive





Students are receiving offer letter from our MoU signed companies

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.**

Organization of Industry-Institute Community interactions by inviting scientists and industrialists to deliver guest lectures and to organize workshops and seminars helps the institution in many ways. Faculty and students are trained to meet the technological needs of industry and society.

**3.7.4 Highlighting the names of eminent scientists/participants, who contributed to the events, provides details of national and international conferences organized by the college during the last four years.**

**Table 3.7.4 Eminent scientists/participants visited as resource persons for the benefit of our students**

Department	Program	Date	Resource Persons
R & D	The Art of Scientific Writing (ASW'16)	27.08.2016	Dr.R.Jeyavel Director, Centre for Research, Anna University, Chennai.  Dr.BalaSubramanian Anna malai University, Chidhambaram.
	Workshop on Antenna Design	23.07.2016	Prof. B. Anandhimeena, CEO,GK Antenna, Chennai
ECE	Hands on Training - Antenna Softwares & Design	23.07.2016	Prof. B. Anandhimeena CEO,GK Antenna Chennai

	PCB layout Design	10.09.2016 11.09.2016 17.09.2016 18.09.2015 24.09.2016 25.09.2016	Mr.R.Ananth & Mr.R.Grish, The Director, VINGYAN, Chennai.
CSE	National Network Security Championship	11.10.2013 & 12.10.2013	Mr. Vikas Kumar, Network Bulls, Haryana.
	Android Technology	05.03.2015 & 06.03.2015	Mr. G.Parthasarathy Approtech Solutions, Thillai Nagar, Trichy.
	Fundamentals of SDLC	22.07.2016 & 23.07.2016	Mr. R.Karthikeyan, HCL Technologies, Chennai.
EEE	Workshop on MATLAB/OTRIX	04.10.2013	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan, Chennai.
	Modeling and Simulation of Power Electronics and Drives	20.03.2015	Dr. S.Senthilkumar, National Institute of Technology, Trichy
EEE	VINGYAN-16	06.02.2016	Mr.R.Ananth & Mr.R.Grish, Director, Vingyan, Chennai.
	Electronics Based System Design	23.07.2016	Mr.M.Vijaykumar,AP/EEE, EGS Pillay Engg College, Nagapattinam.
MECH	Introduction about hydraulics, Pneumatics and Advanced Mechanical Systems.	09.07.2016	Mr. J viswanatha & Mr. Anandaraman Prolific systems Pvt.Ltd., Chennai.
	Short term course on Design and Fabrication of Valves.	23.07.16	Mr. Ravi., MD/Rasaai Flow Lines Pvt. Ltd., Pudukkottai. & Mr.Karuppusamy Director/ Axis CADD, Pudukkottai.

	Introduction about NDT Scope and its carrier.	13.08.16	Mr. Jeya Renald Reegan, Quality Manager, NDT Tech & Service., Chennai. & Mr. Praveen MD/Global CADD, Madurai.
CSE	SWOT Analysis.	14.03.2013	Mr. P.Manoharan Deputy General Manager, BHEL
	Ensuring Safe Work Environments.	14.03.2014	Mr. R.Bhaskaran HR Business Development Consultancy,Intencity,Tamilnadu.
	Leadership During Times of Complexity and Change.	23.02.2015	Mr. A.Karthick Team Leader, HR & Development, Polaris - Chennai.
	Broadcast technology.	12.03.2016	Mr. S.Rajendran, Divisional Engineer, BSNL - Pudukkottai.
CIVIL	Concrete Technology	17.03.2014	Dr.B.Vidivelli, Professor, Annamalai University, Chidambaram.
	Highway Engineering	26.02.2015	Er.Shanmugha Sundara Bhoopathy, Addl. Div. Engineer, Highways, Pudukkottai.
CIVIL	Prestressed Concrete	09.04.2015	Dr.P.V.Ramana, Professor, MNIT, Jaipur.
	Concrete Structures	10.04.2015	Dr.R.Thenmozhi, Professor, Anna University, Coimbatore.
	Latest Building Technology	15.03.2016	Er.K.Basheer Mohamed, Managing Director, Shabee Constructions.
	Applications of Softwares in Civil Engg.	23.07.2016	Mr.Victor Jebaraj, CADD Centre , Pudukkottai.
	Introduction to Autocad.	17.09.2016	Mr.Victor Jebaraj, CADD Centre , Pudukkottai.
	Basics in Civil Engineering.	17.09.2016	Mr.Senthil Kumar, Appolo Education, Pudukkottai

	Field Practice in Civil Engineering.	30.09.2016	Mr.N.Subramanian & Mr.K.Basheer Mohamed, FACEAT.
EEE	One day seminar on Tamil Wikipedia organized by Nanba Arakatalai	28.10.2013	Mr.Prince Ennaras Periyar kalaignar muthunilavan
	Utilization of Electrical Energy	11.03.2015	Dr.R.Kanimohzi, Anna University-BIT Campus, Trichy.
	Renewable Energy Resources	13.08.2016	Dr.S.Senthilkumar, National Institute of Technology, Trichy.
MECH	Torsion 14	11.03.2014	Dr.G.Buvanasekaran. BHEL, Trichy.
	Torsion 15	27.02.2015	B.Balasubramanian.
	Torsion 16	16.13.2016	Er.K.Mahalingam.
CSE	Froyomارش'16	12.03.2016	Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.
	Winprosyst'15	23.02.2015	Mr. A.Karthick, Team Leader, HR & Development, Polaris, Chennai.
	Chenvista'14	14.03.2014	Mr. R.Bhaskaran HR, Business Development Consultancy.
	Chenxplore'13	14.03.2013	Mr. R.Manoharan Deputy Manager, BHEL.
All Department	Charavyuk '12	08.03.2012	Dr. S.Ingersol, Scientist, Space Research Centre, Magendragiri.
	Chen xplore 13'	09.03.2013	Mr. P.Manoharan, Deputy General Manager, BHEL, Trichy.
	ICTDE'15	09.04.2015 & 10.04.2015	Mr.V. Ponraj, Scientific advisor to former president APJ Abdul Kalam.

### 3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreement? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated.

#### **Curriculum development/enrichment:**

This institution is affiliated to Anna University -Chennai. University has the authority to monitor and implement syllabus.

#### **Internship/ On-the-training:**

Collaboration with various industries has been providing an opportunity to the students for industry exposure, acquiring training skills for placements and getting projects from industries.

#### **Summer placement:**

Collaboration with various industries / organizations has been helping our students to undergo short-term training and internship programmes during summer vacation period for three weeks as prescribed in the University curriculum. The college is able to depute both UG and PG students to industries for taking up live projects and work at industry for short duration period.

#### **Faculty exchange and professional development:**

Institute arranges workshops, seminars and conferences at department and inter-department levels to exchange the ongoing research activity in the fields of national importance and industry needs. Institute also deposes faculty to exchange their research expertise at workshops, conferences and training programs arranged at other colleges/organizations.

#### **Research:**

The linkages helped in enhancing the research culture in the college.

#### **Consultancy:**

The college plans to enhance the consultancy works through interaction with industry through MOUs.

#### **Extension:**

Our institution has tie-up with good number of NGO/Service Organization for doing lots of extension activities.

**Publication:** Please refer to faculty publication section 3.4.2 for details

#### **Student Placement:**

Providing job market information and related inputs to students. Pre-placement training from third year onwards by Training and Placement Cell. Personality

development programmes and frequent assessment tests in aptitude, reasoning and verbal evaluation of students by external assessment agencies.

#### **Student exchange:**

Students are deputed to industries / research organizations during summer vacation for industry exposure and to take up the projects related to industry needs. Experts from industry and research organizations are invited for interactive sessions with students for exchange of knowledge and practical skills making the students meet industry requirements. The departments organize state-wise and inter-collegiate festivals, seminars and technical paper contests and students from various institutions exchange their ideas in thrust areas of engineering and other fields.

### **3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.**

#### **Planning:**

- To attain Anna University Research Centre in all the departments at our institution.
- To promote full-time research through sponsored research projects.
- To expand R&D infrastructure and central facilities for optimal resource utilization and to advance interactive linkages with Government / Non Government centers / laboratory/establishments.
- To motivate the faculty members from each discipline for R&D activities in the area of their interest through In-house / Sponsored Research projects leading to Ph.D. degree.
- To promote UG / PG students to carryout in-house projects in phased manner through Industry Institute Partnership Cell (IIPC).
- To improve the number of publications in journals with good impact factor.

#### **Establishments:**

- P.G. programmes in all the departments.
- Research centers in 2 departments.
- Regular interaction with personnel in Research labs and industries through FVFS.
- In-House Training for students.
- Submitted research project proposals and proposals to strengthen lab infrastructure.
- Organized National Conferences.
- Organized sponsored technical programmes.
- International level paper presentation by UG students.
- Consultancy services initiated.

## CRITERION - IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

The institute campus is a versatile place. It is a focal point for memories for the alumni; it serves as a nurturing place for the pursuing students and serves as a knowledge source for aspiring students. A campus usually ends up defining the institution; the classrooms, the facilities therein and the time spent in all come together to create a unique experience. Hence CCET always strive to afford the students more than they aspire.

#### 4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

As per the policy of the institution, well before the beginning of every academic year, the Heads of the departments make a detailed assessment of the following additional requirements

- Faculty members
- Major equipment for the laboratories
- Class rooms
- Computer systems
- Books for the department and main library

In consultation with other faculty members looking after the infra structural facilities, a detailed budget is prepared and sent to Principal who is also the IQAC Chairman. He studies the needs of the department and finalises the list and submit to management for final approval.

The management shows keen interest in the creation and enhancement of infrastructure in the Institution for smooth running of all the academic, co-curricular and extracurricular activities and ensures effective teaching learning processes including seminar halls, hostels for boys and girls, establishment of labs and other research facilities, improvement in academic and administrative infrastructure, maintenance of existing buildings, water supply, inter and intra net connectivity etc. Necessary budget is allocated to upgrade and create the required infrastructure.

#### 4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

The College is situated in an area of 54511.16 sq.m. The total area of building constructed is 23781.75 sq.m.



**Details of infrastructure facilities available for effective Teaching, Learning and Research:**

Facility	Total Number	Total Area in sq.m
Class rooms	34	1858.76
Class room cum studio	6	499.22
Laboratories	28	6674.04
Research Labs	12	1553.29
Seminar Halls	5	577.97
Workshop	1	476.02
Drawing Hall	2	308.1
Conference	2	318
Research centre	1	109.25
Auditorium	1	320



**Smart Class Room with sensor board and digital pen**

**For Department of Civil Engineering**

HOD Cabin : 26.56 Sq.m    Staff Room : 52.57 Sq.m

Sl. No.	Name of the Laboratories	Total Area in sq.m
1	Strength of Materials Lab	139.55
2	Applied Hydraulics Engineering Lab	139.55
3	Soil Mechanics Lab	139.55
4	Environmental Engineering Lab	131.76
5	Concrete and Highway Engineering Lab	139.55
6	Computer Aided Design and Drafting Lab	160
7	Communication Skills Lab	160
Total Area for Civil Engineering Laboratories		1169.96





**Concrete-Highway Engineering and Soil Mechanics Laboratory**  
**For Department of Mechanical Engineering**

HOD Cabin : 42.50 Sq.m    Staff Room : 100.84 Sq.m

Sl.No	Name of the Laboratories	Total Area in Sq.m
1	Manufacturing Technology Lab - I	204.01
2	Strength of Materials Lab	139.55
3	Thermal Engineering Lab I	158.67
4	Fluid Mechanics and Machinery Lab - I	139.55
5	Manufacturing Technology Lab - II	204.01
6	Thermal Engineering Lab II	158.67
7	Metrology and Measurements Lab	71.54
8	Dynamics Lab	68.0
9	CAD/CAM Lab	160
10	Simulation and Analysis Lab	160
11	Mechatronics Lab	71.54
Total Area for Mechanical Engineering Laboratories		1421.53



**Hydraulics Engineering and Strength of Material Laboratory**

## For Department of Electronics and Communication Engineering

HOD Cabin : 42.50 Sq.m

Staff Room : 100.84 Sq.m

Sl. No.	Name of the Laboratories	Total Area in sq.m
1	OOPS and Data Structures Lab - Computer Lab - I	160.40
2	Analog and Digital Circuits Lab & Linear Integrated Circuits Lab	90.78
3	Circuits and Simulation Integrated Lab	160.40
4	Electrical Engineering and Control System Lab	130.85
5	Micro Processor and Micro Controller Lab	90.31
6	Digital Signal Processing & Communication Systems Lab	
7	Computer Networks Lab - Computer Lab - II	160.40
8	VLSI Design & Embedded Lab - Computer Lab - VIII	83
Total Area for Electronics & Communication Engineering		<b>876.14</b>



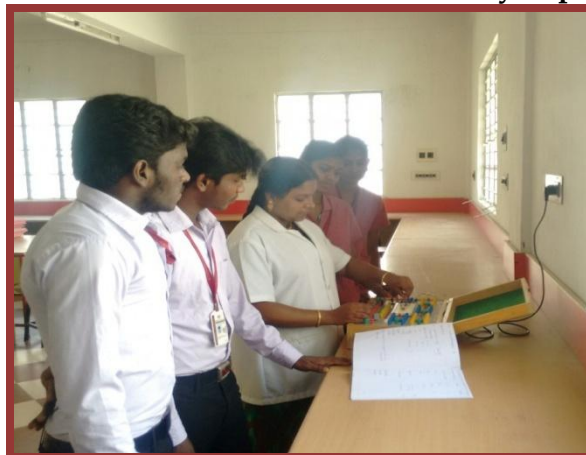
Communication Systems and VLSI Design Lab

## For Department of Electrical and Electronics Engineering

HOD Cabin : 10.53 Sq.m

Staff Room : 43.47 Sq.m

Sl. No.	Name of the Laboratories	Total Area in sq.m
1	Electrical Circuits Lab	130.85
2	Linear and Digital Integrated Circuits Lab	90.78
3	Electronics Lab	160.40
4	Electrical Machines Lab I	157.60
5	Object Oriented Programming Lab & Power System	45.99
6	Control and Instrumentation Lab	130.85
7	Communication Skills Lab - Computer Lab - V	160.00
8	Power Electronics and Drives Lab	90.31
9	Micro Processors and Micro Controllers Lab	90.31
Total Area for Electrical & Electronics Engineering		<b>1057.09</b>



**Students are in progress of Electrical Machine and Control & Instrumentation Lab**

**For Department of Computer Science and Engineering**

HOD Cabin : 13.30 Sq.m

Staff Room : 13.69 Sq.m

Sl.No.	Name of the Laboratories	Total Area in sq.m
1	Programming and Data Structures	80
2	Database Management Systems & Case Tool Lab	80
3	Networks & Operating Systems	80
4	Computer Graphics & Internet Programming Lab	80
5	Compiler Lab	80
6	Mobile Application Development Lab	80
7	Security Laboratory & Grid and Cloud Computing	80
8	Communication Lab	80
Total Area for Computer Science & Engineering		<b>640.00</b>



**Elegant View of Computer Lab**



**For Department of Science & Humanities**

HOD Cabin : 13.30 Sq.m

Staff Room : 92.18 Sq.m

Solano	Name of the Laboratories	Total Area in sq.m
1	Physics Lab	142.5
2	Chemistry Lab	131.76
3	Engineering Practices Lab	249.52
4	Computer Lab	160.00
Total Area for S & H Laboratories		683.78

**Physics and Chemistry Lab****Administrative Area**

Facility	Total Area in sq.m
Principal Room	55
CEO Room	35
Chairman Room	54
Cabins for HOD's	148.69
Placement Office	204
Examination Control Office	45
Faculty Rooms	640

**Amenities**

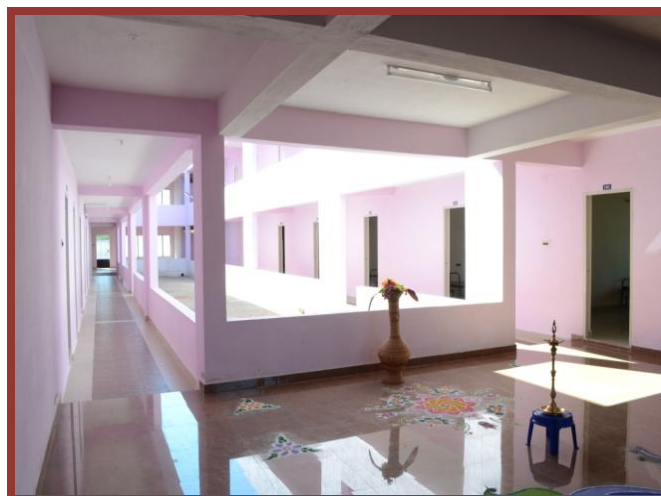
Facility	Total Area in sq.m
Gents Toilet/Ladies Toilet	624
Boys Common Room	100
Girls Common Room	100
Cafeteria	429
Auditorium	320
Boys Hostel	4970
Girls Hostel	1603



Chen cafeteria pleasant appearance



Opening of Girls Hostel by Tmt.E.S.Uma, District Superintend of Police, Pudukkottai



Elegant appearance of Girls Hostel

- b) Extra -curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Extra – Curricular Activities	Details
Sports	Well qualified Physical Directors are engaged to motivate the students to improve their sports activities
NSS/NCC	To involve social work NSS /Swachh Bharath team is involved to realize the social responsibilities of students.
Cultural Activities	Various cultural programmes are organized and the students secured prizes in competitions.
Public Speaking	The motivational speech was organized rather than the regular lecture to improve the grasping power of young budding engineers.
Skills Development	The language and skill development programmes are organized under the respective clubs with the experts from the relevant fields.
Yoga	To improve the physical health and thinking power the yoga club was initiate and regular yoga classes are conducted in regular Saturdays.
Health & Hygiene	Blood donation camps, eye camps are conducted to take care of health. Hygienic food with purified water is used to encourage the hygienic activities.

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any)**

While from the beginning, the institution has upgraded its infrastructural facilities meeting the programme requirements and also for those added on popular demand. To keep the pace with needs and requirements, additional infrastructure being developed in regular interval. The available infrastructure is optimally utilized in the following ways:

- Conduct of Tutorial classes, Value Added Courses, Guest lectures, video lectures in addition to regular theoretical classes.
- Laboratories are fully equipped with upgraded facilities to enrich the practical knowledge.
- Conference, Technical symposiums, workshops, seminars and demos are conducted regularly in Chendhuran Hall and Multifunction Hall.

- Playgrounds are used for zonal matches in various games like kabadi, hockey, cricket, cycling, badminton, football, hand ball etc.,



Master Plan of CCET

#### Institution Level

Year	Details of Building / Equipment / Facility Created	Details	Amount Spent (in Rs.)
2016- 17	Gigantic Mechanical & Civil Block	Department of Mech & Civil	7,65,35,000
	Chen cafeteria	Cafeteria	27,71,883
	Launch of Thar Road with Pathway & Parking	For Easy Conveyance & Majestic Look	97,75,000

**CIVIL**

<b>Year</b>	<b>Details of Building / Equipment / Facility Created</b>	<b>Details</b>	<b>Amount Spent (in Rs.)</b>
2013-14	Concrete Laboratory	Compression Testing Machine	1,00,865
	Structural Laboratory	Rebound Hammer	9,135

**ECE**

<b>Year</b>	<b>Details of Building / Equipment / Facility Created</b>	<b>Details</b>	<b>Amount Spent (in Rs.)</b>
2016-17	Electronics Lab	Consumables	5,747
	Optical and Microwave Lab	Microwave components	25,200
2014-15	Electronics Lab	Consumables	16,338
2013-14	Optical and Microwave Lab	Microwave components	6,300
	Digital signal Processing Lab	DSP lab components	90,523
	Power electronics lab and Digital Lab	Power electronics lab and Digital Lab equipments	91,707

**CSE**

<b>Year</b>	<b>Details of Building / Equipment / Facility Created</b>	<b>Details</b>	<b>Amount Spent (in Rs.)</b>
2016-17	For Exam Cell	New Canon RC IR3300 Xerox Machine & Net Facility	3,66,900
2015-16	Digital Class room, Laboratories, Admin Work, Communication Skill Laboratory	HP Printer - Laser jet, ABM Online Ups - 6kva, Tubular Battery, Projector, White board, UPS, Mount Kit, Power cable, Speaker	7,47,660
2014-15	For Exam cell work & Laboratories	Stabilizer 4 KV, D.Link Wireless Modem, Tubular Battery	4,00,034
2013-14	Admin Work, Office Work	HP Laser jet 1020 plus Printer, Stabilizer 2kv servo	3,87,176



EEE

Year	Details of Building/ Equipment / Facility Created	Details	Amount Spent (in Rs.
2013-14	Equipment for Power Electronics and Drives Laboratory	Microcontroller Based Speed Control of Converter Fed DC Motor	2,08,924
		Microcontroller Based Speed Control of Chopper Fed DC Motor	
		Microcontroller Based Speed Control of Stepper Motor	
		Microcontroller Based Speed Control of VSI Fed Three Phase Induction Motor	
		Microcontroller Based SMPS DC-DC Converter Control Circuit	
		Driver Circuits and Generation of PWM Signals for Three Phase Inverters	
		Design of UPS	
		Power Module, BLDC Motor (0.5 HP) Controller circuit,( PLC Microcontroller 16F873A Based Control Circuit) with Display Unit	5,48,368
		DSP Based Speed Control of SRM Motor(DSP TMS320F28335 Processor Based Control Circuit) and 0.5HP SRM motor	
		Synchronous Generator 0.5 HP, Power Module( MOSFET/IGBT) Controller Circuit	
		Single Phase / Three Phase Power Quality Analyzer( Power & Harmonic Analyzer Module)	

**MECH**

<b>Year</b>	<b>Details of Building / Equipment / Facility Created</b>	<b>Details</b>	<b>Amount Spent (in Rs.</b>
2013-14	Manufacturing Technology II Lab	Machines	10,480

**Science & Humanities**

<b>Year</b>	<b>Details of Building / Equipment / Facility Created</b>	<b>Details</b>	<b>Amount Spent in Rs.</b>
2016-17	Chemistry Laboratory	pH -Electrodes	1,800
2013-14	Chemistry Laboratory	Electronic Weight Balance, Conductivity cell, Potentiometer, Electrodes	15,890
2013-14	Physics Laboratory	Milli Ammeter, Grating Stand, Prism, Voltmeter, Lycopodium Plate	4,428

**Mechanical and Civil Block****Thar Road with Pathway and Parking Space**

#### 4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Special Facilities for physically challenged persons will be provided as on the requirements.

#### 4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility – Accommodation available - Computer facility

Details	Boys Hostel	Girls Hostel
Number of Rooms	72	34
Number of Students	162	126
Number of Staff	02	02
Number of systems	10	10

- Recreational facilities, gymnasium, yoga center, etc
- Facilities for medical emergencies
- Library facility in the hostels
- Internet and Wi-Fi facility
- Recreational facility-common room with audio-visual equipments
- Available residential facility for the staff and occupancy with Constant Supply of safe drinking water.
- Security.

#### 4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Dispensary with required drugs, First Aid facilities are available within the campus. A Part -time nurse and visiting doctors are engaged to take care of health and hygienic activities. Regular medical checkup and eye camp is conducted to monitor the health conditions of students. During emergencies help is provided to undergo medical treatment in the nearest hospital with the reachability of 15minutes.

#### 4.1.7 Give details of the Common Facilities available on the campus spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Table 4.1.7 Details of the Common Facilities available on the campus

Common Facilities	Availability	Block/Floor
IQAC	Yes	Ground floor
Grievance redressal unit	Yes	Ground floor
Women's harassment prevention Cell	Yes	I floor
Counseling and career guidance	Yes	I floor
Training and Placement Cell	Yes	Mechanical Civil Block - I Floor
Health centre	Yes	Ground floor
Canteens	Yes	In Boys Hostel
Cafeteria	Yes	Nearby Main Block
Recreational spaces for staff and students	Yes	Ground floor
Safe drinking water facility,	Yes	I Floor
Auditorium	Yes	Mechanical Civil Block - I Floor
Generator/Power back up facility	Yes	Back to Admin block
Transport	Yes	Back to Admin block

## 4.2 Library as a Learning Resource

### 4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes. The College has constituted an Advisory Committee for the Library.

#### Composition:

Convener	Mrs. S. Mageswari, Librarian
Secretary	Mr. M.Ashik Mohamed, Assistant Professor/Civil
Member	Mr. S. Mohan , Assistant Professor/Maths
Member	Mrs. M. Shobana , Assistant Professor/EEE
Member	Mr. N. Sabarirajan, Assistant Professor/Mechanical
Student Member	K. Visalatchi [ I Year-ECE ]
Student Member	R. VijayaKumar [ III Year-Civil ]

### 4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts) : 416.52 Sq.m
- Total seating capacity: 50 Nos.
- Working hours (on working days and holidays)
  - Monday to Saturday: 9.10 am to 6.00 pm
  - Holidays (Except Sundays): 10.00 am to 4.30 pm

**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years**

Library holdings	2013-14		2014-15		2015-16		2016-17	
	No.s	Total Cost (Rs.)	No.s	Total Cost (Rs.)	No.s	Total Cost (Rs.)	No.s	Total Cost (Rs.)
Text/ Reference books (overall)	2153	7,96,664	1477	635,205	2500	8,39,044	1438	4,78,427
Journals/ Periodicals (overall)	98	1,83,104	98	1,83,104	98	1,83,104	98	1,83,104
e-resources (overall)	166	11,500	166	11,500	166	11,500	166	11,500
Library Furniture	-	-	-	-	6	24,000	10	70,000
Total (Rs.)		9,91,268		8,29,209		10,57,648		7,43,031

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

OPAC	: Yes
Electronic Resource Management package for e-journals	: Yes
Federated searching tools to search articles in multiple databases	: Yes
Library Website	: Yes
In-house/remote access to e-publications	: Yes
Library automation	: Yes
Total number of computers for public access	: 10
Total numbers of printers for public access	: 2
Internet band width/ speed	: 32 Mbps
Institutional Repository	: Yes
Content management system for e-learning	: Yes
Participation in Resource sharing networks/consortia	: Delnet

**4.2.5 Provide details on the following items:**

Average number of walk-ins	: 100
Average number of books issued/returned	: 50
Ratio of library books to students enrolled	: 1:5
Average number of books added during last three years	: 2522
Average number of login to opac (OPAC)	: 20
Average number of login to e-resources	: 20
Average number of e-resources downloaded/printed	: 10
Number of information literacy trainings organized	: Nil

**4.2.6 Give details of the specialized services provided by the library**

Manuscripts	E-Materials, Project Reports, Question Banks
Reference	7568
Reprography	Yes
ILL (Inter Library Loan Service)	Delnet
Information Deployment and Notification	Notice Board Circulars, Personal Interaction
Download	Yes
Printing	Yes
Reading list/ Bibliography compilation	Yes
In-house/remote access to e-resources	Yes
User Orientation and awareness	Trained at Library hours
Assistance in searching Databases	Yes
INFLIBNET/IUC/ISTE/IET	Delnet

**4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

Library Staff supports the following activities:

- Registration
- Lending and returning of books
- Book Search
- References
- Scanning and Xeroxing
- ILL
- Question Bank maintenance.

**4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

Institute has no enrollment of visually challenged persons. Facilities for physically challenged persons will be provided as on the requirements. Library staff have been oriented to positively respond to the requirements of the people who need assistance. Physically challenged persons can authorize other students for library related activities.

**4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services.**

Yes, Feedback is collected annually, based on the recommendations of the students and faculty members who visit the library. Books, e- books and journals are purchased based on the feedback. Feedback is collected from various stakeholders in the following ways:

**Faculty:**

Faculty can also give the feedback on Library resources and services in the Department Meetings, Library Advisory Committee Meetings, Library Committee meetings as well as informal feedback can be shared with the Librarian as well as the Principal through interaction.

**Students:**

- Students can express their feedback in Class committee meetings.
- Suggestion cum Complaints Box put up strategic places can also be used by the students to provide feedback.

**Parent:**

Parents give their feedback during Parent Teacher Meetings.

### 4.3 IT Infrastructure

#### 4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Configuration	Make	No. of PC
Dual core Processor, HCL/HP motherboard 1GB DDR2 RAM, 160/250 GB Sata HDD, HP/HCL LCD monitor	HP/HCL	171
Core I3 Processor, Riveraa/HP motherboard 2GB DDR3 RAM, 250/500 GB Sata HDD, HP/SAMSUNG LED monitor	HP/Riveraa	203

#### List of systems and the location of availability for Students and Faculty:

Sl.No.	Location	Total No. of Systems
1	Lab 1 – Case Tools Lab	39
2	Lab 2 – Operating Systems & Embedded Lab	38
3	Lab 3 – Cadd Lab	39
4	Lab 4 - Pro-E & Ansys Lab	35
5	Lab 5 – Communication Skills Lab	41

6	Lab 6 – Mobile Application Lab & PG Lab	39
7	Lab 7 - Computer Programming Lab	14
8	Lab 8 – VLSI Design Lab	23
9	Simulation Lab	20
10	Mechatronics Lab	20
11	Thermal Lab	1
12	Exam section	3
13	Library	2
14	Training & Placement Cell	2
15	Maths Staff	1
16	Chemistry Lab	1
17	Office	6
18	Physics Lab	1
19	Principal Cabin	2
20	CEO Cabin	1
21	Soil Mechanics Lab	1
22	Manufacturing Technology Lab	1
23	ECE HOD	1
24	EEE HOD	1
25	MECH HOD	1
26	CIVIL HOD	1
27	CSE HOD	1
28	ME MECH HOD	2
29	English Staff	1
30	Server Room	4
31	Digi Class	6
32	Mech Research	1
33	S&H HOD	1
34	Service Room	15
35	Girls Hostel	6
36	Server Computers	4
37	Boys Hostel Mess	1



**Computer-student ratio:**

Details	Ratio
During Lab Hours	1:1
For UG Students	1:4
For PG Students	1:1
For Faculties	1:1

**Stand alone facility:****LAN facility:**

All the systems in the college campus are provided with LAN facility.

**Licensed software:**

All Licensed software required for the classes, laboratories, research, training, certification are procured and being used in the campus which includes Microsoft Campus Agreement for Windows Operating System, MSOffice, Visual Studio, MATLAB, Cadence, AutoCAD, ANSYS, Solid works, Lab view, C++, Oracle, various open source software, etc. The versions of the software are continuously upgraded.

**Number of nodes/ computers with Internet facility:**

Details	No. of Systems
Staffs	28
Boys Hostel	Nil
Girls Hostel	6
Library	2
Training & Placement Cell	2
Exam Cell	3
Computer for Internet Facility	309
Total	355

#### 4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Internet service is available in the college for faculty and students. There are 268 computers with the facility of Internet in each. The Principal office, the Administrative Block and some of the departments have the facility of internet. The ratio of computer and the students is approximately 1:4. The college has a fully computerized library. The students and the society have a free access to the college website, [www.chendhuran.ac.in](http://www.chendhuran.ac.in)

#### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

For deploying and upgrading the IT infrastructure the management provides enough funds as in the annual budget. Institute has a buy-back policy to replace the old ones with the updated new version. Software's are updated regularly and internet facilities are extended up to the requirement of students and faculties.

Bio metric attendance tracking system is deployed for both staffs and students and CHEN-EMS has been initiated to provide the smart card based authentication to students and staffs in near future.

#### 4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years).

**Budget Head for the year 2013-2017**

<b>Budget Head</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
Capital Equipment (Non-recurring)	387176	400034	747660	366900
Consumables (Recurring)	287083	85834	121571	18032
Maintenance (Recurring)	54195	6158	13453	42927
Renewal (Recurring)	-	-	-	101168
Total Amount Rs.	428454	192026	582684	127859

#### 4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

Computers are available for specific use in some departments. The teachers liberally take help of the ICT resources to enrich their prescribed curriculum with the help of internet. The college has adequate computer facility for its faculty. Faculty members are provided with computers with internet browsing facility for preparation of teaching/learning materials in their respective departments. Also Multimedia projectors, OHPs are available within the college for the faculty use. The college also has seminar halls equipped with projectors and are available as and when requested by particular teacher. The college also has a multi media hall. Internet facility and Library is thrown open to faculty members for learning materials. Also the faculty is provided with Audio-Visual aids which facilitate multimedia teaching.

**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher)**

The institution has always been placing the students at the centre of the teaching learning process. The vision and the mission of the institution have always been to provide holistic knowledge to its students. Keeping the students' learning at the centre of everything, the college understands that the teachers have to be reoriented from time to time. The times have changed. So has changed the way of imparting the knowledge. Use of technology has become very vital in imparting quality based education. The institution encourages the staff to undergo training on the computer-aided teaching and training. The college also has been conducting week-long sessions, in tune with the orientation courses, for the college faculty on the use of computers. The computer department also organizes training sessions on the use of Internet for learning resources. Well equipped computer Labs, LCD and OHPs are available to the faculty for computer aided teaching. The computer faculty is always available for any need based assistance in the use of ICT.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of ?**

No. At present National Knowledge Network Connectivity is not available.

**4.4 Maintenance of Campus Facilities**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

a.	Building
b.	Furniture
c.	Equipment
d.	Computers
e.	Vehicles
f.	Any other

The institution has made adequate arrangements for the maintenance and upkeep of the college infrastructure. The management ensures that enough funds are allocated and then utilized for the maintenance. The details of the budget allocated during the last four years are tabulated below:

Academic Year	Amount (in INR)							
	2016-2017		2015-2016		2014-2015		2013-2014	
Details	Allotted	Utilized	Allotted	Utilized	Allotted	Utilized	Allotted	Utilized
Building	2000000	1989561	260000	257570	77000	76002	208000	207088
Furniture	170000	164450	22000	21000	52000	51190	509000	508731
Equipment	1200000	1113062	84000	83457	285000	284154	211000	210521
Computers	420000	416255	500000	497761	302500	302034	990000	983188
Vehicles	1250000	1240016	2400000	2390360	-	-	216000	215000

#### 4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Regular maintenance activities are carried out in both buildings and department laboratories. Annual stock verification is carryout every semester to upgrade the laboratories and facilities. According to the curriculum, the laboratories are updated every semester. Depends upon the manufacturer recommendation, the equipments are serviced at periodic interval to keep the sensitive calibration.

#### 4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

As and when required, the institution takes up calibration and other servicing measures for the equipment/instruments through suppliers and service personnel periodically and in some cases through annual maintenance services. The departments maintain the complete records of such services.

#### 4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.) Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include?

Necessary precautions are taken depending on the equipment before installing them.

- Stock registers and service requests are maintained in corresponding registers.
- Water supply provision is made near needed equipments/lab and 24 hour water supply is ensured.
- Periodic maintenance and calibration of the equipment from suppliers, is made on demand.

## CRITERION – V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

In comprehensive world, our institution is achieved to provide value based education for the students and to offer meaningful & practical oriented learning for their development and progression.

#### 5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to the students through these documents and how does the institution ensure its commitment and accountability?

Yes, an updated and revised "Rules & Regulation " is published every year and is provided to the students on the college opening day. It covers the detailed aspects like profile of the institution, Admission, Academic Planning, Test schedule, Curriculum, Important Questions, Evaluation System, Value Added Services, Calendar of events, Extracurricular activities and disciplinary measures. Syllabus book lists the courses one has to register and complete to satisfy the academic requirements of the program. Various committees are constructed to look after efficient functioning of the institution. Periodically to ensure commitment and accountability, review and academic audits are measured.

#### 5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- The following scholarship assistances are provided by the Government and Management for deserving candidates.
- Special Scholarship (Minority) for UG and PG.
- BC/MBC Scholarship for UG and PG.
- SC/ST Scholarship for UG and PG.
- Tamilnadu State Government First Graduate Scholarship for UG and PG.
- Our Management too provides fee concession to student of UG and PG who are economically poor family background.

**Table 5.1.2 (a) Management Fees concession for UG and PG**

Batch Year	Number of Students	Total Amount (Rs)	Average Amount/ Student (Rs)
2016-17	244	3878980	15897
2015-16	153	2619560	17121
2014-15	122	1394690	11431
2013-14	109	1029670	9446

**Table 5.1.2(b) Minority Scholarship for Students**

<b>Batch Year</b>	<b>Number of Students</b>	<b>Total Amount (Rs)</b>	<b>Average Amount/ Student (Rs)</b>
2016-17	11	264000	24000
2015-16	07	168000	24000
2014-15	13	12000	24000
2013-14	12	288000	24000

**Table 5.1.2(c) BC/MBC Scholarship for Students**

<b>Batch Year</b>	<b>Number of Students</b>	<b>Total Amount (Rs)</b>	<b>Average Amount/Student (Rs)</b>
2016-17	487	2312800	4749
2015-16	526	2467250	4690
2014-15	608	2299950	3782
2013-14	655	2659875	4060

**Table 5.1.2(d) SC/ST Scholarship for Students**

<b>Batch Year</b>	<b>Number of Students</b>	<b>Total Amount (Rs)</b>	<b>Average Amount/ Student (Rs)</b>
2016-17	264	19066100	72220
2015-16	243	16342025	67251
2014-15	239	14489275	60624
2013-14	184	9532600	51807

**Table 5.1.2(e) First Graduate Scholarship for Students**

<b>Batch Year</b>	<b>Number of Students</b>	<b>Total Amount (Rs)</b>	<b>Average Amount/ Student (Rs)</b>
2016-17	424	8480000	20000
2015-16	462	9240000	20000
2014-15	546	10920000	20000
2013-14	671	13420000	20000

### **5.1.3 What is the percentage of students received financial assistance from state government, central government and other national agencies?**

About 80% to 90% of the students receive financial assistance from the state government whose parent income is less than 1.5 Lakhs per annum as per the Government Policy.

- BC/MBC Scholarship.
- SC/ST Scholarship.
- First Graduate Scholarship and Other Scholarship.

**Table 5.1.3. (a) Scholarship Category Details-UG**

Academic Year	Category	Total No. of Students on -roll	Total No. of Students received	Percentage (%)
2016-17	BC/MBC	856	487	96.03
	SC/ST		264	99.59
	First Graduate		424	83.96
2015-16	BC/MBC	915	520	100
	SC/ST		226	100
	First Graduate		462	88.84
2014-15	BC/MBC	1048	591	100
	SC/ST		214	100
	First Graduate		546	92.38
2013-14	BC/MBC	1164	639	100
	SC/ST		165	100
	First Graduate		652	81.09

**Table 5.1.3. (b) Scholarship Category Details-PG**

Academic Year	Category	Total No. of Students on -roll	Total No. of Students received	Percentage (%)
2016-17	BC/MBC	51	02	6.6
	SC/ST		20	92.53
2015-16	BC/MBC	65	06	12.24
	SC/ST		17	100
2014-15	BC/MBC	136	17	15.31
	SC/ST		25	100
2013-14	BC/MBC	144	16	12.8
	SC/ST		19	100





**Eligible Students provided with a scholarship Cheque by Chief guest**

#### **5.1.4 What are the specific support services / facilities available for Students from SC / ST, OBC and economically weaker sections?**

- Scholarship section provides necessary support to avail scholarship from Central and State Government Agencies.
- Book bank facility in Central library lends text books and reference materials for under privileged students.
- Depending upon the HSC marks, Concession are provided for the students in all departments.
- Hostel and Transport facility are also provided to students.

#### **Students from SC / ST, OBC and Economically Weaker Section.**

Most of the students are coming from rural areas. Complete information regarding the scholarships offered by central government, state government and other public organizations are conveyed to the students during their admission. Information about various scholarships is displayed in notice boards and when it is advertised. Class advisors identify and guide the eligible students of their class to apply for such scholarships.

#### **Students with Physically Disabilities**

Due care is taken for physically challenged students to make their stay in the institution comfortable and conducive for their learning.

- Hostel accommodation in the ground floor.
- Special seat is allotted in college bus.



**Students who participate in various Competitions / National and international.**

The students are motivated and guided by the staff to equip themselves to participate in various national/international level competitions.

- On-duty is provided to the students to participate in co-curricular and extracurricular activities.
- The students who win prizes in national and international level events are awarded in the annual day function.
- Institution supports the students with registration fee, travelling allowance and dearness allowance to participate in national and international level competitions.
- Assessment tests are rescheduled for the benefits of such students.
- Special coaching and additional laboratory classes are conducted on holidays to compensate the classes missed by the students due to their participation in such events.

**Table 5.1.4 (a) Details of Students participation in various events**

**Mechanical Engineering****Students Participation in Workshop**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
S.Kalaiselvam	Axis Global Institute of Industrial Training, Trichy.	14.02.16
B.Muthukumar M.Rajagopal	Care Group of Institutions, Trichy.	22.08.16 & 24.08.16
R.Palanikumar T.Rajkumar C.Selvakumar	Government College of Technology, Coimbatore.	10.09.16
S.Mithin C.Kamaraj D.Neelakandan G.Suresh B.Muthukumar S.Sudharsan A.Manojkumar M.Jaiganesh R.Bazeer Ahamed R.Ganapathi Subramanian M.Indra kumar	Top Engineers Upgrading Engineering Version, Puducherry.	11.09.16

**Students Participation in Symposium**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
S.Kalaiselvam	Vellore Institute of Technology University, Vellore.	17.03.16 & 20.03.16
S.Kalaiselvam	Alagappa Chettiar College of Engineering & Technology, Karaikudi.	02.03.16

**Students Paper presentation in National / International Conferences**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
S.Jeyalakshmi	Syed Ammal Engineering College, Ramanathapuram.	14.05.15 & 16.05.15
Roshan George Paul Abraham Naveen Narayanan P.Santhosh P M. Faizal Sachine Jose	Sree Narayana Guru Institute of Science and Technology, N.Paravur.	10.03.14 & 11.03.14
M.Sivasubramanian P.Surulimani M.Thirunavukarasu M.Karthi A.Karthickraja P.Manoprabhu M.Meignamoorthy S.Vinoth S.Tamil Vendan N.Sabarirajan K.Panneerselvam S.Akhil S.Sakthivelu S.Rajapandian B.Premkumar SP.Palaniappan C.Johnjoshua Ibish T. Sunny P.Alagu Sundaram	Chendhuran College of Engineering and Technology, Pudukkottai.	09.04.15 & 10.04.15
G.Hariharasudhan S.Dinesh Kumar S.Sreejith	Paavai College of Engineering, Namakkal.	13.04.14

K.Subramanian Sakkeer Kalliyath Jinumatheew P S.Jineesh	Career Guidance and Placement Cell, Calicut University Institute of Engineering and Technology, Malappuram, Kerala.	10.02.14 & 11.02.14
R.Sivanesan	M.P.N.M.J Engineering college, Chennimalai.	22.03.14
B.Sivakumar	Satyam College of Engineering and Technology, Kanyakumari.	13.03.14
M.Arunagiri	Tamizhan College of Engineering and Technology, Kanyakumari.	19.02.14 & 20.02.14

### Civil Engineering

#### Students Participation in Workshop

Student Name	Prize	Organizer	Date
S.Manikandan (CADD Drawing)	II	JJ College of Engineering and Technology, Trichy.	22.09.16
V.Soundarya (CADD Drawing)	II	Anna Poorna College of Engineering and Technology, Salem.	16.09.16
V.Sivapriya (Model Marking)	I		
VR.Lakshmanan (CADD Drawing)	I		
VR.Lakshmanan S.Manikandan (Quiz Competition)	I		
N.Muthappan (Code Cracking)	I	PRIST University, Thanjavur.	31.07.15
P.Madhumitha N.Srimeena (Quiz Competition)	I		

#### Students Participation in Inplant Training

Name of the Student	Name of the Company	Date
MR.Aishwarya	VEE'X Consultants, Karaikudi.	17.06.14 to 20.07.14
R.Yogalakshmi	Srinivasa Associates Private Limited, Coimbatore.	21.06.14 to 21.07.14
B.Suganya	VEE'X Consultants, Karaikudi.	18.06.14 to 20.07.14

N.Ramji	Sristi Shealters and Realtors Pvt. Ltd, Chennai.	13.06.14 to 20.07.14
V.Muralikrishnan A.Suthanthirakumar	Valliyammai Builders Pvt. Ltd, Chennai.	13.06.14 to 20.07.14
R.Ilakkiya	PWD, Building Construction & Maintenance Subdivision, Pudukkottai.	21.06.14 to 21.07.14
P.Rajapandian	Dynamic Infrastructure, Thanjavur.	22.06.14 to 20.07.14
G.Anamika M.Priyanka	VEE'X Consultants, Karaikudi.	18.06.14 to 20.07.14
R.Priyanka	Simpcon Developers, Chennai.	22.06.14 to 20.07.14
M.Kayalvizhi	AK Builders Pvt. Ltd, Madurai.	20.06.15 to 20.07.15
M.Banumathi	Velmani Builders Pvt. Ltd, Theni.	20.06.15 to 20.07.15
C.Navaneethakrishnan	Landmark Construction, Karaikudi.	20.06.15 to 20.07.15
P.Sudhakar	AARCO Builders, Theni.	20.06.15 to 20.07.15
J.Sharmila	Shiva Construction, Chennai.	20.06.15 to 20.07.15
V.Sabareeswari	Traditional Builders, Bhavani, Erode.	23.06.15 to 20.07.15
A.Venkatesan	SSS Construction, Pudukkottai.	20.06.15 to 20.07.15
S.Shandhini	SK Builders, Karaikudi.	20.06.15 to 20.07.15
P.Dennis Flora	Indra Builders, Karaikudi.	04.06.15 to 04.07.15
V.Kannan	Chirpi Engineers and Builders, Palani.	04.07.16 to 24.07.16
M.Abibharathi R.Kayalvizhi	IDZHAL Infrastructures, Devakkottai.	04.07.16 to 24.07.16
K.Kalaivanan	A Good Luck Construction, Annavasal.	04.07.16 to 24.07.16
R.Sundareshwaran	Raja Builders, Pudukkottai.	04.07.16 to 24.07.16
S.Arokiaraj	VJ Builders, Pudukkottai.	04.07.16 to 24.07.16
J.Esther Baby	MS Construction Project Pvt. Ltd, Pudukkottai.	04.07.16 to 24.07.16
P.Renuka	CG Sky World Engineers and Construction, Chennai.	04.07.16 to 24.07.16
S.Vidhya	Selva Construction, Pattukkottai.	04.07.16 to 24.07.16
H.Hadil Arshad	Abirami Engineering Construction and Co, Namakkal.	04.07.16 to 24.07.16

**Students Paper presentation in National / International Conferences**

R.Lingajothi	Thiruvalluvar College of Engineering and Technology, Vandavasi.	07.03.15 & 08.03.15
G.Anamika M.C.Vishalakshi T.Senbagam B.Suganya M.Priyanka S.Yashmeen Sulthana Barveen	Pandian Saraswathi Yadav Engineering College, Arasnoor, Sivagangai.	13.03.15 & 14.03.15
B.Brinda Devi MR.Aishwarya S.Azhagumathi R.Yogalakshmi P.Rajapandian S.Venkatesh	Jaya Engineering College, Chennai.	28.03.15
R.Ilakkiya	Kalaivani College of Technology, Coimbatore.	12.03.15 to 14.03.15
T.Mangaiarkarasi	Sona College of Technology, Salem.	29.04.15
N.Ramji A.Suthanthirakumar	Rajas Engineering College, Tirunelveli.	20.03.15
P.Arunkumar J.Shalini V.Muralikrishnan	Nadar Saraswathi College of Engineering and Technology, Theni.	20.03.15
R.Priyanka	Shanmuganathan Engineering College, Pudukkottai.	18.04.15
M.Banumathi	SBM College of Engineering and Technology, Dindigul.	03.03.16 & 04.03.16

**Electrical and Electronics Engineering  
Students Participation in Workshop**

<b>Student Name</b>	<b>Organizer / Societies</b>	<b>Date</b>
R.Rajkumar(13EE27) S.Shanmugam M.Vignesh R.Rajkumar(13EE28)	Coimbatore Institute of Technology, Coimbatore.	30.09.16

**Students Participation in Symposium**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
M.Manikandan V.Sowmiya	Anna University BIT Campus, Trichy.	03.03.16
M.Manikandan V.Sowmiya	Alagappa Chettiar College of Engineering and Technology, Karaikudi.	02.03.16
A.Mohamed Gani S.Shanmugam	Kings College of Engineering, Pudukkottai.	17.09.16

**Students Participation in Inplant Training**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
G.Ponnuthevar M.Vignesh R.Rajkumar(13EE27) R.Rajkumar(13EE28) N.Ramesh C.Rajadurai S.Sathish Kumar	TNEB (11 KV Substation) Pudukkottai.	27.06.16 to 01.07.16

**Students Paper presentation in National / International Conferences**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
SU.Janani P.Balasubramaniyan K.Gnanakumar R.Venkatesh	PGP College of Engineering and Technology, Namakkal.	26.03.16
MP.AnbuPriya PR.Rajalakshmi K.Sumathi	Pandiayan Saraswathi Yadav Engineering College, Sivagangai.	11.03.16 & 12.03.16
B.Hemapriya	Kings College of Engineering and Technology, Pudukkottai.	12.03.15
B.Hemapriya	Care Group of Institution, Thayanur.	07.01.15
T. Dhanyamol Drisya Sundhar B.Hemapriya P.Karikalan J.Saravanan S.SathishKanna R.Uma	Chendhuran College of Engineering and Technology, Pudukkottai.	09.04.15 & 10.04.15
J.Saravanan	Podhigai College of Engineering and Technology, Pallipattu.	27.03.15 & 28.3.15

**Electronics and Communication Engineering  
Students Participation in Workshop**

Student Name	Organizer	Date
T.Aishwarya	Kongunadu Engineering College, Trichy.	13.02.16
S.Suveetha M.Sharmila R.Gowsalya L.Keerthika S.Priyadharsini K.Elakkiya M.Braveen Rizana Begam A.Alamelu Mangai A.Christy Renilda G.Padmashri B.Saranya A.Saranya A.Saravanan T.Thanalakshmi V.Viji V.Alagu Shanmugaraj G.Padmashri V.Manivannan T.Meenakshi V.Neela Devi R.Geetha S.Sutha R.Nalini A.Raihana S.Thasbika R.Abinaiya J.Nowsatha Ahemed	Chendhuran College of Engineering and Technology, Pudukkottai.	27.08.16

**Students Paper presentation in Symposium**

Student Name	Organizer	Date
M.Marikkannu R.Anbarasi	Chendhuran College of Engineering and Technology, Pudukkottai.	14.03.16
M.Sophia Banu A.Sangeetha S.Sudarshon	Chendhuran College of Engineering and Technology, Pudukkottai.	25.02.15



G.Padmashri R.Jansi Rani		
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**Students Paper presentation in National / International Conferences**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
K.Bhuvaneshwari	SSM Engineering College, Dindugal.	08.04.16
B.Velayutham R.Saranya	Mahathamma Institute of Engineering and Technology, Ariyur.	04.04.14
S.Feminahency MR. Asha A.Annalakshmi D.Nithya M.Manivannan V.Bhuvaneshwari T.Rajamanickam	PRASE College of Engineering, Chennai.	22.03.14
R.Rameshkumar B.Lakshmanan S.Pushpalatha	Bharath Niketan Engineering College, Aundipatty.	07.03.14
K.Minarvadevi V.Priya	JJ College of Engineering and Technology, Trichy.	14.03.14
A.Pandia Rajan	PSG College of Technology, Coimbatore.	25.04.14 & 26.04.14
S.Farjona Barveen Emil.M.Paul G.Annamalai R.Gayathri N.G.Karthi R.Prahalatha D.Rajeshwari B.Shalini K.Maheswari A.Kannathasan C.Sindhuja P.Arthiraj C.Booma P.Naveen Kumar A.Beermohamed M.Suganya M.Sasikala	Chendhuran College of Engineering and Technology, Pudukkottai.	09.04.15 & 10.04.15
P.Naveen Kumar	Mount Zion College of Engineering and Technology, Pudukkottai.	23.03.15 & 24.03.15

A.Beermohamed	Mahathamma Institute of Engineering and Technology, Ariyur.	27.04.15
C.Sindhuja	Christian College of Engineering and Technology, Oddanchatram.	24.02.15 to 26.02.15
Aditi Awasthi B.Deepalakshmi	St. Michael College of Engineering and Technology, Kalayarkovil.	19.03.16
V.Kowsalya K.Thanalakshmi S.Saravanan	Jayaram College of Engineering and Technology, Trichy.	04.05.16
R.Thendralarasi R.Senthilkumar	Mahathamma Institute of Engineering and Technology, Ariyur.	19.04.16
S.Tamilselvi	Jaya Engineering College, Chennai.	07.05.16

**Computer Science and Engineering  
Students Participation in Workshop**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
P. Santhia Rajalakshmi (Best Participant)	National Network Security championship	11.10.13 & 12.10.13

**Students Participation in Symposium**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
S.Rajamanickam (Runner)	National Institute of Technology, Trichy.	22.02.16 & 23.02.16
M.Kannan (II Prize)	Anna University BIT Campus, Trichy.	03.03.16 & 04.03.16

**Students Paper presentation in National/International Conferences**

<b>Student Name</b>	<b>Organizer</b>	<b>Date</b>
S. Paul Martin P.L. Kavitha S. Saravanan P. Karuppusamy C. Arivali	Chendhuran College of Engineering and Technology, Pudukkottai.	09.04.15 & 10.04.15
P.L. Prabha S.Kayalvizhi P.Nandhini K.Pratha U.Prathiba	Shri Angalamman College of Engineering and Technology, Trichy.	01.04.14
P.L. Prabha	RMK Engineering College, Thiruvallur.	02.02.16
B.Besinar Begam	Roever Engineering College, Perambalur.	08.01.13

R.Jayarajeswaran	Magna College of Engineering, Chennai.	17.08.13
M.S.Nithya M.Rajapriya K.Ranjani M.Rathika D.Rethina	Mount Zion College of Engineering and Technology, Pudukkottai.	13.04.14 & 14.04.14

#### Medical Assistance to the students

- A doctor visits the campus to provide consultation to the students.
- First-aid kits available in all the departments, laboratories and hostels.
- A store inside the campus with drugs for common diseases.
- Periodical medical checkups for students.
- Health insurance for both Students and Staffs members.
- Special health care educational programs like first aid training; medical camps for blood donation camps are organized periodically.
- Lectures and Awareness programs about AIDS and Healthcare care.

#### Organizing coaching classes for competitive exams

In-house faculty experts conduct classes for GATE examination.

- Basic training in soft skills, quantitative aptitude, language development, logical reasoning and verbal reasoning are conducted along with regular classes throughout the semester through in-house experts.
- Separate special training has been conducted on civil services and higher education in India as well as foreign.
- Mock Interviews and Group Discussion are also conducted through corporate Human Resource Managers.

**Table 5.1.4. (b) Club Activities for competitive exams**

Name of the Department	No. of Students	
	Higher Education in India / Foreign	Civil Service Club
Mechanical Engineering	08	37
Civil Engineering	11	19
Electrical and Electronics Engineering	11	09
Electronics and Communication Engineering	05	06
Computer Science and Engineering	04	12

**Skill development (Spoken English, Personality Development Program, Technological Certifications etc.)**

- Short term training on spoken English, basic Mathematics and Computer programming is provided to the students who join first year of the undergraduate programmes. The same training is also provided to the students who directly join second year (lateral entry student) of the undergraduate programmes. The purpose of this training is to bridge the gap existing between the curriculum of high school and colleges.
- Spoken Hindi training classes are provided inside the campus for the benefit of students.
- Basic training in soft skills to enhance one's personality is provided to the students during training classes conducted along with regular classes through our experts.
- Value-added certified courses are arranged for the students to augment their skills during week-ends and semester holidays through external experts.
- The institutional campus is Wi-Fi enabled and the students are encouraged to undergo online certificate programs.

**Table 5.1.4. (c) Club Activities for Skill Development**

Name of the Department	No. of Students	
	Language Enhancement Club	English Club
Mechanical Engineering	40	16
Civil Engineering	27	03
Electrical and Electronics Engineering	03	10
Electronics and Communication Engineering	20	05
Computer Science and Engineering	27	06

**Support for “slow learners”.**

- A faculty member is allotted as a mentor for a group of 15 to 20 students. He/She is given the responsibility for providing counselling and motivation for the students who do not perform well in daily practice tests, continuous assessment tests and in the university examinations.
- Practice tests are conducted every day during the first class hour. It is evaluated on the same day. Slow learners are identified and are given additional coaching after regular class hours on the same day.
- For all the courses, slow learners are provided with simplified lecture notes, short answer questions along with solutions and solved question papers of previous year university examination.

**Exposure of students to other institution of higher learning /corporate / business /house**

- The students are encouraged to participate in seminars, workshops, conferences, symposiums and other events organized by other institution. Such students are allowed to participate with on-duty leave.
- The students are exposed to corporate/business house through in-plant training, internships, industrial visits and Project works.
- Periodical lectures by corporate people are arranged to help the students to mould themselves towards the expectations of the corporate/business house.

**5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

The institution regularly organizes meetings with successful entrepreneurs to promote entrepreneurial skills and self employment among the interested students. Open talk by such entrepreneurs gives to the students an insight into the different paths that they can be ventured into, the risks and the gains involved.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz competitions, debate and discussions, cultural activities, etc.**

The institution is committed to build the overall personality of students by encouraging and supporting students to actively participate in various forms of extracurricular and co-curricular activities.

- On-duty is provided to the students to participate in co-curricular and extracurricular activities.
- Assessment tests are rescheduled or re-test is conducted for the benefits of students participating in co-curricular and extracurricular activities.
- Special coaching and additional laboratory classes are conducted on holidays to fill the classes missed by students due to their participation in extracurricular and co-curricular activities.
- Inter-college events on sports, games and cultural events are organized every year. The winners and runners-up of the events are awarded with prizes and certificates during the annual sports day and annual day functions.
- Registration fee along with travelling allowance and daily allowance for the inter-college annual sports events and Inter collegiate matches are also organized inside the campus and awards are distributed.
- Cultural activities are conducted by fine arts club. The winners of various events are awarded during the annual day celebrations.

- The students association of every department organizes competitions like quiz, debate and essay writing once in every year. The winners and runners-up of the various events are awarded with prizes and certificates during the valedictory function of the students association.
- The institution has started various students from like, 15 club activities Training programs and competitions are regularly conducted through these forums for the benefit of students.
- Free Education is given for students who excel in sports.
- The staff from physical education department monitors and guide students during the practice and coaching sessions.

**Sports facilities include**

- Volleyball court.
- Kabaddi court.
- Kho-Kho court.
- Handball court.
- Football field.
- Badminton court.
- Cricket Ground.
- 400 Meter Track and field.
- Facilities for indoor games Like Table Tennis, Carrom Board, Chess.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, SLET, GATE / CAT / GRE / TOEFL / GMAT/ Central / State services, Defense, Civil Services, etc.**

The institution encourages and motivates the students to prepare for various competitive examinations through awareness programs, special coaching and training. Training & Placement cell provides 2 hrs/week classes on aptitude and soft skills for students. Special coaching classes are organized by the Training and Placement cell for all the students on spoken English, writing and conduct model exams related to TOEFL/ GATE / TANCET/ CIVIL SERVICES etc.

**5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social, etc.)**

- A faculty member is appointed as mentor for a group of 12 to 20 students. The mentor monitors the daily attendance and the academic performance of the students on a regular basis.
- The mentor identifies the cause for the problem and gives counseling to the students who have secured less attendance/marks. Those students, who do not

show improvement after counseling, are counseled by the head of the department. If need arises, parents are also invited during counseling.

- The mentor also gives counseling to students who are found to be deviating from the normal behavior. Parents are also involved in the counseling process whenever required.
- The staff members from the department of Training and Placement provide counseling for the students who do not crack the placement test/interviews.
- The head of the institution along with Principal and the concerned Head of the Department and mentor gives counseling for students who are involved in major in-disciplinary activities.
- Each department organizes motivational talk by experts to boost the morale of the students.
- Yoga club in the institution organizes stress management programmes to the students.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the Programmes).**

Yes. The institution has a well structured department of Training and Placement taking care of career guidance and placement of the students. The department of training and placement comprises of a Placement Officer with supportive trainers.

- Advertisements regarding competitive examinations and placement opportunities published in newspapers/websites are displayed in notice boards and Employment news is subscribed in the library.
- Reference books for the competitive examinations/placement preparation are available in the library.
- A special training are provided to the students for interacting then with corporate Human Resource Manager during Interview
- A well structured placement training programme is formulated before the commencement of regular classes.
- The students are exposed to corporate/business house through in-plant training, internships, industrial visits and industry project works.
- Periodical lectures by corporate personnel are arranged to help students to mold themselves towards the expectations of the corporate/business house.

The placement co-ordinator's are listed below:

1. Mr. R.Dineshkumar, Assistant Professor/Mechanical Engineering
2. Mr. K.Noor Mohamed, Human Resource Trainer



3. Mr.B.Muthukumar, Human Resource Trainer
4. Ms.A.Sumayabanu, Human Resource Trainer
5. Mr.M.Abulhasan, Human Resource Trainer

**Table 5.1.9 (a) A List of Technical Training/ Placement Programme  
Provided across Departments**

**Mechanical Engineering  
Workshop**

<b>Programme</b>	<b>Resource Person</b>	<b>No. of Beneficiaries</b>	<b>Date</b>
Nano Technology	Dr. S.Gowri Professor, Anna University, Chennai.	50	09.04.15 & 10.04.15
Carrier Guidelines	Mr. V. Ponraj , Scientific Advisor to former President Dr.APJ AbdulKalam, Chennai.	50	09.04.15 & 10.04.15
Growth of Industries and Self Employment	Er. K.Mahalingam Joint Director of Industries , General Manager, District Industries Center, Pudukkottai.	50	16.03.16
The Art of Scientific Writing	Dr. R.Jayavel, Director, Centre of Research, Anna University, Chennai.	50	27.08.16
The Art of Scientific Writing	Dr.V.Balasubiramanian, Professor, Annamalai University, Chidambaram.	50	27.08.16
Faculty Development Program	Dr.Panjanathan, Professor/HR, Kaizen Consultancy, Trichy.	50	10.09.16 & 11.09.16

**Seminar /National / International Conference**

<b>Programme</b>	<b>Resource Person</b>	<b>No. of Beneficiaries</b>	<b>Date</b>
International Conference on Technological Developments in Engineering	Mr. V. Ponraj , Scientific Advisor to former President Dr.APJ AbdulKalam, Chennai.	150	09.04.15 & 10.04.15

**Symposium**

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Dr.G.Buvashekaran, Additional General Manager, WRI, BHEL,Trichy.	150	27.02.14
	Er.K.Mahalingam , Joint Director of Industries, General Manager, District Industries Center, Pudukkottai.	150	16.03.16



**A Snapshot of Our Chief Guest Gracing our Awardees and Auspicious moment of Lamp Lighting Ceremony by the Delegates.**

**Civil Engineering Workshop**

Programme	Resource Person	No. of Beneficiaries	Date
Concrete Technology	Dr.B.Vidivelli, Professor, Annamalai University, Chidambaram.	60	17.03.14
Highway Engineering	Er.Shanmughasundarabhoopathy, ADE, Highways Department, Pudukkottai.	60	26.02.15
Prestressed Concrete	Dr.P.V.Ramana, Professor, Indian Institute of Technology, Jaipur.	80	09.04.15
Concrete Structures	Dr.R.Thenmozhi, Professor, Anna University, Coimbatore.	80	10.04.15

Latest Building Technology	Er.K.Basheer Mohamed, Director, Shabee Construction, Pudukkottai .	80	15.03.16
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**Seminar /National / International Conference**

Programme	Resource Person	No. of Beneficiaries	Date
International Conference on Technological Developments in Engineering (ICTDE-15)	Mr. V. Ponraj , Scientific Advisor to former President Dr.APJ AbdulKalam, Chennai.	180	09.04.15 & 10.04.15

**Symposium**

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Er.K.Basheer Mohamed, Director, Shabee Construction, Pudukkottai.	170	15.03.16
	Er.Shanmughasundarabhoopathy, ADE, Highways Department, Pudukkottai.	180	26.02.15
	Dr.B.Vidivelli Professor, Annamalai University, Chidambaram.	160	17.03.14
	Mr.P. Manoharan, Deputy Manager, BHEL, Trichy.	160	14.03.13



The moment of pride as chief guest been honored by our management & Snippet of our student's Creative ability

### Electrical and Electronics Engineering Workshop

Programme	Resource Person	No. of Beneficiaries	Date
Electronics Based System Design	Mr.M.Vijayakumar Assistant Professor/EEE, EGS Pillai Engineering College Nagappattinam.	40	23.07.16
Modeling and Simulation of Power Electronics and Drives	Dr.S.Senthilkumar Assistant Professor/EEE, National Institute of Technology, Trichy.	80	20.03.15



Sneak peak of the workshop & Attendees are Braced with Certificates of Participation by Our Delegates

### Seminar /National / International Conference/Value Added Course

Programme	Resource Person	No. of Beneficiaries	Date
International Conference on Technological Developments in Engineering (ICTDE-15)	Mr. V. Ponraj , Scientific Advisor to former President Dr.APJ AbdulKalam, Chennai.	112	09.04.15 & 10.04.15

Renewable Energy Resources	Dr.S.Senthilkumar, Assistant Professor/EEE, National Institute of Technology, Trichy.	62	13.08.16
Printed Circuit Board (PCB) Design	Mr.R.Ananth and Mr.R.Grish Director, Vingyan Innovation Centre, Chennai	21	10.09.16, 11.09.16, 17.09.16, 18.09.15, 24.09.16 & 25.09.16

### Symposium

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Dr.R.Kanimohzi, Assistant Professor/EEE, Anna University, BIT Campus,Trichy.	82	11.03.16
	Mr.K. Baskaran, Assistant Engineer, TNEB, Pudukkottai.	115	24.02.15
	Mr.K. Sahayaraj, Assistant Engineer, TNEB, Pudukkottai.	152	12.03.14
	Mr. P.Manoharan , Deputy General Manager, BHEL, Trichy.	161	11.03.13



Our Students Creative mind in Full Flow

## Electronics and Communication Engineering

### Workshop

Programme	Resource Person	No. of Beneficiaries	Date
Hands on Training on Antenna softwares and design	Mrs. B.Anandhi meena CEO, GK Antennas, Madurai.	56	23.07.16
Printed Circuit Board Design (PCB)	Mr.R.Ananth & Mr.R.Grish Director, Vingyan Innovation Centre, Chennai.	19	10.09.16 11.09.16 17.09.16 18.09.16 24.09.16 25.09.16

### Seminar /National / International Conference

Programme	Resource Person	No. of Beneficiaries	Date
International Conference on Technological Developments in Engineering (ICTDE-15)	Mr. V. Ponraj , Scientific Advisor to former President Dr.APJ AbdulKalam, Chennai.	18	09.04.15 & 10.04.15



## Symposium

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Mr.P.Manoharan, Deputy General Manager BHEL, Trichy.	204	14.03.13
	Dr.S.Rajaram, Assistant Professor, Thiyagarajar College of Engineering, Madurai.	183	13.03.14
	Dr.P.Dananjayan, Professor & Dean, Pondicherry Engineering College, Pondicherry.	129	25.02.15
	Dr.M.Bhuvaneshwari, Assistant Professor, Anna University, Trichy.	97	14.03.16



The winner been Awarded with a certificate & the auspicious moment as one of our student lit the light of inauguration



A brain storming session between student and expert & Town hall by expert with students



## Computer Science and Engineering Workshop

Programme	Resource Person	No. of Beneficiaries	Date
Trends in Software Development	Mr.R.Karthikeyan, HCL Technologies,	64	22.07.16 & 23.07.16
Introduction to .Net Framework	Mr.A.Mutharasan, NHIT, Computer Education, Pudukkottai.	29	27.07.16
Visual Basic .Net		30	17.08.16
Windows Applications		23	18.09.16
Introduction to ASP.Net		30	24.09.16
Web Applications		26	25.09.16
Database Connectivity		30	01.10.16
Static and Dynamic WebPages Creation.		32	08.10.16
Photoshop	Mr.R.Ananth and Mr.R.Grish Director, Vingyan Innovation Centre, Chennai.	49	02.01.16
Dreamweaver			09.01.16
Dynamic Web Pages Creation			23.01.16
Arima Finance Web Site Creation			05.02.16
HTML			13.11.15
CSS			21.11.15
Java Script			28.11.15
JQuery			05.12.15
Static Web Pages Creation			12.12.15
XAMPP Server			19.12.15
PHP and MYSQL			26.12.15
Android Technology	Mr.G.Parthasarathy, ApproTechnology solutions, Thillai Nagar, Trichy.	67	05.03.15 & 06.03.15
National Network Security Championship	Mr.Vikas kumar, Network Bulls, Haryana.	115	11.10.13 & 12.10.13

**Seminar /National / International Conference**

Programme	Resource Person	No. of Beneficiaries	Date
International Conference on Technological Developments in Engineering (ICTDE-15)	Mr. V. Ponraj , Scientific Advisor, To former President Dr.APJ AbdulKalam, Chennai.	18	09.04.15 & 10.04.15

**Symposium**

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.	67	12.03.16
	Mr. A. Karthick Team Leader, HR & Development, Polaris, Chennai.	67	23.02.15
	Mr.R.Bhaskaran, HR Business, Development Consultancy	67	14.03.14
	Mr.P.Manoharan, DeputyManager (BHEL),Trichy.	115	14.03.13



**The Moment of Our Management Gracing Our Chief Guest & Our Chief Guest Sharing his Valuable Thoughts**

**Science and Humanities****Symposium**

Programme	Resource Person	No. of Beneficiaries	Date
National Level Technical Symposium	Dr. B.Muthuraaman, Assistant Professor, Department of Energy, University of Madras, Chennai.	184	17.03.16



**Live Interaction of Participants with chief guest & our delegates having a look into a models created by Our Students**

### Science and Humanities

Programme	Resource Person	No. of Beneficiaries	Date Organized
Orientation Programme	Mr. A.Kaliyamurthy, Former Superintendent of Police, Trichirapalli. Kavingar. Thangam Moorthy, Correspondent, Sri Venkateswara Matric Hr.Sec. School, Pudukkottai.	225	01.08.16
	Dr. Avvai Natarajan, Former Vice Chancellor, Tamil University, Thanjavur. Kavingar. N.Muthu Nilavan, Tamil Poet, Pudukkottai.	206	03.08.15
	Mr. N.Muthu, Chief General Manager, Human Resources, Neyveli Lignite Corporation td, Dr.N. Vijaya Sundari, Urumu Dhanalakshmi College, Trichy .	193	06.08.14
	RMP.Jawahar, Executive Director, TREC-STEP, Trichy.	232	05.08.13



**New students inducted as part of Orientation Program & Principal address**



**Our HR Director Mrs.Meena Vairavan sharing her thoughts on Workshop & our Chief guest sharing his inputs on Workshop.**

**Table 5.1.9 (b) Placement Programme of each department**

Programme Details	Resource Person	Department/ No. of students participated		Date
Personality Development, Effective Communication Skill, Goal Setting and Time Management	Mr.J.Krishnan, Head Training & Operation, RIPE Institute Private Ltd., Chennai.	CIVIL	68	16.02.15 to 18.02.15 & 19.03.15 to 21.03.15
		ECE	19	
		EEE	28	
		CSE	17	
		IT	06	
Training and Soft Development	Dr. Kamal Mundra, Human Resources and Trainer, Career Solution, Chennai.	CIVIL	68	16.02.15 to 18.02.15 & 19.03.15 to 21.03.15
		ECE	48	
		EEE	25	
		CSE	28	
		IT	08	

Aptitude Cracker	Ms.M.Ashwini Service relationship Manager, Focus Academy for Career Enhancement, Trichy.	CIVIL	66	04.03.15 to 07.03.15
		ECE	26	
		EEE	18	
		CSE	29	
		MECH	81	
Soft Skill and Aptitude Training Programme	Mr.R.Vasudevan, Human Resource, Axion Academy, Chennai.	ECE	52	31.07.12 to 04.08.12, 22.08.12 to 28.08.12 & 29.08.12 to 01.09.12
		EEE	52	
		CSE	13	
		IT	07	
		MECH	65	
Time Management, Skill Development and Creativity Training Programme	Mr.R.Vinothkumar, Human Resources, Infinity Technology Solution, Chennai.	CIVIL	70	17.12.13 to 21.12.13
		EEE	28	
		CSE	28	
		IT	09	
		MECH	68	
3-D Leadership Module and Communication Skills	Mr. Arunkumar, Image Consultant, LanchPad LCC, Chennai.	ECE	47	10.12.13 to 20.12.13 & 22.12.13 to 28.12.13
			49	09.12.13 to 13.12.13 & 26.12.13 to 28.12.13
Soft Skill and Communication Module	Mr. MS.Balajee, Training and Placement Officer, Talent Sprit, Chennai.	Civil	72	18.12.13 to 20.12.13 &
		EEE	26	



		CSE	29	26.12.13 to 29.12.13 & 23.01.14 to 25.01.14
	Mr. C.K. Viswanathan, Softskill Trainer, Talent Sprit, Chennai.	MECH	120	
Professional Training and Coaching Industry Programme	Mr. A.Sudharsan, Softskill Trainer, KeyMind, Chennai.	CIVIL	58	21.01.14 to 24.01.14 & 03.03.14 to 08.03.14
		ECE	29	
		EEE	24	
		CSE	16	
		MECH	102	
Employability Training with Placement	Mr. S.Deepak, CEO & Director, Ehelium, Chennai.	CIVIL	21	17.02.14 to 22.02.14 & 24.02.14 to 27.02.14
		ECE	69	
		EEE	69	
		CSE	59	
		MECH	70	

**Table 5.1.9 (c) Details of Students Placement through Campus Interviews**

Department	No. of Students Placed			
	2013-2014	2014-2015	2015-2016	2016-2017
Mechanical	20	43	53	43
Civil	01	09	04	11
EEE	27	16	15	16
ECE	13	22	16	13
CSE	5	11	10	12



**NAAC - Self Study Report**

**A Snapshot of Placement Inauguration by Delegate and CEO**

**List of Placement Company Details:**

<b>Company Name</b>	<b>Address</b>
Hinduja Global Solutions	23, Cathedral Garden Road, Badrikari, Gangai Karaipuram, Nungambakkam, Chennai.
Sungwoo Stamping Private Limited	48/2, Mannur village, Valarpuram(PO), Sriperumbudur, Kanchipuram.
Allsec Technologies Limited	46 B, Velachamy Main Road, Velachery, Chennai.
Karur Vysya Bank	ABI Towers, 3 <sup>rd</sup> floor, 170 Arcot road, Vadapalani, Chennai.
Elcompo Electronic Industries Private Limited	Plot.No:31,32,33, Functional Industrial Estate, Perungudi, Chennai.
Kochar Info Technology Private Limited	Sp31A, 2 <sup>nd</sup> Floor, Kochartech park, Ambattur, Chennai.
Polaris Private Limited	Block. A Prince info park, 81b, 2 <sup>nd</sup> Main Road, Ambattur Industrial Estate, Chennai.
Accurate Steel Forgings (India) Limited	No 33, SIDCO Industrial Estate, Thirumazhisai, Chennai.
Yesco Flow Control Engineers	47-6, Nallampalayam road, Lakshimi Nagar, Sunganoor, Coimbatore.
ABT Maruthi	ABT Maruthi service, Guindy, Chennai.
Precision Engineering	No.11, SIDCO Industrial Estate, Ambattur, Chennai.
Karthigeya Plastics and Technologies	Plot No. G-35, Sipcot Industrial Park, Kattrambakkam village, Irrungattukottai, Sriperumbudur (Tk), Kanchipuram.
Eureka outsourcing solution Private Limited	Ever on building, Great Towers South wing , No96-99, Ambattur Industrial Estate, Chennai.
Andromeda BPO Private Limited	86/E2, ACL 1 <sup>st</sup> gate, 2 <sup>nd</sup> Mainroad, Ambattur Industrial Estate, Chennai.
Aqua pure plus	16/ 148, Groundfloor, V.V.Koil street, Thiruvallieswarar nagar, Thirumangalam, Anna Nagar west, Chennai.
EDM Soft Solution Private Limited	58, First floor, 3 <sup>rd</sup> main Road, Ekkaduthangal, Chennai.
HCL Technologies	ELCOT- SEZ, 602/3, 138, Sholliganallur village, Medavakkam high road, Chennai.
CSS Corp	32-A, 32-B, 6 <sup>th</sup> -10 <sup>th</sup> floor, Prince Info park, Ambit park road, Ambattur Industrial estate, Chennai.
Addaxie Technologies	Plot no.410, Great Noida, Noida.
ST Technologies	No.1, Electronics park road, Ambattur Industrial Estate, Chennai.



Oxfam India	Sriram bharatiya, Kalakendar, 4 <sup>th</sup> & 5 <sup>th</sup> floor, New Delhi.
Atron Technologies.	#79, II <sup>nd</sup> floor, V.V.Koil street, Thiruvalliesvarar nagar, Thirumangalam, Chennai.



Our Management with job aspirants & The moment of glory for our students while presenting a job offer letter



A view of Group Discussion as part of interview & All our staff Bracing job aspirants with best wishes.

#### 5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years?

Yes, The institution have student grivence redressal cell. No major incident had been reported so far.

#### Grievance Redressal Committee:

A student grievance redressal cell is functioning well in our campus. The cell comprises the head of the institution as convener, senior faculties and student as members. Grievances are received through the suggestion box and in person. Suggestion box are available in each of the buildings. Genuine grievances are sorted out

immediately by the concerned authorities. Mess committee meetings are conducted periodically to resolve hostel problems. Students can represent their grievances directly to the principal from 4.30 P.M. to 6 P.M. on all working days.

### **Disciplinary Committee:**

Role of this committee is to examine all indiscipline activities of students and staff observed. Disciplinary actions are recommended depending on the degree of indiscipline act. All the HOD's and Physical Director has monitoring the students for disciplinary actions. The report is submitted to the principal and in major cases Principal reports to the Managing Director for taking necessary action.

### **Women Grievance Redressal Committee:**

Women Grievance Redressal committee is formed to examine the ladies harassment related cases and resolved along with the Principal. For extreme cases members examine & sort out all type of complaint letters and grievances representations of aggrieved students, staffs, faculties & others and take up this matters with the Chairperson for Redressal.

#### **5.1.11 What are the institutional provisions for resolving issues pertaining to Sexual harassment?**

A Women's Grievance Redressal Committee functions in the institute with senior lady professors as members along with the head of the institution. Students can lodge their grievance to this committee through the suggestion box and in person. The committee conducts an impartial enquiry and recommends to the management on the action to be taken on the guilty. No incident has been reported so far.

### **Members of Women Cell**

To examine the ladies harassment related cases examine & scrutinize all type of complaint letter and grievances

**Chairperson :** Dr. A. Naveen Sait, Principal

**Members :** Dr. V.S.Vidhya, Director (Academics)

Mrs. L.Malathy, Assistant Professor/ECE

Mrs. M.Kirithika Devi, Assistant Professor/CSE

Mrs. K.Nithya, Assistant Professor/S&H

Ms. J.Esther Baby, Lecturer/CIVIL

Ms. V.Tamilarasi, Assistant Professor/S&H

Mrs. S.Barkathunisha, Assistant Professor/EEE



**Celebration of International Women's day**

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

Yes, the institution has a well formulated anti-ragging system in place. The Anti-ragging Committee comprises of the head of the institution, head of all departments along with student members. Their contact phone numbers along with their e-mail address of the committee are provided in the institution website and also displayed at strategic locations inside the campus. A written and signed affidavit from all the students is obtained in presence of their parents/ guardians at the time of admission. Anti-ragging squads are formed to make surprise inspections and defeat any attempts of ragging inside the campus, hostels and cafeteria. Circulars and notices stating that ragging is a punishable offence are displayed in college and hostels. No incident has been reported so far.

**Table 5.1.12 Anti-Ragging Committee**

Name	Position	Catagory
Dr. A.Naveen Sait, Principal	Chairman	Principal
Mr. R.Chandrasekar, Sub-Inspector	Member	Police Department
Mr. S.Natarajan	Member	Parent Representative
Ms. A.Reetta	Member	Student Representative
Mr.B.Muthukumar	Member	Student Representative

**5.1.13 Enumerate the welfare schemes made available to the students by the institution.**

- Merit scholarships and fee concessions for deserving students.
- Separate hostel facilities for boys and girls.
- Transport facility from nearby towns and villages.
- Medical treatment at a concessional rate in a leading hospital.
- Subsidized canteen which supplies hygienic and nutritious food.
- Mineral plant drinking water facilities inside the campus.
- Awards to University Rank Holders.

**Table 5.1.13 (a) Fees concession / free accommodation/free transportation  
Mechanical Engineering**

<b>Academic Year</b>	<b>Fees Concession</b>	<b>Free Transportation</b>
2016-17	58	-
2015-16	39	-
2014-15	29	-
2013-14	22	-

**Civil Engineering**

<b>Academic Year</b>	<b>Fees Concession</b>	<b>Free Transportation</b>
2016-17	43	-
2015-16	41	-
2014-15	22	-
2013-14	18	-

**Electrical and Electronics Engineering**

<b>Academic Year</b>	<b>Fees Concession</b>	<b>Free Transportation</b>
2016-17	33	1
2015-16	25	-
2014-15	15	-
2013-14	12	-

**Electronics and Communication Engineering**

<b>Academic Year</b>	<b>Fees Concession</b>	<b>Free Transportation</b>
2016-17	50	4
2015-16	36	-
2014-15	28	-
2013-14	29	-

**Computer Science Engineering**

<b>Academic Year</b>	<b>Fees Concession</b>	<b>Free Transportation</b>
2016-17	58	3
2015-16	47	-
2014-15	14	-
2013-14	16	-

**Table 5.1.13 (b) University Rank Holders, Prize Awardees**

**Mechanical Engineering**

Rank holders	Batch	University Rank	Prize
A.Areef	2011 - 13	First Rank (PG)	Gold Medal
N.U.Rahul	2011 - 13	Second Rank (PG)	-

**Civil Engineering**

Rank holders	Batch	University Rank
R.Karthik kumar	2010-14	18 (UG)

**Electrical and Electronics Engineering**

Rank Holders	Batch	University Rank
SP.Latha	2009 -13	22 (UG)
S.Vignesh	2008-12	50 (UG)

**Electronics and Communication Engineering**

Rank Holders	Batch	University Rank
Ms.M.Vinothini	2010-14	31 (UG)
Ms.R.Meenal	2010-14	32 (UG)
Ms.R.Gayathri	2013-15	38 (PG)
Ms.D.Rajeshwari	2013-15	44 (PG)
Ms.M.Suganya	2013-15	45 (PG)
Ms.B.Deepalakshmi	2014-16	26 (PG)

**Computer Science and Engineering**

Rank Holders	Batch	University Rank
Ms. M.S.Nithya	2013-14	40 (PG)
Ms. D.Rethina	2013-14	44 (PG)
Ms. V.Bhuvaneshwari	2014-15	4 (PG)
Ms. R.Malarvizhi	2014-15	36 (PG)
Ms. M.Pavithra	2014-15	41 (PG)





Blissful moments of Graduation Ceremony

**5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?**

No. The institution does not have any registered alumni association. But the alumni assist the institution by providing information about the opportunities available for In-plant training, Internships, Industry projects and Job openings in companies through HOD and Faculty members.

**5.2 Student Progression**

**5.2.1 Providing the percentage of students progressing to higher education or employments (for the last four batches) highlight the trends observed.**

In our campus we have organized many campus Interviews and more number of students (UG/PG) have participated and placed in different Industries and Software companies.

Table 5.2.1 Student Progression

Student Progression	Academic Year	Mechanical	Civil	EEE	ECE	CSE
UG to PG	2016-17	-	-	-	-	-
	2015-16	02	2	1	4	-
	2014-15	01	3	1	1	-
	2013-14	-	1	2	7	8
<b>Employed</b>						
Campus Selection	2016-17	43	11	16	13	12
	2015-16	53	04	15	16	10
	2014-15	43	09	16	22	11
	2013-14	20	01	27	13	05



The moment of transition from a student to professional as our students offered with job call letter

**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the University)? Furnish programme-wise details in comparison with last of the previous performance of the same institution and that of the college of the affiliating university within the city/district**

**Table 5.2.2 UG/PG Course Completed Student Details**

**UG Course**

Programme	Batch	Total No. of Students	Total No. of Students Completed	Completion Rate
Mechanical	2009-13	65	54	83.07
	2010-14	75	65	86.66
	2011-15	116	88	75.86
	2012-16	128	97	75.78
Civil	2009-13	-	-	-
	2010-14	21	19	90.47
	2011-15	72	66	91.66
	2012-16	67	43	64.17
EEE	2009-13	51	43	84.31
	2010-14	69	51	73.91
	2011-15	26	17	65.38
	2012-16	25	20	80
ECE	2009-13	52	42	80.76
	2010-14	69	51	73.91
	2011-15	48	32	66.66
	2012-16	45	32	71.11
CSE	2009-13	12	12	100
	2010-14	59	40	67.79
	2011-15	27	17	62.96
	2012-16	27	21	77.77



**PG Course**

Programme	Batch	Total No. of Students	Total No. of Students Completed	Completion Rate
Manufacturing	2011-13	20	20	100
	2012-14	17	15	88.23
	2013-15	20	20	100
	2014-16	07	06	85.71
Structural	2013-15	22	19	86.36
	2014-16	15	07	46.66
Communication Systems	2012-14	15	15	100
	2013-15	18	17	94.44
	2014-16	10	09	90
Power Electronics and Drives	2013-15	10	08	80
	2014-16	07	07	100
Computer Science and Engineering	2012-14	18	16	88.88
	2013-15	15	15	100
	2014-16	06	02	33.33

**5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

The institution offering post graduate programmes are listed below:

- ME-Manufacturing Engineering
- ME- Structural Engineering
- ME- Power Electronics and Drives
- ME- Communication Systems
- ME- Computer Science and Engineering

Concession in tuition fees is given for students who have graduated from this institution and joins any of the above PG programmes. In addition to the above, the following system adopted in our institution helps the students to pursue higher education or move for employment. In our campus we have organized many campus Interviews and more number of ME students are participated and placed in different Industries and software companies.

**5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?**

Fear of failure and lack of confidence are the major challenges that students face and the institution takes all efforts to counsel and reduce the dropout rate.

- Freeship or concession in fees is provided to the economically weaker students when there is a risk of drop out due to their financial constraints.
- Remedial classes are conducted for slow learners after college hours and during holidays.
- Regular counseling to restore confidence are provided to slow learners by the Head of the Department.
- Professional mentor counseling is given to students when they fail/underperform due to psychological issues.
- Remedial classes are conducted by course in charge and support learner for improvement. Class coordinate and HOD provides necessary guidance at all stages.
- The institution arranges Parent-Teacher Meeting once in a Semester. Need based interactions will be made by the departments in addition. CCET messages informs about student performance and regularity details to parents. All necessary information about the Institution and student progress is periodically informed to Parents through letters with the following information:
  - Attendance with Test or Assessment Mark
  - Unit Test & Model Exam Schedule.
  - Events Planned.

### 5.3 Student Participation and Activities

#### 5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and programme calendar.

##### Sports and games

A play ground is available inside the campus with facilities to practice various Indoor and Outdoor games. Outdoor games include Volley ball, Ball badminton, Badminton, Kabadi, Cricket, Handball, Kho-Kho and Football. Indoor games include Chess and Table Tennis. Facilities are also available to organize various track events including athletics. A calendar of events that comprises of Sports Day, College Day, Farewell Day and Women's Day helps students to showcase their talents.

**Table 5.3.1(a) Sports achievements in our College 2016-17**

Name of the Student	Branch	Event	Place	Date
S.Mayakannan M.Athimoolam P.Prakash S.Murugesan	MECH	Decathlon	I	11.12.16 & 12.12.16
		400 Mts	II	
		Half Marathon	III	
		Javelin Throw	III	

M.Kalaiselvi	EEE	Heptathlon	II	11.12.16 & 12.12.16
		High Jump	I	11.12.16 & 12.12.16
R.Kowsalya	ECE	Half Marathon	II	11.12.16 & 12.12.16
		10000 Mts	III	11.12.16 & 12.12.16
P.Azhagumeena	CSE	10000 Mts	II	11.12.16 & 12.12.16
G.Dharani	Civil	High Jump	III	11.12.16 & 12.12.16
K.Balaguru S.Thanakkumar G.Suresh S.Vallarasu S.Ramkumar M.Athimoolam G.Vijayaragavan	MECH	Kho-Kho	Runners	16.08.16
M.Ganesan	EEE			
R.Prakashraj A.Surenthiran C.Saravanan G.Vigneshwaran	Civil			

Table 5.3.1(b) Sports achievements in our College 2015-16 (Zonal Level)

Name of the Student	Department	Event	Prize	Date
M.Athimoolam S.Mayakannan	Mechanical	400 Mts	Second	28.08.15
		Decathlon	Second	
S.Subalakshmi S.Suveetha	ECE	10000 Mts, Half Marathon	First	
		5000 Mts	Second	
P.Azhagumeena	CSE	Half Marathon	Second	
M.Dhileepkumar B.Gobi R.Senbagamoorthy K.Balaguru G.Suresh S.Vallarasu S.Ramkumar M.Athimoolam	Mechanical	Kho-Kho	Runner	25.08.15
K.Karthick R.Prakashraj A.Surenthiran	Civil			
M.Ganesan	EEE			



The moment of glory as our football team emerged victorious in the zonal competition

Table 5.3.1(c) Sports Achievements in our College 2013-14

Name of the student	Department	Event	Prize	Date
P.Prakash	Mechanical	Mini Marathon	Second	25.08.13

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal/National/ International, etc. for the previous four years.**

**Table 5.3.2 Achievements in co-curricular activities and extracurricular activities**

Department	No of Prizes won in various events			
	2016-17	2015-16	2014-15	2013-14
Mechanical	5	3	-	-
Civil	6	1	-	-
EEE	4	5	-	1
ECE	2	1	-	-
CSE	-	6	-	-

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

Once in a year we are conducting the annual alumni meet and graduation day in our institution. From graduates we have collected feedback for further development of the institution. And alumni graduates are interacted with our training and placement officers regularly. Feedback about the additional training to be given to the students and additional value adding infrastructure to be established are also obtained through other informal meetings. Accordingly, the Head of the Institution arranges a meeting of all the Head of the Departments and discusses how we are going to implement their feedback in proper ways and then presents a proposal for creating the additional value adding infrastructure in the governing council for its approval.

**5.3.4 How does the institute involve & encourage students to publish materials like catalogues/wall magazines/institute magazine & other material? List of material for past four academic sessions.**

The college takes all efforts to encourage the creativity and other artistic skills of the students by providing them more opportunities. In our college we have conducted the International conference on “Technological Developments in Engineering” and published the Proceedings. The College News letter and the College Magazine are avenues for the students to display their literacy and artistic skills. Students are encouraged to present papers in the State/National level conference which are published in the proceedings of the conferences.

### 5.3.5 Does the college have a student council or any similar body? Give details on its selection, constitution, activities and funding.

Yes, the college has a student council. The student council consists of all class representatives. The Head of the Institution periodically convenes the meeting of the student council to collect their feedback for improvement and sort out the genuine grievances if any that may exist. Student Association comprises of Vice President, Secretary, Treasurer and Office bearers. Every year the governing people are selected by following norms. Nominations are made by interested students.

### 5.3.6 How does the institution network and collaborate with the Alumni and former faculty of the Institution?

In our college we are having various administrative bodies for that student representative is nominated. By this representative they are invited for conduction of Cultural activity, College fests, Workshops, Science fests, First Year Orientation day, Annual day and forum activities and to represent in Governing body, Academic Council. Students are encouraged to develop Technological skill, updating knowledge, personality developments and to serve the society. Staff advisers guide students for the smooth functioning of these bodies.

The following are the academic and administrative bodies that include student representatives:

- Student Council
- Discipline Maintenance Committee
- Grievance Redressal Cell
- Anti Ragging Committee
- Library Committee
- Women Cell
- Class Committee
- Hostel Mess Committee
- Department Association Activities Committee
- NSS, RRC and Tamilmandram

### 5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution?

- The staffs who were relieved will also invited for any workshop that we conduct with respect to their stream.
- We don't have active alumni association as such, that we do network with them to refer the company they work to do a campus drive and also through them we make sure individual placements also done on a case to case basis.



## CRITERION – VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

#### 6.1.1 State the Vision and Mission of the Institution and enumerate on how the mission statement defines the Institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, Institution's traditions and value orientations, vision for the future, etc.?

The Vision statement of our Institution is “To emerge as a top-notch institution in creating and disseminating knowledge, and providing students a unique learning experience in engineering and other areas of scholarship that will best serve the world and betterment of mankind. The institution will strive to serve the rural students and fortify the downtrodden”.

The Mission statement of our Institution is “To carry out a practice to move ahead in knowledge in a meticulous academic and research environment and attract people in a gratifying and inspiring atmosphere by nurturing liberty, empowerment, ingenuity and novelty and to raise students and research scholars to serve humanity by attaining high levels of academic excellence, professional competence, exemplary values and spiritual empowerment”.

These statements of our institution mainly focus on providing a quality education to students and to make them fit technically, morally throughout the world.

The mission statement defines the institutions distinctive characteristics. Towards the accomplishment of its vision, it defines knowledge and skills, core value of innovations, creativity, social and economic values, new developments in science and technology for students. The institute is continuously improving and adopting new procedures to be recognized at level for imparting high quality technical education and progressive research.

#### 6.1.2 What is the role of Top Management, Principal and Faculty in design and implementation of its quality policy and plans?

The Quality Policy of Chendhuran College of Engineering and Technology is to provide high quality technical education to students of under graduate and post graduate in Engineering and Technology through systematic and professional approach for educational and identical development through effective implementation of quality management system.

The College is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements."

**Authorities and Responsibilities of Top Management**

- Management strives hard to design and implement the quality policy based on the Academic Council meeting.
- Management makes necessary provisions for providing the fund to maintain and improve the quality of infrastructure, faculty, teaching- learning process and research.
- Management periodically interacts with the Principal and discusses about quality plans and takes necessary steps to improve the quality policy and plans.
- Management encourages faculty members and students by giving awards for their achievements.
- Issues direction and guidelines in all aspects.
- Over all control of finance.
- Development of college and providing policy guidelines for growth.
- Responsible for conducting meetings of the Management Committee, Governing Council and Planning and Monitoring Committee.
- Appointment of faculties, their promotion, pays fixation and annual increments.

**Authorities and Responsibilities of Principal**

- Overall day to day administration of the college.
- Responsible for discipline in the college campus and curriculum standards.
- Arranging for meetings of Academic Council & Planning and Monitoring Committee.
- Implementing all the resolutions regarding the meetings.
- Submission of reports and returns to various agencies like Government, University, AICTE and other statutory bodies.
- Conducting Internal / University examinations as per Institutional / University guidelines.
- Ensure attainment of academic results.
- Sanction of CL and special leave for the faculty members.
- Overseeing the duties of HOD's.
- Approval of time table, internal assessments question paper.
- Overseeing of co-curricular and extra-curricular activities.
- Co-ordination of all R&D activities
- Liaison with Anna University for getting approval for various departments as research departments

- Interface between management and academics.
- Submission of student's scholarship relevant documents to the concerned sector.

### **Authorities and Responsibilities of Directors**

- Overall performance of college.
- Ensure attainment of academic results.
- Verification of time table.
- Member of Managing Committee, Governing Council and Planning and Monitoring Committee.
- Providing guidance in administration whenever necessary.
- Drive accountability, consistency, quality, and process standardization across all phases of research and development.
- Suggestions to the scholars to achieve their goals.
- Representing the activities of Research Centre.
- Guide the research progress of faculty members pursuing Ph.D.

### **Authorities and Responsibilities of HOD's**

- Overall in-charge for all activities of the department concerned.
- Organizing faculty meeting periodically to appraise and review the work.
- Representing the department in academic meetings.
- Discipline and academic achievements of the department.
- Development of laboratory for the department.
- Student assessment, evaluation and counseling of weaker students.
- Promoting extra-curricular activities pertaining to the department.
- Sanctioning casual leave to the faculty.
- Initiating disciplinary action whenever necessary.
- Organizing class committee meetings.
- Responsible for the overall functioning of the department and infrastructural development.
- Makes the subject allotment based on the specialization and willingness of the faculty members.
- Periodically reviews all academic activities and sends a copy of the review to the Principal.
- Plans and monitors the conduct of all the co- curricular activities such as symposia / workshop / seminar, value added courses.
- Interacts with industries and arranges for collaborative activities like In-plant training, Guest Lectures, Industrial Visit etc.,

- Coordinates with the Training and Placement Cell to facilitate students placement.

### **Authorities and responsibilities of Faculty Members**

- Maintain a high sense of dedication towards duties and responsibilities.
- Discharge all the duties and responsibilities assigned by the Principal and Head of the department from time to time.
- Adhere to the Protocols of the institution and maintain very high order of integrity.
- Handle the classes with thorough preparation and use the best teaching practices to make the classroom learning an interesting and informative experience for the students and also attend to lab classes.
- Supplement the syllabus with inputs on emerging trends.
- Counsel the students, identify their difficulties in learning and guide them to improve their performance.
- Identify the bright students and motivate them towards better performance and kindle their R & D pursuits.
- Maintain the class in perfect order and discipline.
- Guide student's co-curricular activities and encourage their participation in extracurricular activities.
- Pursue higher studies, equip themselves with the latest development in the chosen field and always upgrade their knowledge, pursue research, carry out sponsored projects and publish books and papers in reputed journals.
- Actively associate with all departmental and institutional activities.
- Mentoring students on academic and personal issues, leading to a better learning atmosphere.
- Assigned as coordinators for various administrative and academic responsibilities.
- Organizes department and college level programmes.

#### **6.1.3 What is the involvement of leadership in ensuring?**

##### **The policy statements and action plans for fulfillment of the stated mission**

Leadership is involved in formulation of the action plans in following the procedures and in giving guidelines to the faculty members in order to achieve the mission. Also the management extends the financial support for the academic development and continuous improvement.

The members from the Management, The Principal, Directors, HOD's and faculty members are easily approachable and they welcome the stakeholders for any suggestion or compliance for improvements. The policy statements and action plans are designed to fulfill the requirements of the mission. The leadership provides the necessary facilities to implement the policies and it is monitored and reviewed by different committees for the fulfillment of the mission.

### **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The action plans for operations are prepared under the supervision and guidance of the Principal and Heads of the Departments. Teaching plans, time table arrangements, various committees are initiated into their defined roles in formulating and achieving the strategic plan.

In order to achieve the vision and mission of the institution, the top management makes action plans in developing the infrastructure, facilities and career growth of the faculty and students etc. A well-structured mechanism is followed for managing reward system, and for resolving conflicts at all the levels through the stakeholder's involvement.

### **Interaction with stakeholders**

The college makes conscious efforts to build a healthy relationship with its stakeholder's namely-students, parents, alumni and industry.

- The inputs and feedback about the functioning and various other aspects of the college are collected through a number of ways. The feedback received from all stakeholders are reviewed, analyzed and remedial actions are initiated.
- Interaction of the Principal with various stakeholders, the faculty and the parents helps the institution in proper implementation of policies.
- The participatory role of the management encourages and sustains the involvement of the college faculty and staff members, which is necessary for effective functioning of the institution.
- Based on current trends the needs are analyzed, planned and implemented in consultation with the stake holders.
- Periodical interaction with the alumni is conducted for the benefit of the institution.

### Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- Plan and policy of the college are such that they meet out the market demand, industrial needs and stakeholder's requirement.
- Frequent meetings are held to discuss the needs of infrastructure, manpower and new developments for the academic activities.
- Amenities are created by the management in order to get the research projects and consultancy from the stakeholders and other funding agencies.
- The college gets feedbacks regularly from the students, parents and other authorities to frame the future plans.

### Reinforcing the culture of excellence

The Institution takes steps to create an environment for competitive academic activities and disciplined atmosphere.

- To strengthen the spirit of the students and develop their mental abilities, experts from outside are invited to deliver special lectures related to human excellence and personality development.
- The Management emphasis discipline, performance and placement among the students.
- The Principal stresses the need for unity in the excellence of behavior and service minded attitude among the students.
- Training programmes are organized for the faculty members and the management delivers the expectations of students and parents.



FDP Programme - KAIZEN'16 and its Events

### Champion organizational change

The management suitably implements the policies for accommodating changes as per the expectations of the stakeholders. The management supports the Heads of the Departments to create the best infrastructure for the courses. Faculty members are motivated through awards and rewards to make them to be champions.



- An improvement in conference and journal publication by faculty members and students.
- The Management encourages the faculty members and students to get patents for their innovative ideas.
- The institution organizes orientation programmes, career guidance, R&D activities for both faculty and students to promote the collaborative culture.
- To accomplish organizational change the processes of academic, research, co-curricular extra-curricular are reviewed continuously.

**6.1.4 What are the Procedures adopted by Institution to monitor and evaluate policies and plans of the Institution for effective implementation and improvement from time to time?**

- The committee meets periodically to discuss the progress of the college.
- Arranges campus interviews.



**Group Discussion by HCL Technologies & Gets Appointment order  
From Sungwoo Stamping**

- Institution is committed to the aspects of continuous improvement and evolves suitable strategies for the betterment of quality.
- Some members of the management trust serve as members of the college academic council.
- It evaluates the existing policies and gives guidelines for improvement.
- It monitors the preparation of academic calendar and prospectus of the college.
- Recommends to conducts motivational lectures, seminars, workshops and conference to achieve academic excellence.
- The facilities of counseling cell and grievance redressal committee are used to address and solve the problems of students.



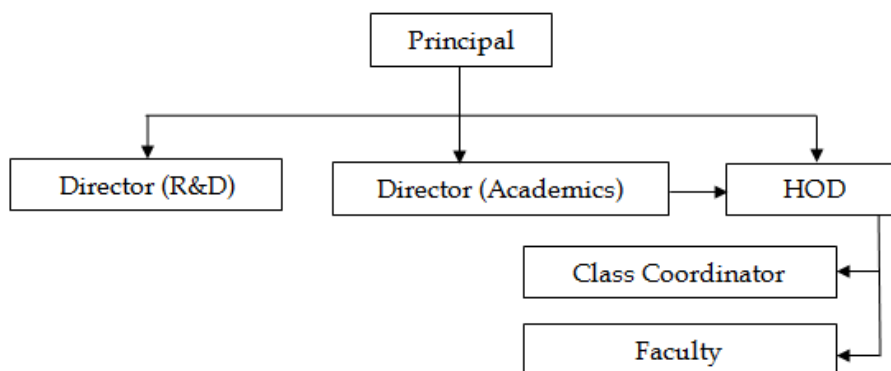
**Institute adopts the following procedure**

- Frequent meetings with the Heads of the Departments at the institution level and staff meetings at department level are conducted and the feedbacks are collected to monitor the effective implementation and improvement.
- Monitors the attendance of students through HOD and respective subject faculty.
- Conducts unit test and internal assessments.
- Analysis of university exams is done.
- Takes feedback from student's, alumni and industry.
- Class committee meetings are conducted by HOD to review the attendance, syllabus completion and students' difficulties.
- Accreditation for eligible programmes.
- Conducting conferences seminars, workshops, guest lecture etc.
- Promotes staff members and students to participate in seminars, conferences, workshops, quality improvement programs etc.
- Promotes participation of students in NSS, NCC activities to improve overall personality and attitude of service to the society.



**NSS - Tree Plantation & Campus Cleaning**

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**



- Top Management strongly believes that providing academic leadership at various levels improves the efficiency of the academic process.
- The management advises the Principal and all the Heads of the Departments to give absolute freedom during the selection of the subjects by staff while deciding the workload of the department and the staff can select subjects according to their willingness and specialization so that the students are benefited.
- Principal is the Head of the Institution and monitors the academic and administrative affairs with the assistance of the Directors (R&D) and Director (Academics).
- Each Department has a Head who is assisted by the Coordinators.
- All the department related activities are undertaken by the faculty in the department who has been assigned as Coordinators.
- The faculty decides the internal marks of the student based on the criteria given by the University.

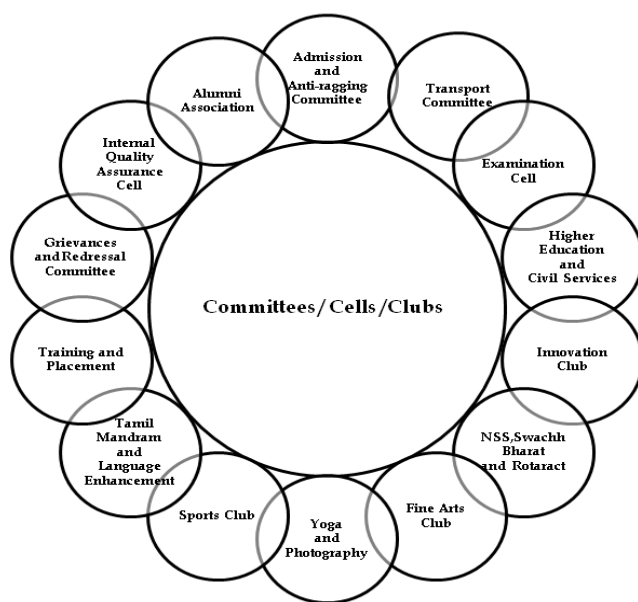
#### **6.1.6 How does the College groom leadership at various levels?**

- The Principal is the academic leader of the college.
- Under his leadership various academic and administrative committees are constituted at institutional and departmental level for planning and effective execution of the academic activities in the college.
- Keeping the talents and achievements of the faculty and seniority in mind, conveners and members are allotted to various committees.
- In nominating student representatives, academic merit and performance in other activities such as sports and games, participation in NCC and NSS etc., are taken into consideration.
- All the committees meet regularly and discuss the periodical developments of their assigned duties and convey the same to the Head of the college.
- Faculty members are given opportunity to display their leadership skills at various levels.
  - Admission committee
  - Anti-ragging committee
  - Grievances and redressal committee
  - Class Coordinator
  - Class Committee members
  - Chief Superintendant for University Examinations.
  - Exam Cell Coordinator
  - Physical Director
  - Placement Cell Coordinator
  - NAAC Coordinator

### 6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The institution believes in promoting a culture of decentralized governance system.

- Chairman empowers the Principal in all the academic and administrative activities of the Institution.
- The Head of the Department has the authority in deciding the activities and allotting the responsibilities to all faculties in respective departments.
- Academic responsibilities are fairly divided among all the faculty members.
- Committees are framed for the various curricular, co-curricular and extracurricular activities to be executed and this ensures transparency in policy execution.
- Faculty members who head various committees execute their assigned activities.
- The responsibilities are communicated to the faculty members through regular department meetings.
- The Principal holds regular meetings with the heads of the departments. In these meetings, various issues are taken up for discussion before arriving at a final decision.
- The Heads of the departments monitor the functioning of the departments and they conduct regular meetings with the faculty members.
- Students have autonomy in selection of electives, organizing department associations and college functions.



### 6.1.8 Does the college promote a culture of Participative Management? If “Yes”, indicate the Levels of Participative Management?

Yes, the college promotes a culture of participative management. Participative management levels are Management, Principal, and Heads of the departments, Faculty members and Students at each level active part is taken in planning and implementation of policy and matching it with the policy of the institute. Faculty is involved in planning and implementation of the academic and teaching-learning processes.

#### Top Management

- The management monitors suggestions for provision of taking welfare measures and quality improvements.
- Management invites a senior faculty member to represent the faculty in the academic meetings where important resolutions are taken.

#### Principal

- Guide projects for both UG and PG students.
- Depends on the marks and community roster of the student the admission process is approved.
- Taking decision regarding the issues specified by the anti-ragging committee.
- Monitors the activities of Research Centre.
- Monitors the research progress of faculty members pursuing Ph.D.
- Recommends faculty members for participation in Conference / Seminar / Workshop.
- Develop the activities of the innovation and creativity of the college.
- Motivate the academic progress of the departments.
- Approve the question papers for the Internal Assessment Test for all the subjects in every academic semester.
- Monitors the functions of head of the department, class coordinator, exam cell, placement coordinator, Physical Director and conveners of various committee.
- Monitors the class Internal Assessment marks for all students.
- Encourage the faculty performance in university results.

#### Head of Department

- Allocation of work load as per Anna University / AICTE norms for the faculties.
- Preparation of Time-Tables for all UG programmes and PG programmes.





## NAAC - Self Study Report

- Maintenance of the records relating to the details about the regular programmes like academic file, result analysis file, subject file of individual faculties etc., and research programmes offered under the department.
- Monitors the conduct of classes and assessments for all UG and PG classes.
- Implements the academic schedule (commencement of classes, assessment periods and last working day, etc) for each semester prescribed by the university, to inform the faculty members and students.
- Informing parents regarding lack of attendance and poor academic performance of the students.

CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY																											
Pizhulam (Po), Thirunayan (Tk), Pudukkottai (Dist) - 622 707																											
II Year B.E - III Semester - COMPUTER SCIENCE & ENGINEERING																											
Mark Entry - AU Web Portal - 28.09.16 to 26.10.16 (Spell 4)																											
Sl No	Roll No	Reg No	Name	MA6351-TPDF				CS6301-PDSII				CS6302-DBMS				CS6303-C A				CS6304-ADC				GE6351-EVS			
				UT-4	MOD	Total	BF Ass	UT-4	MOD	Total	BF Ass	UT-4	MOD	Total	BF Ass	UT-4	MOD	Total	BF Ass	UT-4	MOD	Total	BF Ass	UT-4	MOD	Total	BF Ass
				50	100	150	100	50	100	150	100	50	100	150	100	50	100	150	100	50	100	150	100	50	100	150	100
1	15CS01	910315104001	ABINAYAN	37	74	111	74	41	82	123	82	38	75	113	75	40	79	119	79	44	87	131	87	37	75	112	75
2	15CS02	910315104002	ALAGESAN S	40	81	121	81	40	79	119	79	41	81	122	81	40	81	121	81	41	82	123	82	39	77	116	77
3	15CS03	910315104003	AZHAGUMEENA P	40	80	120	80	41	82	123	82	41	81	122	81	41	82	123	82	44	87	131	87	43	85	128	85
4	15CS04	910315104004	BALASUBRAMANIAN A	44	87	131	87	43	86	129	86	38	75	113	75	42	84	126	84	44	88	132	88	41	81	122	81
5	15CS05	910315104005	BAVATHARANIM	45	89	134	89	47	94	141	94	48	95	143	95	47	94	141	94	48	95	143	95	46	91	137	91
6	15CS06	910315104006	BHUVANESHWARI M	49	98	147	98	49	97	146	97	49	98	147	98	49	98	147	98	49	97	146	97	49	97	146	97
7	15CS08	910315104008	ISHWARYA S	47	94	140	94	46	92	138	92	47	95	142	95	46	92	138	92	46	93	139	93	48	95	143	95
8	15CS09	910315104009	IYAAPPAN G	37	74	110	74	38	76	114	76	38	75	113	75	35	69	104	69	41	82	123	82	38	75	113	75
9	15CS10	910315104010	JANSI PRISHALLA A	42	84	126	84	41	81	122	81	43	85	128	85	44	87	131	87	45	89	134	89	43	85	128	85
10	15CS11	910315104011	KARI MALAI VASAN S	38	75	113	75	35	70	105	70	39	77	116	77	41	81	122	81	41	82	123	82	36	71	107	71
11	15CS12	910315104012	KARTHICKRAJA A	44	87	131	87	44	88	132	88	44	87	131	87	41	81	122	81	42	83	125	83	43	85	128	85
12	15CS14	910315104014	KOWSALYA T	43	86	130	86	44	87	131	87	40	79	119	79	42	84	125	84	44	88	132	88	45	89	134	89
13	15CS15	910315104015	MALATHI P	47	94	140	94	44	88	132	88	43	85	129	86	43	86	130	86	43	86	130	86	46	92	138	92
14	15CS16	910315104016	MUTHIAH M	43	86	129	86	43	86	129	86	43	86	129	86	40	81	121	81	42	84	125	84	45	89	134	89
15	15CS17	910315104017	PANDISEL VIM	42	85	127	85	46	91	137	91	41	81	122	81	38	76	115	76	41	81	122	81	46	92	138	92
16	15CS18	910315104018	PANJALI T	48	96	144	96	46	92	138	92	47	95	142	95	45	89	134	89	45	91	136	91	49	97	146	97
17	15CS19	910315104019	PAVITHRA AR	44	87	131	87	44	87	131	87	41	82	123	82	44	88	132	88	44	87	131	87	45	90	135	90
18	15CS20	910315104020	RAMKUMAR R	42	84	126	84	44	87	131	87	41	82	123	82	43	86	129	86	42	84	126	84	46	91	137	91
19	15CS22	910315104022	RENGANAYAGI R	49	97	146	97	49	98	147	98	49	98	147	98	49	98	147	98	49	98	147	98	50	99	149	99
20	15CS23	910315104023	SATHYA S	47	94	141	94	46	91	137	91	46	92	138	92	44	87	131	87	44	87	131	87	43	86	130	86
21	15CS24	910315104024	SHALINI R	40	81	121	81	40	81	121	81	42	83	125	83	43	85	128	85	40	81	121	81	41	82	123	82
22	15CS26	910315104026	SUBBIRAMANIYAN T	44	88	132	88	45	90	134	90	41	83	124	83	44	87	131	87	42	84	125	84	43	86	130	86
23	15CS27	910315104027	VAIRARAMANATHAN V	47	94	140	94	47	94	141	94	49	98	147	98	49	98	147	98	48	96	144	96	47	95	142	95
24	15CS28	910315104028	VIGNESHWARI V	44	88	132	88	41	83	124	83	43	86	129	86	44	88	132	88	46	93	139	93	45	90	135	90
26	15CS29	910315104301	DEVIN	43	86	129	86	43	86	129	86	42	83	125	83	46	93	139	93	45	91	136	91	43	86	130	86
25	15CS30	910315104302	ELAKKIYA G	41	82	123	82	44	88	132	88	42	84	125	84	43	86	129	86	44	88	132	88	42	85	127	85
27	15CS31	910315104303	ELAKKIYA V	44	88	132	88	44	88	132	88	43	85	128	85	41	82	123	82	44	87	131	87	42	84	125	84
Name of the Staff				Mrs K Nidhya				Mrs P.L. Ruby Shalini				Mr B Vinodh				Mr K Pushparaj				Ms.M Suganya				Ms.N Ahrami			
Signature of the Staff																											
*Third Internal Assessment = (UT4 + MODEL) /150 *100																											
				COORDINATOR				HOD				PRINCIPAL															

### Analysis of Internal Assessments for CSE Department

<div style="text-align: center;">  <b>CHENDHURAN</b>  <b>College of Engineering and Technology</b>  <small>Pilivalam (Po), Thirumayam (Tk), Pudukkottai (Dt.) – 622 507</small>  <b>ANNA UNIVERSITY CHENNAI – Nov/Dec'2016 EXAMINATIONS</b>  <b>Result Analysis of CIVIL Department – VII Semester (2013-2017) Section -A</b> </div>								
Sl. No.	Subject Code	Name of the Subject	Name of the Faculty Member handled the Subjects	No. of Students Registered	No. of Students Appeared	No. of Students Passed	% of Pass for Registered	% of Pass for Appeared
1.	CE6701	Structural Dynamics & Earthquake Engineering	Ms. J. Esther Baby	41	40	39	95.12	97.50
2.	CE6702	Pre Stressed Concrete Structures	Mr. N. Mohamed Nizar	41	40	39	95.12	97.50
3.	CE6703	Water Resources & Irrigation Engineering	Mr. R. Dineshkumar	41	40	35	85.36	87.50
4.	CE6704	Estimation and Quantity Surveying	Mr. R. Greesan	41	40	38	92.68	95.00
5.	CE6010	Pavement Engineering	Mr. M. Ashik Mohamed	41	38	36	87.80	94.73
6.	CE6011	Air Pollution Management	Ms. U. Sayera Banu	41	40	39	95.12	97.50
7.	CE6711	Computer Aided Design Laboratory	Ms. J. Esther Baby	41	41	41	100	100
8.	CE6712	Design Project	Mr. R. Greesan/ Mr. N. Mohamed Nizar	41	41	41	100	100
Number of Students passed in all subjects - 35 Number of Students Arrear in one Subject - 5 Average Pass Percentage of all subjects - <b>93.90%</b>				 Principal				

### Analysis of Nov / Dec '16 University Result for Civil Department

#### Faculty

- Regular handling of classes in timely manner.
- Organizing each session interactively.
- Maintain subject log book, subject file related to the academic work.
- Participate in various committees and conduct various programmes to show their abilities.
- Given freedom by their respective heads to innovate new teaching methodologies
- Encouraged to develop leadership skills by being in-charge of various academic, co-curricular and extracurricular activities.
- Encouraged to have tie-up with industry experts and organize seminars.



**Our staff members celebrating sports day**

#### Student

- Organizing various programmes like Seminar, Workshop, Symposium etc., to bring their leadership qualities to limelight. Involvement to take up different



projects as a team and innovative products under the guidance of the faculty. Encourages to empower themselves through experimental learning.



Experimental Learning of Students



Experimental Learning of Students

## 6.2 Strategy Developments and Deployment

### 6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes; Our Institution has formally stated a quality policy. "The Quality Policy of Chendhuran College of Engineering and Technology is to provide high quality technical education to students of under graduate and post graduate in Engineering and Technology through systematic and professional approach for educational and identical development through effective implementation of quality management system. The College is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements".

Based on the vision and mission of the Institution, the governing council develops the quality policy driven by the needs of the industries, society and stakeholders to bridge the gap in curriculum and the same is deployed and monitored through:

- Internal Quality Assurance Cell.
- Enhancing teaching-learning process.
- Making self-deployment through FDP.



- Arranging industrial visits, in plant trainings, and guest lecture for students.
- Efforts are taken to provide career opportunities for the students.
- Student's performance is analyzed by the faculty and faculty performance is analyzed by the Principal. Finally the feedback is given to the management.
- Quality policy is periodically reviewed by the information gathered from the students, parents, various committees on teaching-learning process and development of the Institution are acknowledged for the further improvement of the performance and decision making.

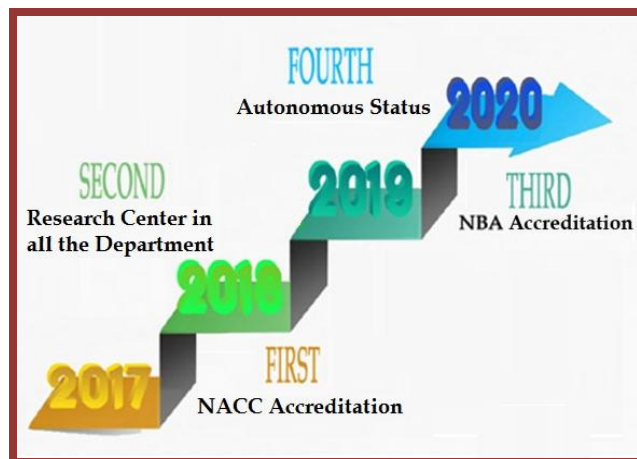


Guest Lectures to enhancing the knowledge of students

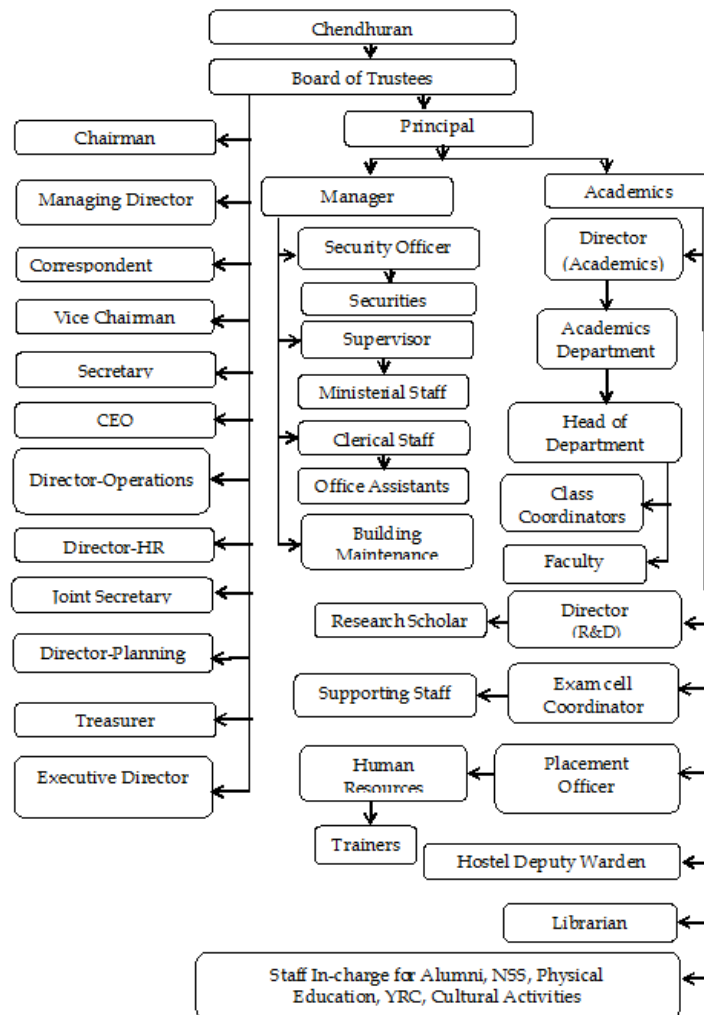
**6.2.2 Does the Institute have a Perspective Plan for Development? If so, give aspects considered for inclusion in the Plan.**

- Yes. The IQAC of the College plays a pivotal role in drawing the Perspective Plan of the College.
- The institution plans the expansion and up gradation of infrastructure, modernization of existing facilities, research and development and adoption of new courses. The Principal and Heads of the departments, plan the academic activities, consultancy, MoUs, Innovations in teaching and learning process etc.
- The perspective academic plan is developed by the Principal in consultation with members of the College Development Council, Vice Principal, and Heads of the Departments. Based on this plan, the academic Calendar for every academic year, indicating the academic schedule, is prepared.
- These plans are improved regularly to ensure the development of the college.
- After extensive discussions and deliberations at the Department level, at the level of student Council, at the level of different Clubs/Committees and management representatives the Perspective Plan of the College is charted and the same is also submitted to the Management for perusal.
- The IQAC of the College is entrusted with the responsibility of implementing the Perspective Plan and also submit the AQARs to NAAC on an annual basis.

## Perspective Plan of the Institution



### 6.2.3 Describe the Internal organizational structure and decision making Process.

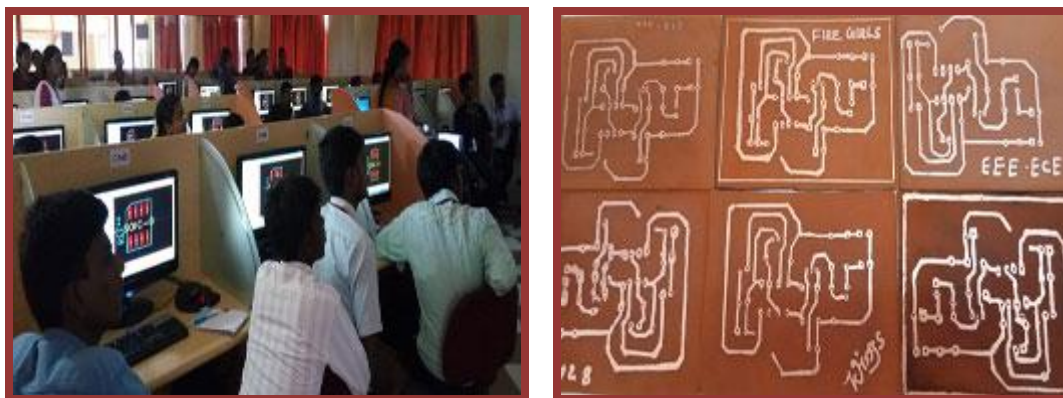


#### 6.2.4 Give a broad description of the quality improvement strategies of the College for each of the following

- Teaching and Learning
- Research and Development
- Community engagement (NSS/YRC / Swachh Bharat)
- Human resource management
- Industry interaction

##### Teaching & Learning

- The faculty members are assigned subjects before the commencement of the semester and submit the teaching plan and question bank to the Principal through the HOD and Academic Director.
- Faculty maintains the subject log books, records of daily lectures delivered and practical's conducted. This is reviewed by the HOD weekly and counter signed by Principal monthly.
- Use of NPTEL videos for handling class in effective manner.
- Encouraging students to attend inplant training, seminars and workshops conducted by various institutions.



**Workshop on PCB Layout Design & PCB Layout Board by ECE Students**

- Remedial classes for the slow learners.
- The effectiveness of teaching - learning process is reviewed on regular basis.
- Institute-parent interactive meetings are conducted to discuss the performance of the students for timely action and follow up.
- Principal, HOD's and Faculty members meet students and parents personally to discuss the progress of the students.
- Student mentor system wherein over 10 students are counseled by each Faculty.

- Students' attendance and performance are monitored and assessed by exclusive software called EMS which shows all the pertinent data of the students.
- The effectiveness of the teaching learning process is reviewed regularly in the following ways:
- Feedbacks are collected from the students and parents.
- Results of unit tests and model examination.
- Results of end semester examination.

### **Human Resource Management**

- The college strongly believes that human resource is the primary source of the institution. The college follows a well defined recruitment procedure as per the guidelines of AICTE and Anna university norms.
- The faculty members who are recruited are treated well and they work with the job satisfaction.
- The college provides sponsorships to attend career advancement programmes.

### **Research and Development**

- Formulation of research committee.
- Allocation of budget for in house R& D.
- Adequate journals, reference books, internet, lab facilities are made available and specially provided if required for particular project.
- Incentives and rewards for publications/ research.



**Journals for R&D Projects & Publishing Journals and Books**

### **Community Engagement**

- The Rotaract, NSS, Swachh Bharat and Youth Red Cross (YRC) hold programmes related to health and hygiene, environment and literacy involving the local community including economically and socially backward classes.



- The students of the college thus get an opportunity to imbibe the basic principles of serving the society.
- Blood donation camps are encouraged in campus to inculcate the responsibility of the students and faculty members towards the society.
- Free Scholarship for meritorious students



### Blood Donation by Rotaract & Awareness on World Literacy Day

College adapts the following activities regard to industry interaction

- Subject and technical Experts are invited from industries and create awareness among students to make innovative projects.
- Signing of MOUs and accreditation by industries.
- Consultancy services are provided to the industry.
- Students are permitted to do their project work in industry
- Faculty those who are attended training in industries share their knowledge and experience with others in the department.
- Students are permitted for Industrial visit and to undergo in-plant training in industry.
- Internships provide work experience opportunities to our students.




### MOU signed with Addaxie Technologies and Vingyan Innovations

### 6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Head of the Institution ensures the collection of information through the following means:

- Feedback from the students, faculty, alumni, recruiters and academicians
- HOD's meetings
- Suggestion Box
- Informal Interaction with the students
- Committee meetings such as Class committee and Hostel committee.
- This information is passed to the management and Stakeholders through the Governing Council meetings, Parents Teachers meetings, Alumni meeting, Frequent personal meeting with the management, Annual report and Newsletters.

 <b>CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY</b> LENA VILAKKU, PILIVALAM(PO), PUDUKKOTTAI – 622507 <b>EVALUATION BY STUDENTS</b> (Please mark the corresponding alphabet in brackets provided)							
SL. NO	SUBJECT	EV3 Abirami	CA Pulhazari	PD3-II Babystalin	DEM5 Vinnith	ADC Suganya	TBDE Withya
1	<b>Utilization of class hour</b>						
	(a) Utilizes in a planned way	✓	✓	✓	✓	✓	✓
	(b) Exceeds the class hour						
	(c) Does not engage the class for the complete duration						
2	<b>Audibility of Lectures</b>						
	(a) Sufficiently Loud	✓	✓	✓	✓	✓	✓
	(b) Too loud –tending to be unbearable						
	(c) Inaudible						
3	<b>Way of subject matter presentation</b>						
	(a) Good ( Neat & well organized)	✓	✓	✓	✓	✓	✓
	(b) Not bad						
	(c) Bad (Shoddy & Haphazard)						
4	<b>Stress given on difficult points (for backward students)</b>						
	(a) Enough	✓	✓	✓	✓	✓	✓
	(b) Too much						
	(c) Insufficient						
5	<b>Rate of presentation of the subject</b>						
	(a) Satisfactory	✓	✓	✓	✓	✓	✓
	(b) Slow						
	(c) Fast						
6	<b>Language (Vocabulary)</b>						
	(a) At the level of student			✓			
	(b) Too Powerful	✓			✓	✓	✓
	(c) Too poor		✓				
7	<b>Readiness to clarify doubts</b>						
	(a) Very much	✓		✓	✓	✓	✓
	(b) Not Much						
	(c) Nil		✓				
8	<b>Encourage given to questions by students</b>						
	(a) Tries to answer when asked	✓		✓		✓	✓
	(b) Tries to avoid questions		✓		✓		
	(c) Asks counter questions						
9	<b>Continuity between one lecture and the next</b>						
	(a) Always maintained	✓		✓	✓	✓	✓
	(b) Maintained at times		✓				
	(c) Not at all maintained						

Student Feedback Form

### 6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The Management encourages the faculty to takes up positions in various academic activities and administrative committees of the institution.

- The management has given academic freedom for the principal in teaching learning process, laboratory infrastructure, research and consultancy activities, faculty recruitment and welfare schemes.
- Updating computational facilities by upgrading computers and internet access.
- The management provides funds for co-curricular and extra-curricular activities.
- Encouraging faculty to undertake R&D and consultancy work.
- The management encourages and supports faculty by providing financial assistance to attend FDP / Conferences / Workshops / Seminars in their field of specialization.
- Faculty those are pursuing higher studies are granted on duty leave.
- Facilities are provided to non-teaching staff to undergo part time studies.
- Freedom of action and decision, freedom of thought and expression are the provisions of idea generation and implementation.
- Staff members are made members of a committee in the college level functions and other programmes.
- This improves the effectiveness and efficiency of the Institutional processes through effective involvement of teachers.

### 6.2.7 Enumerate the resolutions made by the management council in the last year and the status of implementation of such resolutions

The management has made several resolutions on academic, administrative and financial aspects of the college and they have successfully been implemented. Some of them are

- To obtain research center status for all department from Anna university. Also it is proposing to get research centers status to other departments.
- To improve the students placement in reputed companies.
- To establish professional chapters and engaging the students in technical activities.
- To take necessary steps to improve the performance of students in the internal and university exams.
- Each department has to organize a national level conference, state level seminar and workshop in one semester and a state level symposium during another semester.



- Faculty must publish one research article in a national / international journal
- All the departments should publish text books with an ISBN number.
- Converting the campus into an English speaking campus.
- The departments are choosing the toppers from each year and give them special attention in order to get university ranks.
- Organizing orientation programme for new faculty members.
- Providing uniform yearly to ministerial staff.

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated College? If “yes”, what are the efforts made by the College in obtaining autonomy?**

Yes, the university allows autonomy status. However the college is not old enough to apply for autonomous status.

**6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a Mechanism to analyses the nature of grievances for promoting better stakeholder relationship?**

Yes; the Institute has a grievances cell to resolve the grievances of students and staff.

- Grievances/Redressal committee provides complaint boxes at various locations in campus grievances redressal committee conduct meeting frequently and discusses about the grievances given by the students and staff and takes the necessary steps to resolve the grievances immediately.
- Anti-Ragging committee was formed and the contact numbers of the committee members are displayed in all notice boards through which students can contact the committee members for their grievances and to resolve it.

**6.2.10 During the Last Four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

No court cases have been filed against the institute.

**6.2.11 Does the Institution have a Mechanism for analyzing student feedback on Institutional performances? If “yes”, what was the outcome and response of the Institution to such an effort?**

Yes; the Institution has a mechanism for analysing the student feedback on institutional performances.

- The feedback from the students regarding the staff members, facilities and other issues are received twice a semester.

- By conducting the class committee meeting the difficulties faced by the students are rectified.



**Class Committee Meeting to rectify student difficulties**



**Receiving Feedback from Parents**

- By means of alumni meeting, the feedback regarding the institution from passed out students is collected.
- As a result of those feedbacks, the Principal is able to interact with faculty and HOD's to improve the institutional performance. Then Principal is able to convey the problems discussed in the meeting to management. The management finally takes proper decision to improve the overall competency of the students.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?**

##### **Teaching staff**

Our institution provides better way to promote the teaching staff in many way which include

- Enrich the quality of faculty by attending workshops, FDP which are conducted by various institutions.

- Providing Registration fee, TA/DA and on duty Leave to attend the workshops.
- Motivating the faculties in their research work.
- Encouraged to guide main projects and mini projects for both UG and PG.
- Staff members are encouraged to utilize laboratory, internet facility and library for their research.
- Faculties are encouraged to publish journals and books related to their domain.

#### **Non teaching staff**

- Non-teaching staff are permitted to do their higher studies through part time or distance education.
- In order to improve their skills they are motivated to participate in various workshops.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- Teaching staff are permitted to pursue Ph.D for attaining the next cadre.
- Yearly revision of pay is done for the teaching and monitoring staff members depends on the performance.
- The staff members are appreciated in the college day functions.
- Industrial visits are organized to improve the technical skills of faculties.
- Every new faculty is guided by the concern HOD to prepare teaching plan, Question bank, subject preparations.
- Non-teaching staff are permitted to do their higher studies through part time or distance education to promote for their next level.

#### **6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

Self appraisal system focuses the individual contribution in the following areas.

- Student Feedback
- Self appraisal
- Examination results
- Academic Performance
- Upgrading the qualification
- Publication of books and articles
- Research Publications
- Service to the department
- Involvement in placement and training activities

At the end of each academic year the faculty will fill the self appraisal form which will be evaluated by the principal through the HOD.

CHENDHURAN		Chendhuran College of Engineering and Technology Lenavilakku, Pilivalam POST, Pudukkottai-622 507.			
FACULTY ASSESSMENT (2015 – 16)					
Name of the Faculty:			Designation:		
Department:			Date of Joining:		
Period of Assessment:					
Experience:					
Teaching		Industry		Total	In CCET
Engineering	Poly	Arts & Science			
Evaluation Criteria					
1. Subjects Handled					
Odd Semester (2015-16)			Even Semester (2014-15)		
Sl. No.	Subject Code, Name and Section	% of Result	Sl. No.	Subject Code, Name and Section	% of Result
1.					
2.					
3.					
4.					
5.					
2. Workshops / Conferences / Seminars / FDP attended					
Sl. No.	Name of the Programme	Name of the Organization	Duration		
1.					
2.					
3.					
3. Publication: Journals / Conferences / Books					
Sl. No	Title	Name of the Journal/Conference	Authors	Volume/Issue/Pages/Year	
1.					
2.					
3.					
4.					
4. Programme Organized					
Sl. No.	Name of the Event	Date	Role		
1.					
2.					

### Staff Appraisal Form (2015-16)

#### 6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Based on the appraisal form collected from each faculty the Top management discuss with the Principal according to the recommendation given by the Principal, the following benefits are,

- Annual Increment.
- Pursue higher studies ( Ph.D and PDF).
- Publish research papers in reputed journals.

- Publish books related to their domain.
- Cash Award.

**6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

- Insurance is provided for all the staff members.
- In case of any sudden accident the top management provides some fund.
- Sanctioning to avail the bank loan.
- One third of bus fees are only taken for teaching staff and 100% free for non-teaching staff.
- ATM facilities are provided inside the campus.



**Providing fund to the sweepers & ATM Facility in CCET**

- Employees provident fund is being deducted from the salary paid to staff.
- Cash awards for producing good academic performance.
- Sports events and games are arranged for staff members to entertainment.
- Yoga classes are provided in order to refresh the mind for mental boost up.
- CL Reimbursement amount will be provided after every academic year.
- Two times a day refreshments are provided.
- Providing uniform to the ministerial staff.


**6.3.6 What are the measures taken by the Institution for attracting and retaining eminent Faculty?**

- Cash awards to the faculty members who achieved best performance in university examination results.
- Rewards for good performance.



- The wards of the employees of Chendhuran College of Engineering and Technology are given fees concession.
- Faculties are encouraged to pursue their higher studies with sponsorship.
- Financial supports are provided for attending national/international conferences, seminars, workshops etc.,
- Responsibilities like convener, coordinator members of various committees are allocated.
- Providing on-duty for guest lecture, research, consultancy activities etc.,

CCET-LA-T



## CHENDHURAN COLLEGE OF ENGINEERING & TECHNOLOGY,

Lenavilakku, Pilivalam (Post), Pudukkottai(Dt) – 622 507.

LEAVE APPLICATION

Name of the Staff Member : R. Mangalam Date: 28.09.2016

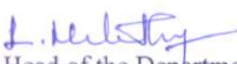
Designation and Department : AP & ECE


Date(s) of leave : 29.09.2016 & 30.09.2016


Number of Days : 2 days

Nature of leave : CL / CCL / OD / VL / LLP / SL / CL by Phone

Reason for leave : workshop at Anna University, Chennai

  
 Head of the Department

  
 Principal

  
 Signature of the applicant

Class Work arrangement

Date and day	Period	Name of the alternative Staff	Signature of alternative staff
29.09.2016 Thursday	2 <sup>nd</sup> hr - III-y	L. Malathy	L. Malathy
	4 <sup>th</sup> hr - III-y		
	6 <sup>th</sup> hr - II-y		
30.09.2016 Friday	3 <sup>rd</sup> hr - III-y	K. NITHYA	K. Nithya
	5 <sup>th</sup> hr - II-y	J. Balasubramanian	J. Balasubramanian
	4 <sup>th</sup> hr - IV-y	M. Saravanan	M. Saravanan
		M. SUGANYA	M. Suganya

### On-duty Application



## 6.4 Financial Management and Resource Mobilization

### 6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The financial resources of the college are managed in a very effective and fool proof manner.

- Annual Budget for the institution is prepared at the beginning of the year, considering the potential income and expenditure involved.
- The departments also come up with their annual budget based on which the required funds are allocated for the year. Every department will prepare the advance budget required for the next academic year in terms of obtaining lab equipment, laboratory facilities and infrastructure and up-gradation of computational systems.
- The budget submitted by the HOD's is carefully scrutinized by the principal and consent is sought from the chairman.
- All the incomes are deposited in the bank and all the expenditure are incurred through City Union Bank.
- All transactions are supported by vouchers.
- Only duly authorized persons operate the transactions through the bank. All bills/invoices/vouchers are scrutinized by account staff and approved by the Administrative officer.
- Audited financial statements including Income and Expenditure Account, Balance Sheet etc. are prepared by qualified auditors and submitted to banks and other regulatory agencies.

### Financial Planning

Financial planning is also done by the Principal in consultation with all the related committees. The finance committee looks after any of the financial matters.

- Salaries of regular staff, labor through outsourcing etc.
- Establishment and Maintenance, including the electricity and telephone bills.
- Statutory fee, Affiliation fee, AICTE prescribed fee and NAAC application submission etc.
- Examination section related expenditure.
- Equipment related expenditure covering Computers, Peripherals and Installation.
- Expenditure relating to Lab equipment & Classroom equipment, Maintenance related (Civil, electrical etc.) Consumables and Non-consumables expenditure.

- Academic activities like conferences, co-curricular & extracurricular activities.
- Infrastructure, office infrastructure, including stationery, classroom infrastructure, planning civil constructions, including buildings and individual items in association with campus facilities & maintenance committee etc.
- Repairs of all kinds of service oriented activities.
- Hospitality for visitors other than those invited for special meetings like conferences, governing body, Academic Council, Finance Committee, BOS etc.,
- Campus Interviews related expenditure.
- Website Maintenance.
- Library purchases like Books, Journals, Computers and Information processing.
- Software, information portals.
- Software installation and maintenance.
- Printing expenditure.
- New Programmes of study at different levels.
- Introduction of new courses in the existing programmes, including increase in intake for the existing ones.
- Admission related activities.
- Preparation Brochure, Hand Book, Alumni book, Syllabus Book etc.

**6.4.2 What is the institutional mechanism for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

**The Institution has a pre defined mechanism for internal and external audit**

- At the end of every academic semester stock of every department is verified by a team of faculty members from other departments who acts as internal auditors.
- In internal audit, expenses incurred against budget approved are verified. Expense vouchers approved by Principal are audited by internal auditors.
- After thorough verification, committees will submit their appraisals to the management representative and principal for follow up action.
- External audit is conducted at the end of the financial year.
- Account books are maintained as per statutory requirement and audited annually by qualified external Chartered Accountants.
- The college had the last external audit was held on 30.09.2016 and the accounts are audited by the external qualified professionals.
- An audit non-conformities are identified and remedial actions are initiated and also to ensure the institution for proper implementation of policies.

**6.4.3 What are the major sources of institutional receipts/ funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/ corpus available with Institutions, if any.**

**Major Sources of Income**

- As the college is a self financing institution, affiliated to Anna University, its income is mainly from tuition fee, receipts, as fixed by AICTE.
- It also collects fees towards hostel, mess & transport.

**Deficit Management**

- Bank Loan
- Thiruchendur Murugan Trust

**Income and Expenditure Account**

Particulars / Income	2013-14 Audited	2014-15 Audited	2015-16 Audited	2016-2017 Prov.
<b>Income</b>				
Tuition fee	5,24,89,748	6,47,05,283	4,45,16,714	3,30,32,809
Others	23,15,788	18,52,673	5,56,40,253	4,83,55,837
Total Income	5,48,05,536	6,65,61,556	5,56,40,253	4,83,55,837
<b>Expenditure</b>				
Affiliation fee and University fee	1,67,029	2,136,119	13,10,777.90	4,82,850
Power Fuel and Water Charges	26,78,119	40,78,548	24,12,353	23,10,266
Salaries, Wages and Allowances	1,46,58,750	1,86,82,280	1,42,03,638	1,44,86,844
Contribution to Provident Fund	86,316	2,23,686	2,45,032	1,73,606
Workmen and Faculty Welfare Expenses	29,67,797	36,56,394	20,08,288	26,12,320
Rent, Rates and Taxes	1,95,000	1,48,350	-	-
Insurance Charges	1,19,090	1,71,065	89,442	84,253
Repairs and Maintenance	19,20,735	32,10,762	27,29,912	12,92,839

Administrative Expenses	53,49,645	58,90,255	42,01,000	46,12,342
Financial and Bank Charges	16,102	7,445	5,010	5,460
Audit fee	-	86,750	-	28,350
Depreciation	46,59,856	41,05,257	34,78,430	39,84,575
Total Expenditure	3,43,21,679	42396911	3,06,83,882	3,00,73,705
Excess Income Transferred to Trust for Expansion and Equipment	2,04,83,857	2,41,464,644	2,49,56,371	1,82,82,132

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

- In addition to the tuition and other fees paid by the students, if required, the institution secures additional funding through term loans from commercial banks.

**Department: CSE**

Academic Year	Agency / Client	Program Title	Amount Received (INR)
2015-16	TATA Consultancy Services Limited	IBPS Examination in RBI	6,380

**Department: Civil**

Academic Year	Agency / Client	Testing and Analysis	Amount Received (INR)
2013-14	Mr. S.Kannan, Govt. Contractor, Karambakudi.	Contour Level	5,000
2014 -15	Mr. Ramasamy, Govt. Contractor, Karaikudi.	Concrete Cube Density	300
2014 -15	M/s.SSA Readymix Concrete, Pudukkottai.	Concrete Cube Density	300

2014 -15	M/s.Thangam , Flyash Bricks, Pudukkottai.	Compressive Strength	300
2014 -15	M/s.SSA Readymix Concrete, Pudukkottai.	Concrete Cube Density	300
2014 -15	M/s. CivilTech Constructions, Ponnamaravathy.	Concrete Cube Density	300
2015-16	Mr. P.Chinnappan, Govt. Contractor, Pattukkottai.	Concrete Cube Density, Steel rods and pH value for water.	1100
2015-16	M/s. SSA Readymix Concrete, Pudukkottai.	Concrete Cube Density	300
2015-16	Mr. PL.Chidambaram, Karaikudi.	Concrete Cube Density	300
2015-16	M/s.Vidhya Giri Foundations, Karaikudi.	Concrete Cube Density	300
2015-16	M/s.Antony Constructions, Okkur.	Concrete Cube Density	300
2016-17	M/s. Tajmahal Limited, Mrs. Tameem Fathima, Pudukkottai.	Concrete Cube Density	300

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the Internal Quality Assurance Cell (IQAC) of the College appropriately captures the quality policy of the College, strategies adopted and tools and methods followed to implement and institutionalize the quality policies.

Head-IQAC	
Dr. A.Naveen Sait	Principal
Coordinator	
Dr. M.Ravichandran	Director (R&D)
Members	
Dr. V.S.Vidhya	Director (Academics)
Mr. N. Rajakumar	HOD - Mechanical
Mr. R.Greesan	HOD - Civil
Mrs. L.Malathy	HOD - ECE
Mr. U.Thiruppathi	HOD - EEE
Mr. B.Vinoth	HOD - CSE
Dr. R.Velmurugan	Asso.Prof - Chemistry
Mrs. R.Mangalam	AP- ECE
Mr. N.Mohamed Nizar	AP -Civil
Mr. R.Ashok kumar	AP- Mechanical
Mrs. S.Barakathunisha	AP - EEE
Mrs. P.L.Baby Shalini	AP - CSE

### Quality Policy

The Quality Policy of Chendhuran College of Engineering and Technology is to provide high quality technical education to students of under graduate and post graduate in Engineering and Technology through systematic and professional approach for educational and identical development through effective implementation of quality management system. The College is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements.

### Quality Objective

- Stakeholder Satisfaction
- Environmental Cleanliness
- Academic Results
- Training & Placement
- Continual Improvement of Processes

### Contribution of IQAC

- The College intends to be a learning organization and believes in organizational learning. The College through its IQAC makes concerted and continuous efforts



to study, analyze and improvise every strategy, activity, process and procedure in all the domains of the institution with a view to achieve, sustain and enhance quality with a view to achieve excellence.

- The IQAC conducts a host of awareness programs, training programs and orientation programs with a view to imbibe quality among all its stakeholders.
- Continuous feedback, Comprehensive Academic Audit, Feedback from alumni, industry, parents, students, teachers and the community helps it to institutionalize quality culture.
- At every stage quality is maintained be it academics, administration, infrastructure etc.

**b. How many decisions of the IQAC have been approved by the Management/ authorities for implementation and how many of them were actually implemented?**

All the decisions of the IQAC Review Meeting are presented to the Principal. After review, the same have been implemented.

**IQAC Initiatives**

- Proper maintenance of files in the department.
- Enhancing teaching learning by objective questions and video display.
- Organizing /participating seminar, workshop, conferences at international level.
- Motivating UG and PG students for research publication.
- Participation in National and International level co curricular and extracurricular activities.
- Interaction with global wise industries.
- Conducting value added courses to meet industrial requirements.
- Training for skill development to enhance the employability skills.

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

NIL

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

**Contribution by Students**

- Students contribute to the IQAC through class committee meetings, Coordinators and semester wise feedback system.

- In the periodical Class Committee Meetings the students share their views on present teaching-learning process and how to improve them. The students have absolute freedom to point out the loopholes in the system and bring amendments to close the gap between the teaching and learning. They are encouraged to propose and organize various co-curricular and extra-curricular activities in the college.

#### **Contribution by Alumnus**

- Alumnus extends their help in getting placements and training the present batch of students.
- Alumnus interacts with junior, HOD's and principal during their visit to the institution.
- Alumni from India and abroad give information on the needs of the industries, skills required, vacancy positions etc., and share their experiences through the Placement Cell.
- Alumnus are helpful or arranging the in plant training and industrial visit to develop the knowledge of the students.

#### **e. How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC has staff representatives from the various departments who actively participate and carry out the decisions made by the IQAC and management. IQAC Coordinator visits the departments and conducts the meetings with the heads of the departments and staffs to discuss about the effective implementation of the IQAC initiatives. In the meeting, they review the performance of the staff. IQAC also engage some staff for its administration and development work. The communication is done through circulars, e-mails and minutes of the meetings.

#### **6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'Yes', give details on its operationalization.**

Yes, a well-structured and well defined quality management system is implemented.

- Our institution has many academic and administrative committees like IQAC, Admission, Extracurricular, Co-curricular, Training and placement, etc. Through active involvement, monitoring, evaluation and interaction of these various committees quality is assured.
- The College is an ISO 9001:2008 Certified Institution.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

- Yes; the Institution provides training to its staff for effective implementation of quality assurance procedures.
- Our Institution encourages the selected faculty on a regular basis to undergo the courses to enable them to perform internal audit for other departments.
- Further, employees are also trained at the department level.
- Faculty are advised to monitor the workflow of the competitive colleges and thereby to improve their inter personnel skills.
- Faculties are also being deputed to various training programmes related to quality assurance procedures and standards.
- They are given hands on experience of the quality parameters of the colleges and how to achieve them innovatively.
- Faculties are given how to integrate the theoretical knowledge with practical reality and how to achieve them through various examinations.
- Faculties are encouraged to participate in NAAC Training Programme organized by Anna University, Chennai

Name of the faculty	Department	Date	Name of the Programme
Dr. M.Ravichandran	Mechanical	29.10.2016 & 30.10.2016	NAAC Awareness Seminar/ Training on Quality System in Higher Education
Mr. N.Mohamed Nizar	Civil		
Mrs. R.Mangalam	ECE		
Mr. R.Ashok kumar	Mechanical		
Mrs. S.Barakathunisha	EEE		
Mrs. PL.Baby Shalini	CSE		

**6.5.4 Does the Institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?**

Academic audit is carried out by the Chairman, Chief Executive officer, Director – HR and the Principal. This audit is done in several stages. All the faculty members maintain Teaching plan in their subject files. These plans are periodically monitored by HODs by checking log books of faculty members. This is done at the end of every internal examination. If syllabus could not be covered as per schedule, the faculty members accordingly take extra hours to fulfill the requirements. The audit gives the

feedback about the areas where there is scope for improvement. Accordingly Institute plans and implements the processes.

**Academic audit is conducted periodically on the following**

- Subject files and lab manuals.
- Student's hourly and daily attendance.
- Internal exam conduction and evaluation.
- Internal marks for university examination.
- University examinations results analysis.
- Semester wise performance and comparison with other university affiliated colleges.
- Faculty development programmes and their impact on teaching - learning process.
- Cocurricular and extracurricular activities.
- Based on the report of internal academic audit, the courses of actions/measures being followed are reviewed and suitable remedial measures will be taken.
- Comparing the results of the internal assessments and university exams to ensure the performance of students.
- The audit takes place in the manner of student feedback, staff appraisal & parent teachers meeting.


**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/ regulatory authorities?**

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching-learning process. Teaching Quality is monitored by the HOD's concerned. Based on above the corrective and preventive actions are implemented. Feedback from the stakeholders is collected and on that basis the Institution ensures effective quality assurance. IQAC mechanisms are developed using the guidelines of various quality assurance agencies like NAAC and professional bodies for quality education.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

The institutional mechanisms are

- Proper planning of budget for the future semesters resulting in improvement in infrastructure, purchase of equipment, consumables and maintenance.
- Academic calendar prepared well in advance with plans for the whole academic year.
- Recruitment of qualified and dedicated faculties.
- Subject allocation based on the proficiency of the faculties.
- Enriching the curriculum with guest lectures, industrial visits and in-plant training.
- Monitoring of attendance and performance of students through EMS software.
- Effective internal examination and evaluation systems.
- Time table framed with hours allotted for library, internet, and sports.



# CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY

PILIVALAM (PO), TIRUMAYAM (TK), PUDUKKOTTAI (DT) – 622 507.

**TIME TABLE (2016-2017)**

<b>CCET-TT</b>
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BRANCH : ECE

YEAR: III

SEM : VI

L.H.NO. :07

DAY / TIME	09.10 a.m. to 10.05 a.m.	10.05 a.m. to 11.00 a.m.	11.15 a.m. to 12.10 p.m.	12.10 p.m. to 01.05 p.m.	01.05 to 01.50 pm – LUNCH BREAK	01.50 p.m. to 02.40 p.m.	02.40 p.m. to 03.30 p.m.	03.40 p.m. to 04.30 p.m.
MONDAY	CA RMR	INTERNET MS	CN LM	POM NK		AWP RM	CN LAB	
TUESDAY	VLSI JB	ME MS	CN LM	CA RMR		AWP RM	CSS LAB	
WEDNESDAY	VLSI JB	CN LM	ME MS	LIBRARY JB		POM NK	VLSI LAB	
THURSDAY	AWP RM	CN LM	VLSI JB	CA RMR		POM NK	AWP RM	SPORTS
FRIDAY	POM NK	AWP RM	ME MS	CA RMR		SOFT SKILLS		VLSI JB
						NRK		

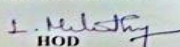
**\* NOTE: 11.00am to 11.15am & 03.30pm to 03.40pm are Breaks**


Principles of Management  
Computer Architecture  
Computer Networks  
VLSI Design  
Antenna and Wave Propagation  
Medical Electronics


- Ms.N.Keerthika  
- Ms.R.M.Rajarajeshwari  
- Mrs.L.Malathy  
- Mr.J.Balasubramanian  
- Mrs.R.Mangalam  
- Mrs.M.Suganya

Computer Networks Laboratory  
VLSI Design Laboratory  
Communication and Soft Skills Laboratory  
Soft Skills

- Ms.N.Keerthika  
- Mr.J.Balasubramanian  
- Mrs.A.Sumaya Banu  
- Mr.N.Radha Krishnan

  
**HOD**

  
**DIRECTOR (ACADEMICS)**

  
**PRINCIPAL**

Academic Time Table (2016-2017)

- In tune with the outcome based approach, the question papers for the internal tests are framed with a specific pattern which will enable the assessment of the attainment of enlisted course outcomes for each course.
- Entry of marks and attendance in the EMS software and overall semester wise performance in the EMS software.
- Prompt communication to parents about their wards performance and attendance.
- Display of projected internal marks and attendance particulars.

- Feedback received from students during class committee meetings and through structured questionnaires.
- Regular parent- teachers meeting to enable discussion, obtaining feedback and taking improvement measures.
- Remedial measures taken for slow learners and regular absentees.

#### 6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Institute's achievements and quality assurance policies are communicated to the stakeholders by various means via as,

- Institute website.
- Prospectus and Brochures.
- Magazines and Newsletters displayed in prominent places inside and outside the institute.
- Notice Boards.
- Newspapers.
- At Industry-Institute meets.
- Parent and Alumni meets.
- Community Engagement activities.



Quality Policies are communicated to the stakeholders



## CRITERION – VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

#### 7.1.1 Does the College conduct a Green Audit of its campus?

The college does not conduct green audit. However the institution is located in a pollution free and eco friendly environment with a land coverage of 23 acres. The institution is committed to its responsibilities to the environment and consciously monitors the up keep and maintenance of the campus. Larger number of trees are planted in and around the campus to make it a smoke free and clean . The college has spent a lot of money, energy and time for gardening to provide a congenial environment in the college and hostels. The institution regularly plants tree saplings and hence around 30% of the campus area is covered with trees . Separate team of workers are appointed to maintain trees and flowering plants. The institution regularly monitors and maintains the sanitary process, which keep the environment clean and healthy.

#### 7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

Our college is having green environment with number of trees and there are many initiatives taken to make the environment eco-friendly. They are energy conservation, water harvesting, plantation etc.

#### Energy conservation

- Students and Faculty members are being informed through circulars, notifications and conducting awareness Programme about the importance of energy conservation.
- Our office monitors that no lights, fans or air conditioners work during off hours and thus we reduce our electricity consumption.
- The stickers reading “Switch off Fans & Lights when not required” are pasted in the staff rooms, class rooms and all the laboratories.
- All the computer systems are provided with LCD monitors. In future, they will be replaced with LED monitors.
- Computers are switched to “sleep mode” when it is not in use during the working hours.
- The students have been made self responsible by switching off the lights and fans whenever not in use.
- The UPS Batteries were maintained in good condition which reduces charging current of batteries.

- Electrical equipments are periodically checked and monitored to ensure energy conservation.

#### **Utilization of renewable energy**

- Solar panels have been installed on roof-top of the academic and administrative block which is used for the purpose of water pumping and we also created awareness among the students and faculty members. It is proposed to set up a biogas plant in the hostel.



**Demonstration to our students about solar panel erected in our institution**

#### **Water Management**

- Rain water harvesting structure has been constructed at necessary places inside the campus. Provisions are made throughout the campus to facilitate rain water harvesting.
- A waste water management system is effectively implemented inside the campus. The treated water is used for gardening.
- All the buildings have the provisions to save rain water during rainy season.
- This system helps to maintain and improve the water table and due to this there has been a marginal improvement in the quality of the ground water in the campus.
- Soak pits are provided at convenient places inside the campus to enrich the underground water level.
- Use of polythene materials is banned inside the campus to increase water conservation.

**Carbon free environment**

Ours is a zero carbon emission campus as we do not use refrigerators, air conditioners and other carbon emitting equipments beyond the permitted scale and point.

- College provides bus facilities to the faculty members and non-teaching staff with an aim to avoid the use of individual vehicles and thus reducing carbon emission - Initiatives are taken to sensitize students and staff members in utilizing the common transport system in order to reduce the carbon emission.
- Trees have been planted in the campus to reduce the carbon content and make the campus green.
- Automobiles are not permitted inside the campus beyond the entry point to keep the campus pollution free. The college has made adequate arrangements for the parking of the vehicles near the entrance.
- College buses and other transport vehicles are tested as per the Indian pollution norms and the required periodical maintenance are carried out.
- Cigarettes and tobacco products are strictly banned within the campus.
- The students are encouraged to use college buses instead of using bikes and cars. It reduces the consumption of petroleum fuel, which in turn reduces the carbon emission.

**Green Campus**

- Tree Plantation activities are carried out on a regular basis through NSS and Rotaract club activities.
- Well-trained team of gardeners maintains the plantation within the campus.
- Different plants are nurtured with care. The college drives into the space for trees, garden and open spaces to protect the campus in GREEN.
- Students are encouraged to participate in environment related activities.



**Tree plantation by our students during NSS program**

## Waste management

- Generally no hazardous waste is generated in the campus from any Department. The condemned batteries are disposed through outside agencies.
- All precautions are taken to store few concentrated acids/chemicals in a safe and separate room.
- The liquid waste from the chemical laboratories are isolated and neutralized
- All the e-waste is accumulated and they are handed over to authorized agencies for disposal.

## 7.2 Innovations

### 7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

During the last four years our College has made several innovations which have helped for the effective and successful functioning of the college.

## Excellence Award for Students

Appreciation is the first step towards creating/achieving excellence. Hence, the institution appreciates the students those who are excellent in their curricular, co-curricular and extracurricular activities. The institution provides the following awards to the students every year during the annual day.

**Table 7.2.1(a) Various Awards given to our students**

Excellence	Award
It is based on the marks obtained by the students in the Anna University examinations during an academic year. This award is given for top two students of each class	Top Rank Holder Award
All the students who obtain rank at University level.	University Rank Holder Award
All the students who are regular to the classes without being absence for even a single hour during one complete semester.	100% Attendance Award





## Awards received by our students

### Smart Classroom

To improve the teaching learning process, each department is provided with a smart class room which contains a system with software called “Activinspire”, touch screen board, speakers and a LCD projector. With a help of this smart class, faculty members can deliver their lectures very effectively.

- Seminar halls are furnished with Audio Visual equipments to teach wide variety of media.



View of Smart classroom

### Biometric Attendance System

It helps to maintain the attendance of the staff and students which in turn makes the office paperless.




Biometric Attendance System for student and staff

### Question bank Preparation

- Model question papers prepared by Faculty members were made available to students. This has helped students to perform well in university exams.

- Question banks for each subject is individually prepared by our staff members to help the students to analyze the university questions at the same time Questions sets by our faculty for Internal exams are based on higher cognitive levels like Apply, Analyze, Create and Evaluate rather than Remember and Understand questions.



**CHENDHURAN**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
EC6404 LINEAR INTEGRATED CIRCUITS

CCET – QB  
II YEAR ECE

**UNIT I BASICS OF OPERATIONAL AMPLIFIERS**  
**PART- A**

1. Define Slew rate.
2. Define offset voltage of an operational amplifier
3. Draw a non-inverting amplifier with voltage gain of 3.
4. Define CMRR.
5. What is the maximum undistorted amplitude, that a sine wave input of 10 khz, can produce, at the output of an op-amp whose slew rate is 0.5 v/us(741)?
6. What are the two requirements to be met for a good current source?
7. List the various methods of realizing high input resistance in a differential amplifier.
8. What is current mirror?
9. What is frequency compensation?
10. Give the characteristics of an ideal operational amplifier.

**PART- B**


1. Explain the internal circuit diagram of IC 741. Discuss its AC and DC performance characteristics.
2. i) Explain the working of a BJT differential amplifier with active load.  
ii) Write down the characteristics and their respective values of an ideal operational amplifier.
3. Draw the circuit of basic current mirror and explain its operation. Also discuss about, how current ratio can be improved in the basic current mirror. Sketch the improved circuit and explain.
4. i) Compare different configurations of differential amplifier.  
ii) Discuss frequency compensation in operational amplifier.
5. Define and explain slew rate. What is full-power bandwidth? Also explain the methods adopted to improve slew rate.

### Sample of Question bank



## Feedback Analysis Process

- Ability of teaching with respect to each item and comprehensive ability of the teachers will be analyzed.
- All the comments written by the students in the feedback forms will be communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enrich their teaching skills.



# CHENDHURAN

## COLLEGE OF ENGINEERING AND TECHNOLOGY

Pilivalam Post , Thirumayam Taluk, Pudukkottai - 622 507

Department of Electronics and Communication Engineering

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### CLASS COMMITTEE MEETING - MEETING MINUTES

Year/Sem : II/III Date : 19.08.14

The following is an account of the minutes taken at the class committee meeting held between 1.30 pm and 2.00 pm on 19/08/2014 in Electronics lab.

**Attendees:**

**Staff Members:**

1. Mrs.K.Nithya
2. Prof.A.Primrose
3. Mr.S.Kannan
4. Ms.K.Subanya
5. Ms.R.Dharani
6. Ms.P.Usha

**Student Members:**


1. Mr.V.Manikandan
2. Ms.G.Padmashri
3. Ms.B.Saranya
4. Ms.V.Viji
5. Ms.A.Alamelu Mangai
6. Ms.R.Jansirani
7. Mr.AR.Hariprasath
8. Mr.K.Sathishkumar

**Reason for Meeting:**

This meeting was held in order to know the basic requirements of students regarding their academic needs and their problem with their subjects and general requirements.

Subjects	Faculty Name	Student's Opinion	Faculty's Opinion
Transforms & Partial Differential Equation	Mrs.K.Nithya	✓ Need extra care for lateral entry students.	✓ Lack of writing practice. ✓ Need two days in a week for coaching class.
Electrical Engineering & Instrumentation	Prof.A Primrose	No Comments	No Comments
Digital Electronics	Mr.S.Kannan	No Comments	No Comments
Signals and Systems	Ms.K.Subanya	No Comments	✓ Lack of Writing practice.
Electronic Circuits I	Ms.R. Dharani	✓ Need to explain individuality of each circuit.	No Comments
Object Oriented Programming and Data Structures	Ms.P.Usha	✓ The portion taken by Rajaram sir, need to be revise. ✓ Clear explanation for programming is required.	No Comments
Digital electronics Lab	Mr.S.Kannan	No Comments	No Comments
OOPS & Data Structures Lab	Ms.P.Usha	No Comments	No Comments
Library		No Comments	No Comments
General Problems		No Comments	No Comments

  
Class Co-ordinator

  
HOD-ECE

  
Principal

### Internet Facility

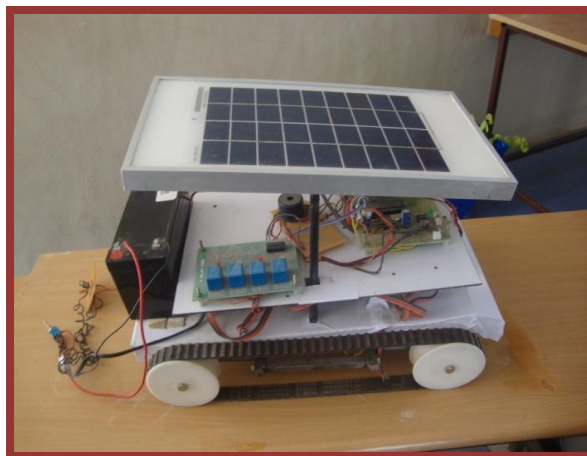
All the computers inside the campus are provided with internet connection with the speed of 32 Mbps. This helps the students and faculty members to educate themselves on research through e-journals and to enrich knowledge on other technical concepts.



**Internet Facility**

### Skill Development

- Mini Projects and major Projects are introduced to promote the research attitude among the students.
- Value added courses are conducted in each department to enhance the employability skills of the students.
- Considerable percentage of students in all the Departments is made to carry out their project work in industries.
- Industrial visits are arranged periodically by the Departments to give the students a practical knowledge and exposure to Industrial practices.
- Students are given opportunities to undergo in-plant training and internships and they may undertake their projects in those industries.
- Students have also placed their own innovative projects in Symposiums



**Innovative projects of our students**



**Innovative projects of our students**

### Quality Enhancement

- Career guidance and Placement cell of the college are active, which has resulted in more number of placements and better career orientation for students.
- It consists of faculty members with expertise in soft skills training and aptitude.
- In regular time table weekly two hours are given to soft skill training for each class.
- Aptitude and technical skill training are provided to all students.
- Final year students undergo training in soft skills enrichment, group discussion and mock interviews.
- Students are motivated to participate and present papers in National and International conferences.
- Faculty members participate in FDPs to improve their teaching skills





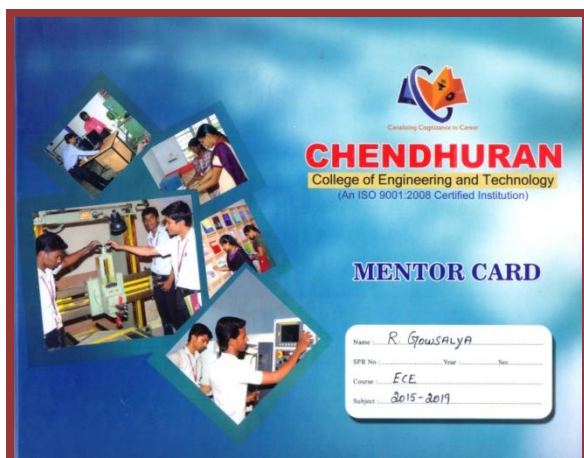
**Personality Development Program for Students**

### **Knowledge Enrichment**

- Department of Mechanical Engineering and Department of chemistry are approved as “RESEARCH CENTRES” of Anna University to pursue Ph.D Programme.
- Special attention is given on research activities and publication of research papers by students and faculty members.
- Every semester Management Review meeting is conducted to review all the academic activities for further development of the college.
- All the departments conduct national level technical symposium to make the students to know about recent trends in technologies.
- In regular time table weekly one hour is allotted for internet and library. During these hours students can read national and international journals and magazines to improve their technical knowledge.

### **Monitoring System**

- Each faculty member takes the role of mentor for a batch of 15 students for monitoring the activities of the students.
- Each class has a class coordinator who gives proper guidance and counseling to the students.
- Each department is provided with a finger print machine. Presence of each student is ensured with the help of fingerprint machine.
- We have also placed number of CCTV Cameras to view the activities of students.
- The absence of every student is intimated to their parents through SMS by the class coordinator during the first hour of the day regularly.
- The unit tests marks of all students are sent to their parents periodically.
- Thus the multilevel monitoring system provides the good results in academics.



CHENDHURAN COLLEGE OF ENGINEERING & TECHNOLOGY												
CONTINUOUS ASSESSMENT REPORT												
SEMESTER I												
Academic Year 2015-2016												
S. No.	Subject Code	Subject Name	Exam marks				Assignment marks					
			IA-1	IA-2	IA-3	Model	1	2	3	4	5	
1.	CH 6151	Engg. Chemistry - I	98	100	100	82						
2.	PH 6151	Engg. Physics - I	92	98	88	52						
3.	MA 6151	Mathematics - I	95	54	50	58						
4.	CS 6151	Computer programming	87	73	72	82						
5.	GE 6151	Engg. Graphics	72	92	90	86						
6.	TE 6151	Technical English - I	84	74	58	52						
			528	491	453	412						
Attendance Particulars in percentage												
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Disciplinary Actions (If any)					
Attended	151	154	147	133	588	994						
On duty												
ML												

Mentor note maintained for each student

### Special care for slow learners

The slow learners are identified after analyzing the unit tests and necessary Study guidance and coaching will be given by the faculty members beyond the working hours.

CHENDHURAN College of Engineering and Technology					
Pillaiyilam (Po), Thirumayam (Tk), Pudukkottai (Dist) - 622 507					
RETEST DETAILS (UNIT TEST-II)					
DEPT: ECE			DATE: 18.8.2016		
Class	Total No. of Students	Appeared	Absent	To be Appeared for Retest	Subject
II Year	19	19	-	09	EEI
III Year	17	16	01	05	EVS
IV Year	20	18	02	05	SC
Name of the Retest Students					
II Year ECE					
1. ARINAYYA R.					
2. ARYAN K. A.					
3. ARUN K. A.					
4. ARUN K. A.					
5. ARUN K. A.					
6. ARUN K. A.					
7. ARUN K. A.					
8. ARUN K. A.					
9. ARUN K. A.					
10. ARUN K. A.					
III Year ECE					
1. ARUN K. A.					
2. ARUN K. A.					
3. ARUN K. A.					
4. ARUN K. A.					
5. ARUN K. A.					
6. ARUN K. A.					
7. ARUN K. A.					
8. ARUN K. A.					
9. ARUN K. A.					
10. ARUN K. A.					
IV Year ECE					
1. ARUN K. A.					
2. ARUN K. A.					
3. ARUN K. A.					
4. ARUN K. A.					
5. ARUN K. A.					
6. ARUN K. A.					
7. ARUN K. A.					
8. ARUN K. A.					
9. ARUN K. A.					
10. ARUN K. A.					

Retest Schedule



### Parents Teachers Meeting

- Parents Teachers meeting is conducted at the beginning of every semester and at the end of fourth unit test.
- The class coordinator will give the detailed analysis of each and every student to the parents.
- Necessary counseling and corrective actions are taken by both parent as well as teachers to improve the student's performance in all aspects.

### Games and Sports facilities

The institution has a huge sports ground. Students are encouraged to participate in various zonal and inter zonal tournaments.

- Students are provided with various sports kits and equipments.
- They participate in inter collegiate and inter University matches.
- Sports day is celebrated every year with various sports as Outdoor game events like Long Jump, Volleyball, Cricket, Throw Ball, Athletics, Basket Ball, and Indoor events like Table Tennis, Carom, chess, Shuttle, etc.



### Sports Day Celebration

- Institute sport ground has following facilities:
- Cricket ground
- Running track
- Long jump facility
- Volleyball court
- Football ground

To manage all sport activities, a well-qualified physical education faculty is appointed.

**Extracurricular activities**

To encourage the students in extracurricular activities various clubs are formed and different activities are performed in each club. We have almost 14 clubs in our institution to develop the skills of our students. These includes,

- Civil service club
- Higher education India club
- Human Rights Club
- Innovation club
- Language enhancement club
- NSS and Swachh Bharat Club
- Yoga club
- Photography club
- Rotaract club
- Sports club
- English club
- Tamil Mandram
- Fine arts

Some of the club activities performed are listed below

**NSS Club & Swachh Bharath club - Plastic Eradication**

Swachh Bharath unit of our institution organized plastic eradication and tree plantation programme at our institute premises on 23.07.2016. Our Institution conveys its appreciation to Swachh Bharath Co-ordinator and the volunteers to continue such efforts at regular intervals at all times.



**Swachh Bharath- Campus Cleaning Programme**



Tree plantation

## 7.2.1(b) Details of activities performed in NSS and Swachh Bharat Club

Date	Programme	Resource Person
22.08.2016	Short Film "Neerintr Amaiyaathu"	CCET and Information & Public Relations Department.
09.07.2016	Guest Lecture	Advocate Mr.Murugesan, Thiruppathur.
11.08.2016	Purchase of Materials for NSS & Swachh Bharath	-

**Rotaract Club**

**Staff In-Charge:** Mrs.M.Kirithika Devi, AP/ CSE

Rotaract focuses on the development of young adults as leaders in their communities and workplaces. The purpose of Rotaract is to provide an opportunity for young men and women to enhance the knowledge and skills that will assist them in personal development, to address the physical and social needs of their communities, and to promote better relations between all people worldwide through a framework of friendship and service.



AIDS Awareness Programme &amp; Blood Donation Camp





World Literacy Day

## 7.2.1(c) Activities performed in Rotaract club

Date	Activities conducted	No. of Participants
09.07.16	Introduction about the club	7
23.07.16	Discussed about the forth coming programmes	10
13.08.16	Prepared document for conducting installation of office bearers	10
27.08.16	Students were participated in essay competition	7
17.09.16	Collected blood groups and phone numbers of the students	5

**English Club**

**Staff In-Charge:** Mr.B.Muthukumar, AP/English

In many parts of the world English is taught as a second language, even then it is not given enough emphasis. And so, when students graduate from school and enter colleges and universities, the problem starts. Students are unable to cope up with the syllabus even if they are intelligent students in their schools. The only answer is because most of the courses offered are in ENGLISH. Therefore, we need English Club in our college in order to overcome the problems. This club aims for students to be able to communicate, respond and write well in English. Therefore, they can use English in their daily lives.

## 7.2.1(d)Activities performed in English club

Date	Source/Resource Person(s)	Activities conducted	No. of participants
09.07.16	Mr.B.Muthukumar	Explained about English language	8
13.08.16	Mr.K.NoorMohamed, Mr.M.Abulhasan, Mr.B.Muthukumar	Attended workshop and engaged in smart class for listening and reading videos.	36
27.08.16	Mr.M.Abulhasan, Mr.N.Radhakrishnan, Mr.B.Muthukumar	Self introduction taught vocabulary	34
17.09.16	Mrs.A.Sumayabanu, Mr.M.Abulhasan, Mr.B.Muthukumar,	Elucidated preposition, correction of errors and question formation debate was held. Displayed conversational and motivational videos	38

**Tamil mandram**

**Staff In-Charge:** Dr.V.S.Vidhya, Asso. Prof. /Chemistry

“தமிழ் இனி மெல்லச் சாகும்”, என்ற நிலை மாறி, “தமிழ் இனி வெல்லப் போகும்”, என்ற நிலையை உருவாக்குவதற்கான ஒரு சிறு முயற்சி தான், இந்த “தமிழ் மன்றம்”. தமிழனாய் பிறந்த ஒவ்வொருவரும் தன் தாய்மொழியின் வேரறிய, நம் முன்னோர் வாழ்ந்த அடையாளங்களைத் தேடிச் செல்லும் ஓர் அற்புதப் பயணம். தமிழின் பாரம்பரியமும் தமிழரின் கலாச்சாரமும் மேலும் அறிவு சார்ந்த எண்ணங்களை மாணவர்களிடையே புகுப்பிக்கவும் ஊக்குவிக்கவும் தமிழ் மன்றம் வாய்ப்பை ஏற்படுத்தித் தருகிறது.



Teacher's day function organized by Tamil mandram

## 7.2.1(e)Activities performed in Tamil mandram

Date	Activities conducted	No. of Participants
09.07.16	Discussion with students, Speech practice, showed the speech persons videos.	5
23.07.16	Got feedback from students regarding importance of tamil, pronunciation of tamil and word games.	5
13.08.16	Pattimandram, talent of stage speech practice and to take lesson on body part language.	5
27.08.16	Teacher's day celebrated at the college on 2.9.16 by Tamil Mandram. Conducted writing competition, speech competition. Winners were appreciated by Mr.A.karuppaian, HM, govt. primary school, neduvasal and provide valuable speech to them.	5
17.09.16	Open book ability competition conducted by Vivekanandha Kendriya, Kanyakumari and Tamil Mandram.	5

**Photography Club**

**Staff Incharge:** Dr.R.Velmurugan, Asso. Prof. /Chemistry

Photographers use their cameras as tools of exploration, passports to inner sanctums, instruments for change. We are training our students who are interested in photography through our photography club.



A Photoshoot by our students in Photography club



## 7.2.1(f) Detail of resource persons for Photography club

Staff In-charge	Date	Source/Resource Person(s)
Dr.R.Velmurugan, Associate Professor, Dept. of Chemistry	09.07.16	Mr.Selvam
	23.07.16	Mr.S.Santhosh
	13.08.16	Mr.S.Balasubramanian

**Yoga club**

**Staff In-charge:** Mr.B.Vinoth, AP/CSE

It is a combination of physical and mental disciplines which make the body stronger and healthier and the mind calmer and more controlled, helping towards self-realisation. There are Yoga classes especially for beginners, intermediate and advanced practitioners, enabling teachers to grade their students and plan the lesson accordingly. Hatha Yoga is probably the best known form of Yoga which includes Asanas (body postures), Pranayama (control of vital energy through breath control), Kriyas (cleansing practices). Our institution understands the importance of Yoga and developed a yoga club. The main goal of our yoga club is to reduce stress and build self confidence in students and to increase the memory power of our students through Meditation and Relaxation.



Yoga programme at our institute premises

## 7.2.1(g) Activities performed in Yoga club

Date	Resource Person	Activities conducted	No. of participants
09.07.16	Mr.Yoga Pandiyan	History of yoga, pathanjali, stages of yoga, yama, niyama, asana, etc., brain games, memory power, benefits of yoga, yoga practice.	18
23.07.16		Motivational speech-time management, goals, designing of life, skills, etc., yoga practice, 8-types of yoga, breathing exercise, motivational theory, benefits of yoga, yoga practice-padmasanam, virutsasanam.	10
13.08.16		Discuss about mind-what is mind?, thinking of people, yoga practice, breathing exercise, motivational theory.	15
27.08.16		Discuss about food, good thinks in food, yoga practice, breathing exercise, Motivational stories.	13
17.09.16		They have lecture about the importance of health. To maintain good health following instructions were given: To do breath exercise, yoga practice.	20

**Language Enhancement Club**

**Staff In-Charge:** Mr.M.Subash, AP/ Mechanical

The Club aims to upgrade students' Hindi and English Language through diversified activities, including Basics Words, language seminars and language workshops during Club hours.

## 7.2.1(h) Activities performed in Language Enhancement club

Date	Resource Person(s)	Activities conducted	No. of participants
09.07.16	Mrs.Uma Maheswari	Explained about basic Hindi alphabets	56

23.07.16	Mrs.Uma Maheswari	Explained about Hindi Words	60
13.08.16	Mrs.Uma Maheswari & Ms.R.Mehar Banu	Explained about Hindi sentences	58
27.08.16	Ms.R.Mehar Banu	Explained about Hindi Numbers	62
17.09.16	Mrs.Uma Maheswari	Conversation in Hindi	60

### Sports club

**Staff In-Charge:** Mr.R.Anbarasan/Physical Director

Sports club is a group of students organized for the purpose of furthering their common interests in an activity through participation and competition. Club Sports are meant to be a learning experience for the members through their involvement in fund-raising, public relations, organization, administration, budgeting, and scheduling, as well as, through the development of skills in their particular sport. Involvement in a group and team environment helps enhance a student's overall education while living in the collegiate setting.

#### 7.2.1(i) Activities performed in Sports club

Date	Activities conducted	No. of Participants
09.07.16	Power point given about activity. Professionals give demo about major games. Club concluded with practice.	80
23.07.16	First aid awareness given by physical director to club students.	50
13.08.16	First aid awareness given by physical director to club students.	50
27.08.16	Introduction to sports injuries, common sports injuries, sports injury prevention, major games injuries, major games team practices for 2 <sup>nd</sup> , 3 <sup>rd</sup> and final year, introduction message, basic first aid, first aid awareness, first aid for common injuries, sports games practice, major games for 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and final year.	85

**Higher Education Club**

**Staff In-Charge:** Mr.U.Thiruppathi, AP/EEE & Mr.R.Ashokkumar, AP/Mechanical

The rise of IT sector and engineering education in India has boxed students into linear path without giving them a chance to explore and discover their passions. Our club gives an idea regarding different paths in higher education in India and Abroad.

**7.2.1(j) Activities performed in higher education - India club**

Date	Activities conducted	No. of participants
09.07.16	Introduction of technical subject, Introduction to higher education in India, GATE coaching syllabus & Introduction class, General Reasoning Class, Mock Test or Online Test.	29
23.07.16	Fourier Series, General English, Fluid Mechanics, Mock Test or Online Test.	31
13.08.16	Linear Algebra Matrix, Fluid Mechanics, Electric Circuit Theory, Strength of Materials, Fluid Mechanics, Software Engineering, Digital Electronics, Electric Circuit Theory, Mock Test or Online Test.	26

**7.2.1(k) Activities performed in higher education - Foreign club**

Date	Resource Person	Activities Conducted	No. of Participants
09.07.16	Mr.R.Ashokkumar, AP / Mechanical	Arrangement, Introduction about Higher Education at Foreign, Discuss the value of Higher Education at Foreign, shows Videos, Slides about Foreign Universities, Discuss about How to get Scholarship from Foreign Universities, Norms, Rules, and Regulations.	14
23.07.16	Dr.M.Pandikrishnan, Professor / Mechanical	Top Universities about Higher Education at foreign, browsing about TOEFL, top	14

		universities in foreign, discuss about how to get scholarships from foreign universities, norms, rules, and regulations.	
13.08.16	Ms.V.Tamilarasi, AP/Maths, Mr.B.Muthukumar, AP/English, Mr.R.Dineshkumar, AP/Civil	Maths aptitude problems solved-General english-Department subject (SOM) coaching.	17
27.08.16	Ms.V.Tamilarasi, AP/Maths, Mr.B.Muthukumar, AP/English, Mr.K.Muthukumar AP/Mechanical	Maths aptitude problems solved-General english-Department subject (FM) coaching.	15
17.09.16	Mr.R.Ashokkumar, AP/Mechanical	FN: Top universities pictures and images shown to the participants and discuss with those universities, AN: Spot topic given and speak and shared about relative gathered information, browsing of universities information.	17

### **Innovation club**

**Staff In-Charge:** Mr.N.Sabarirajan, AP/Mechanical

Innovation is all about converting ideas into new or improved products, processes and services. Innovation Clubs in our college would help to engage students in innovative and creative activities apart from academics.our students have explored about new technologies and discussed with the club members to innovate new products.

**7.2.1(l) Activities performed in Innovation club**

Date	Activities conducted	No. of Participants
09.07.16	Introduction-purpose of the club & objectives of the club, interaction-individual ideas & exchange their ideas, data collection from internet, innovation related global news, decision making-developing innovative project, team formation-based on the ideas & data collection, responsibilities of the team members for lifts the innovation ideas into reality.	25
23.07.16	Innovation club students were searching the projects in internet, each groups were gathered ideas about the project from their department staff.	14
13.08.16	PPT preparation work, Faculties gave their ideas to prepare PPT for students.	18
27.08.16	PPT preparation work, Each department faculties gave their ideas to prepare PPT for students.	26
17.09.16	PPT preparation work, Student present their PPT in front of their HOD's and staff members in LH-14 (Digi class)	30

**Human Rights Club**

**Staff In-charge:** Mrs.S.Barkathunisha, AP/EEE

The main goal of the HRC in our institution is to create awareness among students and staff members about human rights and their duties as a citizen

**7.2.1(o) Activities performed in Human Rights club**

Date	Activities conducted	No. of Participants
09.07.16	FN: Introduction about the club, showing documentary films to understand the students about human rights and its necessary. AN: Selecting chairman, vice chairman and members, assigning duties, creating logo, backdrop, purposes and objectives of the club, respect for self, history of human rights, principles and types of human rights, nonviolence pledge signing.	9



23.07.16	FN: Respect for self, History of human rights, Principles of human rights, Types of human rights. AN: Human beings/human rights, a human rights tree, needs and wants, human rights squares, a new planet.	8
13.08.16	FN: Human rights squares in india, needs and wants, watching videos, discuss about human rights in india. AN: Study about human rights in UNO.	14
27.08.16	FN: Human rights in the news. AN: Human rights in the news discuss, mapping human rights in our country.	13
17.09.16	FN: Mapping human rights in our community. AN: Human rights around the world.	11

### 7.3 Best Practices

#### 7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college

##### Best Practice I

##### Mentoring System

##### 1. Objective

The objectives of the practice followed by the Institute are:

- Improvement of teacher-student relationship
- Counseling students for solving their problems and provide confidence to improve their quality of life.
- Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.
- The system envelops persistent observation of students execution, recognizing qualities, weaknesses and offering passionate backing and particular proposals to enhance the students in all regards

##### 2. The Need

The following are the issues which motivated the college to implement the mentoring system

- Most of the students of the institution are from a rural background. No of students are from economically weaker sections who receive scholarship from the Government.
- Some of the students are even first generation literates in their families in such a background, many of the students literally have no proper guidance at home.

- The pressure to perform in current competitive world and to face the challenges of the society, students needs mentoring support to achieve academic excellence.

### **3. Methodology**

- As part of the Student Mentoring System, about 5 students are assigned to a faculty as their mentor.
- Each mentor maintains the academic records of the allotted students. Mentor has direct communication with the allotted students.
- The Parents/Guardians of poor attendee/performance students are called to meet the Coordinator and corrective and preventive measures are implemented for further improvement.
- The mentors take initiative to arrange coaching classes.
- Each mentor maintains the entire student Information, which is examined by the HOD and the class coordinator.

#### **The issues include**

- Study planning and techniques.
- How to make the most of lectures and practical classes useful.
- Distractions if any, and how to cope with them.
- Examination preparation.
- Health issues.

### **4. Target achieved**

Evidence of success in performance against targets and benchmarks and Review of results given below

- Student's attendance had improved after counseling by the mentors.
- The direct communications between mentor and students have nurtured the teacher-student relationship.
- Participation in extra-curricular activities has been enhanced.
- Students become more disciplined compared to their initial sessions.
- Disregarding troublesome livelihood economic situations, the organization have great number of openings for work in campus placements.

In reviewing the students' results after each unit test, it is noticeable that their performance is better than that of the initial stage. This is reflected consecutively in the university examination results.

## 7.3.1(a) Graduation details of various Departments

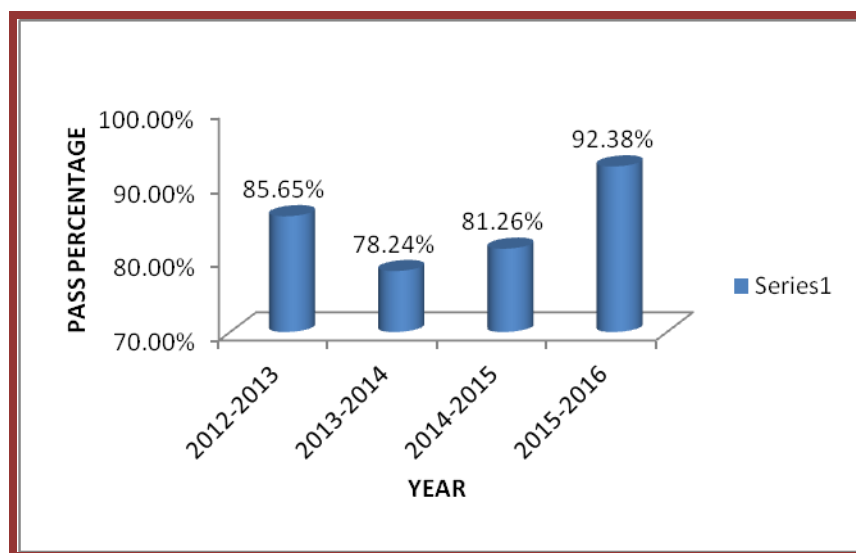
## Under Graduate programme

Year	Number of Graduands in each Department				
	Civil	Mechanical	EEE	ECE	CSE
2009 - 13	-	83.07	84.31	56.60	100
2010 - 14	85.71	86.66	72.46	80.76	67.79
2011 - 15	90.27	74.13	65.38	64.58	59.25
2012 - 16	56.71	67.96	72	66.66	74.07

## Post Graduate programme

Year	Number of Graduands in each Department				
	MFG	Structural	Comm. Systems	PED	CSE
2011 - 13	100	-	-	-	-
2012 - 14	88.23	-	100	-	88.88
2013 - 15	100	86.3	94.4	80	93.33
2014 - 16	71.42	46.66	80	100	33.33

The following bar chart picturizes the improvement in Anna University result for the past four years in Electronics and Communication Engineering department.



Result analysis of 2012-2016 Batch

### 5. Problems Encountered and Resources Required.

There are some problems identified and resources provided to implement the practice. These are:

- While many students react emphatically to the coaching process and find a

way to enhance their execution as students, there have been other people who have kept on being underperformers because of hesitancy, inaction, and so forth.

- The newly joined faculty members from other colleges who are not accustomed with the culture and instinct of the mentorship scheme are separately educated by the institute to get involved in the mentorship scheme in the right direction
- It is also observed that a few students join the course due to parent/family pressure and against their own will. It has been quite a challenge to mentor such students. The mentors perseveringly endeavor to have any kind of effect in the lives of such students notwithstanding consistent hesitancy and inaction with respect to students.

## **Best Practice II**

### **Development Activities on Skills and Personality of Students**

#### **1. Objective**

- To improve the attitude, behavior and personality.
- To develop the skills required for critical thinking and problem solving.
- To argument the technical skill sets beyond the syllabus.

#### **2. The Need**

The institution is affiliated to Anna University, Chennai. The curriculum and syllabus are provided by the affiliated university and the institution has a little role to play in it. However, the expectation of the industry is much more than the curriculum and syllabus. Hence, it is the moral duty of the institution to take necessary steps to supplement the curriculum with value additions towards the fulfillment of the industry expectations.

#### **3. Methodology**

- Basic training on soft skills, quantitative aptitude, logical reasoning and verbal reasoning are conducted along with regular classes throughout the semester by in house experts.
- Advanced training on soft skills, quantitative aptitude, logical reasoning and Verbal reasoning are arranged during the semester holidays through expert drawn from leading training houses.
- Mock interviews and group discussion are conducted through in-house experts and corporate human resource managers.
- In addition, technical skill development activities are periodically conducted.

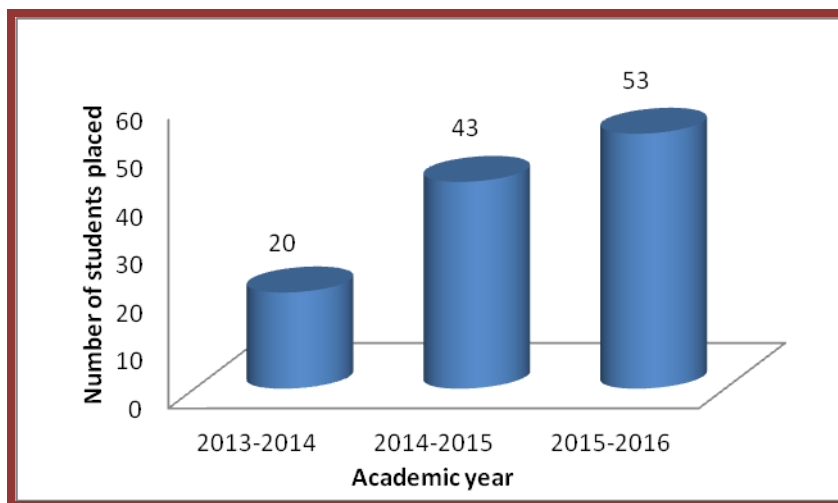
#### 4. Target Achieved

Due to these value additions, the institution notices tremendous transformation among the students in terms of improvement in their communication skills, attitude, aptitude, technical knowledge and confidence level. The number of students getting placed every year through campus recruitment is an index of the quality of the provided value additions.

##### 7.3.1(b) Placement details of various departments

Year	Number of students placed in each department				
	Civil	Mechanical	EEE	ECE	CSE
2013 - 14	1	20	27	13	5
2014 - 15	9	43	16	22	11
2015 - 16	4	53	15	16	10

The following bar chart picturizes the data of placement for the past three years in Mechanical department. The numbers in placement are expected to go up in the upcoming years.



**Improvement in Placement during 2013-2016**



Campus Interview

#### 5. Problems Encountered and Resources Required:

- The institution has a training and placement department to conduct such activities.
- It is observed that the faculty members need to work extra time after regular working hours and during holidays and vacation to conduct such activities.
- Additional transportation facilities need to be arranged for the staff and students to leave the campus after the classes.



## DEPARTMENT OF MECHANICAL ENGINEERING

1. **Name of the department** : Mechanical Engineering
2. **Year of Establishment** : UG – 2009  
PG – 2011  
Ph.D – 2016
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.)**

Sl.No	Level	Name of the Course	Specialization
1	UG	B.E	Mechanical Engineering
2	PG	M.E	Manufacturing Engineering
3	Ph.D	Ph.D	Mechanical Engineering

4. **Names of Inter disciplinary courses and the departments / units involved**

NIL

5. **Annual / semester / choice based credit system (programme wise)**

Sl.No.	Degree	University	System followed
1	B.E - Mechanical Engineering	Anna University	Semester Based Credit System
2	M.E - Manufacturing Engineering	Anna University	Semester Based Credit System
3	Ph.D - Mechanical Engineering	Anna University	---

**B.E - Mechanical Engineering**

Semester	Credits
I	26
II	25
III	26
IV	25
V	24
VI	24
VII	23
VIII	15
Total	188

**M.E - Manufacturing Engineering**

Semester	Credits
I	21
II	20
III	15
IV	12
Total	68

**6. Participation of the department in the courses offered by other departments**

Sl.No	Subject name	Semester	Department offering in the course
1.	Engineering Graphics	I	All Branches
2.	Engineering Practices Lab	I	All Branches
3.	Basic Civil and Mechanical Engineering	II	EEE

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.**

TCIL- IT Education and Training Centre, Trichy - 620 002.

**8. Details of courses /programmes discontinued (if any)with reasons**

NIL

## 9. Number of teaching posts

Post	Sanctioned	Filled
Professors	03	03
Associate Professors	07	03
Assistant Professors	25	29

## 10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt./Ph.D./ M.Phil.etc.,)

Name	Qualification	Designation	Specialization	No.of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr.A.Naveen Sait	B.E., M.E., Ph.D	Professor & Principal	Production Engineering	19 Years	Completed - 03, Ongoing - 09
Dr.M.Pandikrishnan	B.E., M.S., Ph.D	Professor	Welding	14 Years	-
Dr.M.Ravichandran	B.E., M.Tech., Ph.D	Professor	Advanced Manufacturing	13 Years	Ongoing - 05
Mr.N.Rajakumar	B.E., M.E., Ph.D*	Associate Professor	Manufacturing Engineering	18 Years 6 months	-
Mr.K.Ramasamy	B.E., M.E., Ph.D*	Associate Professor	Computer Aided Design	18Years 6 months	-
Mr.S.G.Shelvaraj	B.E., M.E., Ph.D*	Associate Professor	Manufacturing Technology	23 Years 4 months	-
Mr.T.Sathish	B.Tech., M.Tech.,	Assistant Professor	Manufacturing Technology	4 Years 3 months	-
Mr.R.Ashokkumar	B.E., M.E., Ph.D*	Assistant Professor	Manufacturing Engineering	4 Years 3 months	-
Mr.R.Narayanan	B.E., M.E., Ph.D*	Assistant Professor	Manufacturing Engineering	4 Years 10 months	-
Mr.S.Dinesh Kumar	B.E., M.E., Ph.D*	Assistant Professor	Manufacturing Engineering	4 Years 10 months	-
Mr.P.Suresh	B.E., M.E., Ph.D*	Assistant Professor	Computer Aided Design	2 Years 4 months	-

**NAAC - Self Study Report**

Mr.M.Subash	B.E., M.E., Ph.D*	Assistant Professor	Engineering Design	2 Years 4 months	-
Mr.N.Sabarirajan	B.E., M.E., Ph.D*	Assistant Professor	Manufacturing Engineering	4 Years 9 months	-
Mr.SP.Palaniappan	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1 Year 3 months	-
Mr.M.Karthikeyan	B.E., M.E.,	Assistant Professor	CAD/CAM	2 Years 4 months	-
Mr.R.Prabhakaran	B.Tech., M.Tech.,	Assistant Professor	Industrial safety engineering	1 Year 5 months	-
Mr.A.Rahumath	B.E., M.E.,	Assistant Professor	Engineering Design	9 Years 4 months	-
Mr.K.Muthu Kumar	B.E., M.E.,	Assistant Professor	Thermal Engineering	3 months	-
Mr.S.Bharathiraja	B.E., M.E.,	Assistant Professor	Engineering Design	1 month	-
Mr.S.Vinoth	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1 Year	-
Mr.T.Selvakumar	B.E., M.E.,	Assistant Professor	Thermal Engineering	1 Year	-
Mr.P.Manoprabu	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1 Year 8 months	-
Ms.S.Jeyalakshmi	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	8 months	-
Mr.S.Thirunavukarasu	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1month	-
Mr.M.Vadivel Manikandan	B.E., M.E.,	Assistant Professor	CAD/CAM	1month	-
Mr.P.Surlimani	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1month	-
Mr.U.Vignesh	B.E., M.E.,	Assistant Professor	Manufacturing Engineering	1month	-
Ms.P.Sudha	MSc., M.Phil.,	Assistant Professor	Physics	4 Years 2 months	-
Mr.V.Mohan	MSc., M.Phil.,	Assistant Professor	Chemistry	4 Years 2 months	-

Mr.C.Devaraj	MA., M.Phil.,	Assistant Professor	English	4 Years 2 months	-
Mr.S.Periyasamy	MSc., M.Phil.,	Assistant Professor	Mathematics	4 Years	-
Mr.P.Sathiskumar	MSc., M.Phil.,	Assistant Professor	Physics	2 Years	-
Mrs.K.Manjula	M.Sc., MPhil.,	Assistant Professor	Mathematics	8 months	-
Mrs.S.Uma	MSc., MPhil.,	Assistant Professor	Physics	1month	-
Mr.P.Anbarasan	MA., MPhil.,	Assistant Professor	English	1month	-

Note: \* -Pursuing

### 11. List of senior visiting faculty

Sl.No	Name	Designation	Institution / University
1	Dr.K.Subramanian	Professor	Govt. Engg. College, Srirangam
2	Dr.S.Gowri	Professor	Anna University, Chennai
3	Dr.V.Balasubramanian	Professor	Annamalai University, Chidambaram
4	Dr.V.Anandakrishnan	Assistant Professor	National Institute of Technology, Trichy.
5	Dr.S.Kumanan	Professor	National Institute of Technology, Trichy.
6	Dr.R.Jeyapaul	Associate Professor	National Institute of Technology, Trichy.
7	Dr.A.Senthil Kumar	Dean	University College of Engineering, Panruti
8	Dr.P.Sathiya	Associate Professor	National Institute of Technology, Trichy.
9	Dr.C.Sathiyarayanan	Assistant Professor	National Institute of Technology, Trichy.
10	Dr.K.Paneer Selvam	Assistant Professor	National Institute of Technology, Trichy.
11	Dr.M.Duraiselvam	Associate Professor/Head	National Institute of Technology, Trichy.
12	Dr.K.Ramanathan	Associate Professor	Alagappa Chettiar College of Engineering and Technology, Karaikudi.

13	Dr.P.Marimuthu	Principal	Syed Ammal Engineering College, Ramanathapuram.
14	Dr.T.Selvaraj	Professor	National Institute of Technology, Trichy.



Principal honoring the delegates during national conference

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

NIL

13. Student-Teacher Ratio ( programme wise)

Programme	Year	No. of teaching staff	Student to staff ratio
B.E – Mechanical Engg.	2016 - 17	32	15 : 1
M.E – Manufacturing Engg.	2016 - 17	03	12 : 1



14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	05	05
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Sl. No.	Qualifications of teaching faculty	Numbers
1	Ph.D	03
2	Pursuing Ph.D	09
3	M.E/MPhil	23

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

NIL

18. Research Centre/ facility recognized by the University

The department was recognized as Research Centre by Anna University, Chennai to carry out Full time / Part time research in M.S and Doctoral programs in Mechanical Engineering. On the research side the department is actively engaged in research in the areas of Composites, Powder Metallurgy, Welding, Industrial Engineering and Manufacturing. So far three Ph.D's., have been awarded within the short period of 5 years and large number of faculties of the department are undergoing Doctoral programs. The faculty members have published about 134 technical papers in national and international conferences and journals of reputed.

**19. Publications:**

\* a) Publication per faculty

Sl.No	Name of the Staff	Conference		Journals
		National	International	International
1	Dr.A.Naveen Sait	7	16	36
2	Dr.M.Pandikrishnan	-	1	4
3	Dr.M.Ravichandran	8	14	25
4	Mr.N.Rajakumar	1	1	3
5	Mr.K.Ramasamy	1	3	4
6	Mr.S.G.Shelvaraj	2	1	1
7	Mr.T.Sathish	2	1	-
8	Mr.R.Ashokkumar	6	8	4
9	Mr.R.Narayanan	--	2	3
10	Mr.S.Dinesh Kumar	--	1	2
11	Mr.P.Suresh	3	1	--
12	Mr.N.Sabarirajan	--	1	--
13	Mr.SP.Palaniappan	1	--	--
14	Mr.M.Karthikeyan	1	--	--
15	Mr.R.Prabhakaran	1	--	--
16	Mr.A.Rahumath	2	--	1

**20. Areas of consultancy and income generated**

NIL

**21. Faculty as members in**

a) National committees b) International Committees c) Editorial Boards....

NIL

**22. Student projects**

a) Percentage of students who have done in-house projects including inter departmental / programme

**B.E - Mechanical Engineering**

Student Batch Year	Total No. of. Projects	Percentage of Student Project Inter Department
2009 - 2013	17	70%
2010 - 2014	21	75%

2011 - 2015	37	80%
2012 - 2016	33	75%

**M.E - Manufacturing Engineering**

<b>Student Batch Year</b>	<b>Total No. of. Project List</b>	<b>Percentage of Student project inter Department</b>
2011-13	20	70%
2012-14	15	65%
2013-15	20	70%
2014-16	7	60%

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies**

NIL

**23. Awards / Recognitions received by faculty and students**

YES

**24. List of eminent academicians and scientists/visitors to the department**

<b>Date</b>	<b>Name of the academician / scientist</b>	<b>Topics delivered</b>
09.04.15 & 10.04.15	Dr.S.Gowri, Professor AnnaUniveristy, Chennai	Nano Technology
09.04.15 & 10.04.15	Mr.V.Ponraj, Scientific Advisor, To former President Dr.APJ AbdulKalam, Chennai.	Technological Developments in Engineering
16.03.16	Er.K.Mahalingam, Joint Director of Industries / General Manager, District Industries Center, Pudukkottai.	Growth of Industries and Self Employment
27.08.16	Dr.R.Jayavel, Director, Centre of Research, Anna university, Chennai. Dr.V.Balasubiramanian, Professor , Annamalai University, Chidambaram.	Awareness on Plagarism & How to write a journal paper for an international standard
10.09.16 & 11.09.16	Prof.R.Panchanadhan, Director, Talent Consultancy, Trichy.	FDP on Kaizen 2016



**Faculty Development programme & Chief guest address during the workshop of Art of Scientific Writing**

## 25. Seminars / Conferences / Workshops organized & the source of funding

### a) National b) International

Sl. No	Programme Details	Date	Source of Funding	Resource Person	Number of participants
1	International Conference on Technological Developments in Engineering	09.04.15 & 10.04.15	Self Supporting	Mr.V.Ponraj, Scientific Advisor, To former President Dr.APJ Abdul Kalam, Chennai.	200
2	National Level Technical Symposium	27.02.14	Self Supporting	Er.G.Buvashekarar Addl. General Manager, WRI, BHEL, Trichy.	250
3	National Level Technical Symposium	16.03.16	Self Supporting	Er.K.Mahalingam Joint Director of Industries / General Manager, District Industries Center, Pudukkottai.	185



Display of Project Expo & Inaugural address during Technical Symposium

26. Student profile programme / course wise:

Academic Year	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.E – Mechanical Engineering					
2009-13	72	65	65	-	83
2010-14	83	75	75	-	86
2011-15	121	116	116	-	74
2012-16	133	128	128	-	68
M.E – Manufacturing Engineering					
2011-13	21	20	20	-	100
2012-14	17	15	15	-	100
2013-15	20	20	20	-	100
2014-16	8	7	6	1	71.42

\*M=Male \*F=Female

27. Diversity of Students

Academic Year	%of students from the same state	%of students from other States	%of students from abroad
B.E - Mechanical Engineering			
2009-13	91	09	-
2010-14	96	04	-
2011-15	100	-	-
2012-16	100	-	-
M.E - Manufacturing Engineering			
2011-13	60	40	-
2012-14	66	24	-
2013-15	80	20	-
2014-16	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NIL

29. Student progression

Student progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	-	5	1.33
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	-	5	11.76
Ph.D.to Post-Doctoral	NA	NA	NA
<b>Employed</b>			
Campus selection	41.40	37.07	26.67
Other than campus recruitment			
Entrepreneurship/Self-employment	-	2.6	-

30. Details of Infra structural facilities

**a) Department Library**

Area of library (in Sq. feet)	: 15 x 15
Number of users (reading space)	: 10
Timings (During working day)	: 9.10 am – 4.30 pm
Weekend	: Holiday
Number of library staff	: 01
No. of books available	: 150
Availability of internet facilities	: Yes

**b) Internet facilities for Staff & Students**

32 Mbps Internet connectivity enables access to internet & its resources to faculties in their cabin and 4 separate internet laboratories for students.

**c) Class rooms with ICT facility**

Digital class rooms with Projector, Touch screen and PA system



**d) Laboratories**

- Engineering Practice laboratory
- Strength of Materials laboratory
- Fluid Mechanics laboratory
- Manufacturing Technology I laboratory
- Manufacturing Technology II laboratory
- Metrology & Measurements laboratory
- Thermal Engineering laboratory I
- Thermal Engineering laboratory II
- Dynamics laboratory
- CAD/CAM laboratory
- Mechatronics laboratory
- Simulation and Analysis laboratory



**Metrology and Measurements & Strength of Materials lab**

- 31. Number of students receiving financial assistance from college, university, Government or other agencies**

**UG: Mechanical Engineering**

Academic Year	Year	First Graduate	BC	MBC	BCM	SC	SCC
2013-14	I	69	36	30	6	14	1
	II	80	47	36	4	20	2
	III	65	43	21	3	14	1
	IV	27	14	11	2	7	-
2014-15	I	31	18	7	9	24	-
	II	76	40	33	7	11	1
	III	80	44	36	4	20	2
	IV	64	35	24	2	14	1

2015-16	I	28	14	7	8	16	-
	II	35	27	8	8	22	-
	III	71	33	29	11	9	1
	IV	78	47	36	4	18	2
2016-17	I	44	30	15	5	27	-
	II	36	14	9	11	16	-
	III	38	26	8	8	22	-
	IV	71	32	29	1	9	1

## PG: Manufacturing Engineering

Academic Year	Year	BC	MBC	BCM	SC	SCC
2013-14	I	1	2	-	2	-
	II	1	-	-	-	-
2014-15	I	2	-	-	1	-
	II	1	2	-	2	-

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

Sl. No.	Programme Details	Date	Resource Person	Number of participants
1	Introduction to CAD	13.07.16	Mr.M.Karupasamy, Axis CADD, Pudukkottai.	150
2	Introduction about hydraulics, Pneumatics and Advanced mechanical systems	09.07.16	Mr. J Viswanatha (Senior core Engg) Mr. Anandaraman (Asso Director) Prolific systems Pvt.Ltd., Chennai	75
3	Short term course on Design and Fabrication of Valves.	23.07.16	Mr. Ravi., MD/Rasaai Flow Lines Pvt Ltd., Pudukkottai. Mr.Karuppusamy Director/ Axis CADD, Pudukkottai	75
4	AUTO CAD	10.08.16	Mr.P.Saravanan & Mr.Victor Jebaraj, CADD Centre, Pudukkottai.	150

5	Introduction about NDT Scope and its carrier.	13.08.16	Mr. Jeya Renald Reegan., Quality Manager., NDT Tech & Service., Chennai. Mr. Praveen MD/Global CADD., Madurai.	150
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### 33. Teaching methods adopted to improve student learning

- Faculty members are interacted for faculty development programmes to catch up with current trends, teaching style in the teaching.
- Teaching aids like NPTEL Videos, animations, diagrams, etc., ensure better understanding of the topics for arranging smart class room.
- Individual caring for each student with frequent mentor sessions mentor cards are updated often .
- Interactive Teaching Learning Process is initiated to enhance the student learning.
- Question banks for individual subjects are provided to students.
- Class notes & Lab manuals are prepared by the faculty are also given to the students.
- Class committee meeting is conducted during every semester and discusses the class room activities, results with HOD, faculty members and students.
- Parent-Teacher meeting is conducted for every semester to discuss about University results, attendance, cycle test performance, etc.

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl.No	Extension activities	Year 2016-17
1	Rotaract	-
2	NSS	35
3	Swachh Bharat	15
4	Language enhancement	52
5	Fine Arts	18
6	Civil services	38
7	Human rights	06
8	Higher Education	10
9	Yoga	02
10	Sports	41
11	Innovation	20

**35. SWOC analysis of the department and Future plans****Strength**

- The department has constructive environment for growth of academics as well as research background and social awareness.
- Qualified, Experience and committed teaching staff.
- Swift reply and active participation for the administrative work, in addition to the academic concern.
- Innovative teaching and learning methodologies are being accepted through arranging training/Workshops/guest lecturers etc.
- Faculty members are Motivated for training & to upgrade their qualification through deputation to institutes for higher learning.
- Consistent good performance in university examination.
- Many research papers are published in reputed referred international journals. There is a team spirit between senior and junior faculty members along with students as learners and researchers.
- Modern and sophisticated, well equipped laboratories for the students entering their UG programme.
- Department has a ethnicity of teaching beyond curriculum through industry visits, expert lectures in order to make education more applicable to present and future requirements of industry and society.
- Good placement record both in Software and Core industry

**Weakness**

- Poor Quality of incoming Students.
- More efforts are required to attract meritorious students.
- Gap between Industry necessity and Academic Curriculum.
- Lack of availability of large scale industries in the district and in the region.
- Developing technology and demand for technocrats.
- Limited external funding.

**Opportunities**

- Employment opportunities for qualified Mechanical Engineers are ever demanding.
- Industry-institute communication improves and strengthens to the student's placement and lift the college name.
- Improving the employability of the students by making industry linked MoUs.
- Campus connects, continuing education, training courses areas are to be developed.

- To apply and gain research funding from different national and international agencies.
- Opportunities for national and international collaborations, partnerships in research, education and training are high.
- Preparing student for GATE/GRE and government / public sector examination.
- Growing demand for quality engineers.
- Can provide enhanced placements to students with growing alumni members.
- To improvise method of teaching and learning process by the use of modern facilities for effective communication of subject to students.
- To encourage the students to contribute in community development programs.
- To start research and expansion works in leading technologies by forging alliances with different research organizations and industry.
- To encourage every faculty to take up at least one R&D and consultancy works.

### **Challenges**

- Increasing quality of intake in Admissions
- Systematize consultancy programs
- Attracting meritorious students.
- To motivate the students involvement in different technical and other events.
- Start R&D actions in the department with goal orientation of increasing the level of delivering consultancy services
- To create the campus booming by the specialized language courses.
- To improve number of papers published in reputed Journals.

### **Future Plan**

- Focus on research funding from government bodies to be developed.
- Growing R&D activity.
- To transfer every student into technologically capable professional.
- To tie-up with concern Industries and Universities in India & Abroad (MOUs).
- Create a center of Excellence in terms of Quality learning & Placement.
- To offer sufficient placement opportunities to students.
- Motivate to increase Research scholar's strength.
- Develop New and Latest Research Centre.
- NBA Accreditation for UG and PG Programs.
- Goal to secure 100% academic results.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. Name of the department : Electrical and Electronics Engineering
2. Year of Establishment : UG - 2008  
PG - 2013
3. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sl.No.	Level	Degree	Name of the Course
1.	UG	B.E	Electrical and Electronics Engineering
2.	PG	M.E	Power Electronics and Drives

4. Names of Interdisciplinary courses and the departments/units involved.  
NIL

5. Annual/Semester/Choice Based Credit System (Programme wise)

Sl.No	Degree	Courses offered by	System Followed
1	B.E- Electrical and Electronics Engineering	Anna University	Semester Based Credit System
2	M.E- Power Electronics and Drives ( Full Time)	Anna University	Semester Based Credit System
3	M.E- Power Electronics and Drives (Part Time)	Anna University	Semester Based Credit System

### B.E-Electrical and Electronics Engineering

Sl .No.	Semester	Total Credit
1	I	26
2	II	27
3	III	26
4	IV	24
5	V	26
6	VI	24
7	VII	21
8	VIII	15
Grand Total Credit		189



**M.E- Power Electronics and Drives  
(Full Time)**

Sl .No	Semester	Total Credit
1	I	19
2	II	20
3	III	15
4	IV	12
<b>Grand Total Credit</b>		<b>66</b>

**M.E-Power Electronics and Drives  
(Part Time)**

Sl .No	Semester	Total Credit
1	I	10
2	II	9
3	III	9
4	IV	11
5	V	15
6	VI	12
<b>Grand Total Credit</b>		<b>66</b>

**6. Participation of the department in the courses offered by other departments.**

Semester	Name of the Subjects	Name of the Department
I	Engineering Practices Laboratory (Group-B)	All Departments
II	Basic Electrical and Electronics Engineering	Civil Engineering
II	Basic Electrical and Electronics Engineering	Mechanical Engineering
II	Circuit Theory	Electronics and Communication Engineering
II	Electronic Devices	Electronics and Communication Engineering
III	Electrical Drives and Control	Mechanical Engineering
III	Electrical Engineering Laboratory	Mechanical Engineering
III	Electrical Engineering and Instrumentation	Electronics and Communication Engineering
III	Environmental Science and Engineering	Computer Science and Engineering

IV	Microprocessor and Microcontrollers	Computer Science and Engineering
IV	Control Systems Engineering	Electronics and Communication Engineering
VIII	Professional Ethics in Engineering	Electronics and Communication Engineering

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.**

NIL

**8. Details of Courses / Programmes discontinued (if any) with reasons.**

NIL

**9. Number of Teaching Posts.**

Designation	Sanctioned	Filled
Professors	2	-
Associate Professors	4	-
Assistant Professors	20	20

**10. Faculty profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc.,)**

Name	Qualification	Designation	Specialization	No.of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. U.Thiruppathi	B.E., M.E., Ph.D*	Assistant Professor	Power System Engineering	6 Years 8 months	-
Mr. B.Prakash Ayyappan	B.E., M.E., Ph.D*	Assistant Professor	Power Management	8 Years 4 months	-
Mrs. S.Barkathunisha	B.E., M.E.,	Assistant Professor	Applied Electronics	5 Years 10 months	-
Mrs. M.Shobana	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	2 Years 1 Months	-
Mr. G.Vikneshwaran	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	2 Years 4 months	-
Mr. L.Rajamohan	B.E., M.E., Ph.D*	Assistant Professor	Power Electronics and Drives	7 Years 8 months	-

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Ms. M.Saraswathi	B.E., M.E.,	Assistant Professor	Power System Engineering	7 months	-
Ms. N.Abirami	B.E., M.E.,	Assistant Professor	Power System Engineering	7 months	-
Mr. R.Venkatesh	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	3 months	-
Ms. M.Kaviya	B.Tech., M.Tech.,	Assistant Professor	Control and Instrumentation	3 months	-
Mr.H.Sheik Abdullah	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	13 Years	-
Mr. R.Karikalan	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	4 Years 3 months	-
Mr.N.Arunpandian	B.E., M.E.,	Assistant Professor	Embedded Systems	4 Years 9 months	-
Mr.P.Prabhu	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	4 Years	-
Mrs.K.Sumathi	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	5 Years	-
Ms.M.Kalaiyarasi	B.E., M.E.,	Assistant Professor	Power Electronics and Drives	2 months	-
Mrs.KR.Dhanalakshmi @ Reka	M.Sc., M.Phil.,	Assistant Professor	Chemistry	3 Years	-
Mrs.K.Nithya	M.Sc., M.Phil., Ph.D*	Assistant Professor	Mathematics	8 Years	-
Mr.A.Ramakrishnan	M.Sc., M.Phil.,	Assistant Professor	Physics	9 Years	-
Mr.B.Muthukumar	M.A., M.Phil.,	Assistant Professor	English	2 Years 10 months	-

Note: \*-Pursuring

**11.List of senior visiting faculty.**

NIL

**12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty.**

NIL

**13. Student-Teacher Ratio (Programme wise).**

Sl. No.	Programme	Year	Student-Teacher Ratio
1.	UG (B.E- Electrical and Electronics Engineering)	2015-16	15:1
2	PG (M.E- Power Electronics and Drives)	2015-16	12:1

**14. Number of academic support staff (Technical) and administrative staff; sanctioned and filled.**

Cadre	Sanctioned	Filled
Technical Staff	3	1
Administrative staff	1	-
Total	4	1

**Qualifications of Teaching Faculty with DSc/D.Litt/Ph.D/MPhil/PG.**

Sl.No	Name of the Staff	Qualification
1	Mr. U.Thiruppathi	M.E., Ph.D*
2	Mr. B.PrakashAyyappan	M.E., Ph.D*
3	Mrs. S.Barkathunisha	M.E.,
4	Mrs. M.Shobana	M.E.,
5	Mr. G.Vikneshwaran	M.E.,
6	Mr. L.Rajamohan	M.E., Ph.D*
7	Ms. M.Saraswathi	M.E.,
8	Ms. N.Abirami	M.E.,
9	Mr. R.Venkatesh	M.E.,
10	Ms. M.Kaviya	M.TECH.,
11	Mr.H.Sheik Abdullah	M.E.,
12	Mr. R.Karikalan	M.E.,
13	Mr.N.Arunpandian	M.E.,
14	Mr.P.Prabhu	M.E.,

15	Mrs.K.Sumathi	M.E.,
16	Ms.M.Kalaiyarasi	M.E.,
17	Mrs.KR. Dhanalakshmi@Reka	M.Sc., M.Phil.,
18	Mrs.K.Nithya	M.Sc., M.Phil., Ph.D*
19	Mr.A.Ramakrishnan	M.Sc., M.Phil.,
20	Mr.B.Muthukumar	M.A., M.Phil.,

Sl.No	Qualification of Teaching Faculty	Nos.
1	Ph.D	-
2	Pursuing Ph.D	4
3	M.E	13
4	M.Phil	3

**15.Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.**

NIL

**16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.**

NIL

**17.Research Centre/facility recognized by the University.**

NIL

**18.Publications:**

- a) Publication per faculty
- Number of papers published in peer reviewed journals (national/international) by faculty and students

Sl.No	Name of the Faculty	Conferences		No. of Journal Published
		National	International	
1	Mr.U.Thirupathi	1	2	2
2	Mr.B.Prakash Ayyappan	4	1	5
3	Mrs.S.Barkathunisha	1	3	1

4	Mrs. M.Shobana	3	-	-
5	Mr. G.Vikneshwaran	2	2	-
6	Mr. L.Rajamohan	1	1	8
7	Ms. M.Saraswathi	1	-	-
8	Mrs. N. Abirami	2	1	-
9	Mr. R.Karikalan	0	1	-
10	Mr.N.Arunpandian	1	-	-
11	Mr.H.Sheik Abdullah	1	-	-
12	Mrs.KR. Dhanalakshmi @ Reka	-	-	1
13	Mrs.K.Nithiya	-	3	-

**19. Areas of consultancy and income generated.**

NIL

**20. Faculty as members in**

**a. National committees b) International Committees c) Editorial Boards....**

NIL

**21. Student Projects.**

**a. Percentage of students who have done in-house projects including interdepartmental / Programme**

**UG: Electrical and Electronics Engineering**

<b>Course Period</b>	<b>Total No. of Projects</b>	<b>In-house Projects</b>
2008 - 12	21	100
2009 - 13	17	94.11
2010 - 14	23	100
2011 - 15	9	100
2012 - 16	9	100



**NAAC - Self Study Report**

**PG: Power Electronics and Drives (FT & PT)**

Course Period	Total No. of Project List	In-house Projects
2013 - 15	9	100
2013 - 16 ( PT)	2	100
2014 - 16	5	100
2015 - 16	-	-

a) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies.

Academic Year	Name of the Student	Name of the Industry	Project Title
2012 - 13	KR.Palanivel S.Sarathkumar C. Saravanan	Neyveli Lignite Corporation Ltd., NAV RATNA-A Govt. of India enterprise	Conversion of 4 Motor Stage 12000MM DH contactor control circuits to PLC Based Control Systems.

**22. Awards/Recognitions received by faculty and students.**

Participant Name	Year/ Sem	Organized by	Event Details	Date	Remarks
M.Manikandan	IV/VII	Anna University, Trichy.	Paper Presentation	03.03.16	Second Prize
V.Sowmiya	IV/VII	Anna University, Trichy.	Paper Presentation	03.03.16	Second Prize
M.Manikandan	IV/VII	Alagappa College of Engineering and Technology, Karaikudi.	Paper Presentation	02.03.16	Second Prize
V.Sowmiya	IV/VII	Alagappa College of Engineering and Technology, Karaikudi.	Paper Presentation	03.03.16	Second Prize

V.Sowmiya	I/II	Tamil Peravai. Pudukkottai.	Tamil Speech	08.03.13	First prize
S.Shanmugam	IV/VII	KLN College of Engineering and Technology, Salem.	Volley ball	14.11.16 & 15.11.16	Fourth Place
R.Arun Kumar	IV/VII	KLN College of Engineering and Technology, Salem.	Volley ball	14.11.16 & 15.11.16	Fourth Place
A.Mohamed Gani	IV/VII	Kings College of Engineering and Technology, Thanjavur.	Paragliding	17.09.16	Winner
S.Shanmugam	IV/VII	Kings College of Engineering and Technology, Thanjavur.	Paragliding	17.09.16	Winner
M.Ganesan	III/II	Thiyagaraja College of Engineering, Madurai.	Kho-Kho	25.08.15	Runner

**24. List of eminent academicians and scientists/visitors to the department.**

<b>Sl. No</b>	<b>Date</b>	<b>Name of the Academician / Scientist/Visitor</b>	<b>Designation</b>	<b>Topics delivered</b>
1	09.04.15	Dr.V. Ponraj	Scientific Advisor to former President Dr.A.P.J.AbdulKalam Chennai.	Opportunities for Engineers.
2	07.05.16	Dr.Maiylsamy Annadurai	Director, ISRO,Bangalore	Carrier Guidelines.
3	13.06.15	Dr.M.Rajaram	Vice Chancellor, Anna University, Chennai.	Carrier Guidelines.
4	13.06.15	Mr.S.Ganesh, IAS,	District Collector Pudukkottai.	Motivation for Students.

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding.

## a) National Technical Symposium: 04

Sol ano	Programme Details	Date	Resource Person	Level of Programme	Source of Funding
1	STYLUS 2K16 (Technical Symposium)	11.03.16	Dr.R.Kanimohzi, Anna University BIT Campus., Trichy.	National	Self Supported
2	STYLUS 2K15 (Technical Symposium)	24.02.15	Mr. K.Baskaran, AE, TNEB- Pudukkottai.	National	Self Supported
3	STYLUS 2K14 (Technical Symposium)	12.03.14	Mr.K.Sahayaraj, AE, TNEB- Pudukkottai.	National	Self Supported
4	ChenXplore'13 (Technical Symposium)	11.03.13	Mr. P.Manoharan Deputy General Manager, Bharat Heavy Electrical Ltd, Trichy.	State Level	Self Supported



Special address by the Chief Guest in STYLUS 2K15 and a pride moment for STYLUS 2K13

**b) International Conference: 01**

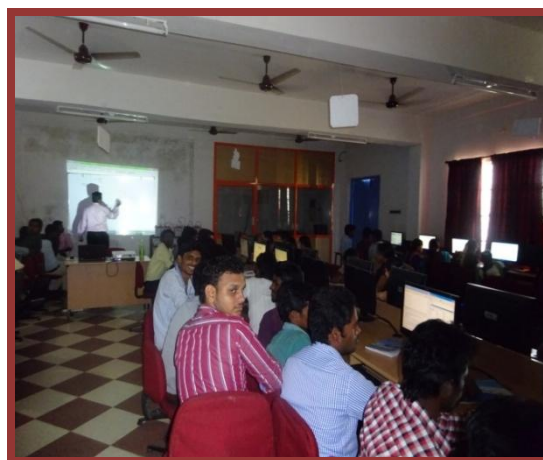
<b>Programme Details</b>	<b>Date</b>	<b>Resource Person</b>	<b>Level of Programme</b>	<b>Source of Funding</b>
International Conference on Technological Developments in Engineering (ICTDE-15)	09.04.15 & 10.04.15	Scientist. Mr.V.Ponraj Scientific Advisor to former President Dr.A.P.J.Abdul Kalam	International	Self Supported



**Delegate delivering Invited Talk during International Conference**

**c) Workshop : 02**

<b>Programme Details</b>	<b>Date</b>	<b>Resource Person</b>	<b>Source of Funding</b>
Electronics Based System Design	23.07.16	Mr.M.Vijayakumar Assistant Professor /EEE, EGS Pillai Engineering College, Nagapatinam.	Self Supported
Modeling and Simulation of Power Electronics and Drives	20.03.15	Dr.S.Senthilkumar Assistant Professor /EEE, National Institute of Technology,Trichy.	Self Supported



Electronics Based System Design workshop

## 25. Student profile programme/course wise:

UG: Electrical and Electronics Engineering

Course Period	Type	Application received	Selected	Enrolled		Pass Percentage
				*M	*F	
2013 - 17	Regular	23	21	8	13	66.66
	Lateral	7	7	6	1	
2014 - 18	Regular	39	24	20	4	17.8
	Lateral	5	4	4	-	
2015 - 19	Regular	26	23	14	9	13.04
	Lateral	4	3	2	-	
2016 - 20	Regular	39	28	27	1	-

PG: Power Electronics and Drives

Course Period	Type	Applications received	Selected	Enrolled		Pass Percentage
				*M	*F	
2013 - 15	Full Time	12	8	4	4	100
2013 - 16	Part Time	2	2	1	1	50
2014 - 16	Full Time	7	5	3	2	80
2014 - 17	Part Time	-	-	-	-	-
2015 - 17	Full Time	-	-	-	-	-
2015 - 18	Part Time	-	-	-	-	-
2016 - 18	Full Time	3	2	2	-	50

\*M=Male \*F=Female

**27. Diversity of Students**

UG: Electrical and Electronics Engineering

<b>Course Period</b>	<b>% of Students From the Same State</b>	<b>% of Students From Other States</b>	<b>% of Students From Abroad</b>
2010 – 14	98.52	1.47	Nil
2011 – 15	100	Nil	Nil
2012 – 16	100	Nil	Nil
2013 – 17	100	Nil	Nil
2014 – 18	100	Nil	Nil
2015 – 19	100	Nil	Nil
2016 – 20	100	Nil	Nil

PG: Power Electronics and Drives

<b>Course Period</b>	<b>Type</b>	<b>% of Students From the Same State</b>	<b>% of Students From Other States</b>	<b>% of Students From Abroad</b>
2013 – 15	Full Time	75	25	Nil
2013 – 16	Part Time	100	Nil	Nil
2014 – 16	Full Time	100	Nil	Nil
2015 – 17	Full Time	-	-	-
2016 – 18	Full Time	100	-	-

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

Some of our Students were participated in various competitive examinations but no one has cleared the exams from all departments.

**29. Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	07
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D to Post-Doctoral	-



<b>Employed</b> <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Recruitment</li> </ul>	2013-2014 = 50 2014-2015 = 24 2015-2016 = 24 2016-2017 = 16
Entrepreneurship/Self-Employment	01

### 30. Details of Infrastructural facilities.

#### a) Library



**Electrical and Electronics Engineering department library view**

- The department library is well established with number of Text/Reference books, Journals and other technical articles etc.
- In our library we are having 1738 number of volume, 1738 Titles respectively.

#### b) Internet facilities for Staff & Students

- High-speed internet facility with 10 Mbps in Computer lab and in digital library for using net facility to update the knowledge in technical world.



**Internet laboratory view (Computer Lab 6 and 7)**

- Department Digi-class is fully equipped with Digital board, Internet and PA system.
- Activ Inspire is the new teaching and learning software from Promethean for computers and interactive whiteboards
- With Activ Inspire we can teach with a traditional chalkboard, vary the pace of our presentations and deliver practical training sessions.
- We can write draw, and erase, just as normally would.
- We can Save our pages as a flipchart file, then retrieve them use for different class, or in another classroom.
- We can add pictures, movies and sounds to your lesson's flipchart pages.
- We can quickly structure our lesson content and timing to match our lesson plan.
- We can use simple but effective tools to stimulate thought, engage our students and focus their attention



**A view of Smart class**

**d) Laboratories**

- Engineering Practices Laboratory.
- Electric Circuit Laboratory.
- Electronics Laboratory.
- Linear and Digital Integrated Circuits Laboratory.
- Electrical Machines Laboratory-I.
- Electrical Machines Laboratory-II.
- Control Instrumentation Laboratory.
- Power Electronics and Drives Laboratory.
- Microprocessors and Micro controller Laboratory.
- Control and Instrumentation Laboratory.
- Power Systems Simulation Laboratory.
- Electrical Engineering Laboratory.
- Electrical Engineering and Control Systems Laboratory



**View of Electrical Machines laboratory**



**A view of Engineering Practices Laboratory & Linear and Digital Integrated Circuits Laboratory**

**31. Number of students receiving financial assistance from college, university, Government or other agencies.**

UG: Electrical and Electronics Engineering

Academic Year	Year	First Graduate	BC	MBC	BCM	SC	SCC
2013-14	I	12	4	5	2	7	1
	II	20	13	4	2	5	-
	III	11	8	1	-	5	-
	IV	45	25	15	4	7	1
2014-15	I	6	4	1	-	19	-
	II	12	5	6	2	9	1
	III	18	12	4	1	5	-
	IV	7	7	2	-	6	-
2015-16	I	9	5	5	-	16	-
	II	6	5	2	-	19	-
	III	12	5	6	2	9	1
	IV	18	12	4	1	5	-
2016-17	I	12	-	-	-	-	-
	II	9	-	-	-	-	-
	III	6	-	-	-	-	-
	IV	12	5	6	2	9	1

PG: Power Electronics and Drives

Academic Year	Year	BC	MBC	BCM	SC
2013-14	I	1	-	-	3
	II	-	-	-	-
2014-15	I	-	-	-	3
	II	1	-	-	3

**32. Details on student enrichment programmers (special lectures/workshops/ Seminar) with external experts.**

**Workshops**

Academic Year	Date	Name of the Workshop	Resource Person
2013-14	04.10.13	National Level Workshop MATLAB/OTRIX	Mr. R.Grish and Mr. R.Anath, Director, Vingyan Innovation Centre, Chennai.



2014-15	20.03.15	Modeling And Simulation of Power Electronics and Drives.	Dr. S.Senthilkumar Assistant Professor, National Institute of Technology, Trichy.
2015-16	06.02.16	VINGYAN-16	Mr. R.Grish and Mr. R.Anath, Director, Vingyan Innovation Centre, Chennai.
2016-17	23.07.16	Electronics Based System Design	Mr. M.Vijaykumar, Assistant Professor, EGS Pillay Engineering College, Nagapattinam.



**Students Receiving Certificates from Dr. S. Senthilkumar, NIT – Trichy and Mr. R.Grish is conducting workshop VINGYAN-16**

### Seminars

Academic Year	Date	Name of the Seminar	Resource Person
2015-16	11.03.15	Utilization of electrical Energy	Dr. R.Kanimohzi, Assistant Professor/EEE, Anna University BIT Campus, Trichy.
2016-17	13.08.16	Renewable Energy Resources	Dr. S.Senthilkumar Assistant Professor/EEE, National Institute of Technology, Trichy.
2016-17	27.08.16	The Art of Scientific Writing	Dr. R.Jayavel Centre for Research, Anna University, Chennai.



Seminar on renewable solar energy resources

## Value Added Courses

Academic Year	Date	Name of the Seminar	Resource Person
2016-17	10.09.16 to 25.09.16	Printed Circuits Board (PCB) Design	Mr. R.Grish and Mr. R.Anath, Director, Vingyan Innovation Centre, Chennai.

## Skill Development Programmes

Academic Year	Date	Seminar	Resource Person
2012-13	25.02.13	Communication Skill Development Programme for First Year Students-4 Days Programme Inauguration	Ms.R.Rooprani , Chief Executive, Opportunity Infinities, Chennai.
2013-14	07.03.13 to 08.3.13	Entrepreneurship Awareness Programme	Mr.ERS.Prithviraj (Rtn) President Small Scale Industrialist Association Pudukkottai.
2016-17	03.02.16	Students Motivational Programme	Mrs. E.S.Uma IPS, Pudukkottai.
2016-17	17.09.16	Communication Skill Development Programme	Ms. R.Suganya Raman, Trainer, Chennai.





Honoring the great scientist Edison and Students are designing on the various models during the Value add course

### Placement Programmes

Academic Year	Date	Training Programmes
2014-15	06.03.14	Campus interview AQUAPURE PLUS
2015-16	16.02.15 to 18.02.15	Placement Training RIPE and Carrier Solution
2015-16	10.03.15	Placement Training



Personality Development programme conducted by Opportunity Infinities, Chennai

**33. Teaching methods adopted to improve student learning.**

- Teaching through Smart class presentation.
- Teaching through live demos.
- Class test in regular basis.
- Special attention to weaker students.
- Fit the lecture to the audience.
- Interactive classrooms.
- Positive, reinforcing, cooperative environment.
- Technical and Practical Skill Improvement through individual experiments in the Laboratories.
- Individual Care of Students
- Conducting Motivational classes.
- Conducting Value added courses, Seminars and Workshops on every academic year by Technical Experts.
- Encouraging the students to make individual Mini projects for Symposium.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities.**

Sl.No	ISR/Extension Activities	2016-17	2015-16
1	Rotract	-	07
2	NSS	21	16
3	Swachh Bharat	1	-
4	Yoga	2	02
5	Language Enhancement	4	03
6	Civil Service	9	09
7	Higher Education	10	11
8	Sports	8	09
9	Innovation	4	04
10	Fine Arts	2	04
11	Human Rights	5	04
12	Photography	9	09
13	English club	3	03

**35. SWOC analysis of the department and Future plans.****Strengths**

- Long standing of Electrical Engineering Department since last 8 years with access to higher education, service to people and outreach to the society.
- Well qualified staff members, work as a unit for the betterment of department development.
- High attention towards practical exposure to students through inclusive laboratory Practices mandate In-House training, Project work practices.
- Faculties undergo Trial experiments for lab courses thereby smooth progress as per schedule in ensured.
- Conducting remedial classes for weaker students in regular manner.
- Learning environment for the students with multiple programmes, students clubs, guest lectures and industrial visits.
- To improve the student's communication skills, and to meet the industrial needs, the college offers- Soft Skill Development Programm by the Resource persons from leading training centers.
- Encouraging the students to make individual Mini projects for Symposium.

**Weaknesses**

- Complexity in placing students in core companies.
- No Sponsored/non-sponsored research projects are undergoing.
- Department of Electrical and Electronics yet to get recognition as research center.
- Majority of the students joining the institution are from rural background with poor language and communication skills.

**Opportunities**

- Excellent placement opportunities for students as the number of companies recruiting are increasing year by year.
- Proximity to a leading Public Sector Enterprise namely BHEL located at Tirumayam. This opens up a close Industry Institute Interaction opportunity in Electrical and Electronics areas.
- Increase in the number of collaborations with research laboratories to promote knowledge of staffs and students.
- Internationally recognized with distinct alumni.

### Challenges

- To empower the rural area students as professional persons.
- To develop their communication skills.
- Maintaining as well improving the % and quality of admission, considering the fall in the number of students opting for engineering courses and the competition because of number of colleges in and around Pudukkottai.

### Future plans

- Improving the results as above 80%.
- Getting approval for double in-take from AICTE.
- Encouraging all Staffs to join and finish their Ph.D work.
- Getting Research Centre approval for EEE Department.
- Students are getting knowledge from Digital Class.
- Adding Digital/Technological facilities with laboratories and departmental library.

## DEPARTMENT OF CIVIL ENGINEERING

1. **Name of the department:** CIVIL ENGINEERING
2. **Year of Establishment:**
  - UG : 2010
  - PG : 2013
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S.No	Level	Degree	Name of The Course
1	UG	B.E	Civil Engineering
2	PG	M.E	Structural Engineering

4. **Names of Interdisciplinary courses and the departments/units involved-** NIL
5. **Annual/ semester/choice based credit system (programme wise)**

Sl.No	Degree	Courses Offered	System Followed
1	B.E- Civil Engineering	Anna University	Semester Based Credit System
2	M.E-Structural Engineering	Anna University	Semester Based Credit System

### For B.E. Civil Engineering:

Semester	Credits
I	26
II	25
III	24
IV	27
V	24
VI	24
VII	21
VIII	15
Total	186

### For M.E. Structural Engineering

Semester	Credits
I	19
II	20
III	17
IV	12
Total	68

## 6. Participation of the department in the courses offered by other departments

Sl.No	Semester	Name of The Course	Name of the Department
1	III	Mechanics of Fluids	Mechanical Engineering
2	VI	Principles of Management	Mechanical Engineering

## 7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- MOU Signed with Federation of All Civil Engineers Association in Tamil Nadu (FACEAT) to make a effective learning with practical exposure by conducting regular seminars, Industrial Visits, IPT, Workshops etc.



A blissful moment of MOU signed with FACEAT for effective learning

## 8. Details of courses/programmes discontinued (if any) with reasons

NIL

## 9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	2	0
Associate Professors	3	1
Asst. Professors	15	19



**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Studens guided for Last 4 Years
Mr. R. Greesan	B.E., M.E., Ph.D*	Assistant Professor	Construction Engineering & Management	6 Years	-
Mr.M.AzadAli	B.E., M.Tech.,	Assistant Professor	Construction Engineering & Management	5 Years	-
Mrs.A.Praveena	B.Tech., M.E.,	Assistant Professor	Environmental Engineering	4 Years 5 Months	-
Mr. N. Mohamed Nizar	B.Tech., M.Tech.,	Assistant Professor	Structural Engineering	3 Years	-
Mr. B. Rajesh	B.E., M.E., Ph.D*	Assistant Professor	Construction Engineering & Management	2 Years	-
Mr. M. Ashik Mohammed	B.E., M.E.,	Assistant Professor	Environmental Management	1 Years	-
Mr. R. Dinesh Kumar	B.E., M.E.,	Assistant Professor	Structural Engineering	9 Months	-
Ms. U. Sayera Banu	B.E., M.E.,	Assistant Professor	Environmental Engineering	2 Years 7 Months	-
Ms. V. Sabareeswari	B.E., M.E.,	Assistant Professor	Structural Engineering	9 Months	-
Mr.M.Alaguraja	B.E., M.E.,	Assistant Professor	Construction Engineering & Management	3 Months	-
Mr.A.Balasubramanian	B.E., M.E.,	Assistant Professor	Structural Engineering	3 Months	-
Mr.C.Arumugan	B.Tech., M.E.,	Assistant Professor	Structural Engineering	3 Months	-
Mr.T.Yuvaraj	M.Sc., M.Tech.,	Assistant Professor	Structural Engineering	3 Months	-

Mr.M.Naresh	M.Sc., M.E.,	Assistant Professor	Environmental Engineering	3 Months	-
Mr.J.Kishore Ananth	M.Sc., Ph.D*	Assistant Professor	Geology	3 Months	-
Ms.J.Esther Baby	B.E., M.E.,*	Lecturer	Structural Engineering	4 Years	-
Dr.V.S.Vidhya	M.Sc., Ph.D	Professor	Chemistry	9 Years 8 Months	-
Mr.S.Mohan	M.Sc., M.Phil.,	Assistant Professor	Mathematics	4 Years	-
Ms.A.Sumayabanu	M.A., M.Phil.,	Assistant Professor	English	4 Years	-
Mr.A.Chandrakumar	M.Sc., M.Phil.,	Assistant Professor	Physics	4 Years 5 Months	-

Note:\* - Pursuring

**11. List of senior visiting faculty**

Sl.No	Date	Name of the Staff	Name of the Subject
1	17.03.2014	Dr.B.Vidivelli	Concrete Technology
2	08.03.2012	Prof.Sasikala	Construction Materials

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

NIL

**13. Student -Teacher Ratio (Programme wise)**

Sl.No	Programme Level	Year	Student -Teacher Ratio
1	UG (B.E- Civil Engineering)	2015-16	15:1
2	PG (M.E-Structural Engineering)	2015-16	12:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Post	Sanctioned	Filled
Technical Staff	2	2
Administrative Staff	1	1

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.**

Sl.No	Qualification of Teaching Faculty	Nos.
1	Ph.D	1
2	Pursuing Ph.D	3
3	M.E	12
4	Pursuing M.E	1
5	M.Phil	3

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received**

NIL

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

NIL

**18. Research Centre /facility recognized by the University**

NIL

**19. Publications:****a) Publication per faculty**

Name of the Faculty	Published in Journals	Presented in Conference
Mr. R. Greesan	06	06
Dr.V.S.Vidhya	26	34
Mr. N. Mohamed Nizar	06	-
Mr. B. Rajesh	03	01
Ms. U. Sayera Banu	01	02
Ms. V. Sabareeswari	-	01

**20. Areas of consultancy and income generated**

Consultancy Services	Organization/Client	Date
Contour Level	Mr.S.Kannan, Government Contractor, Karambakudi	06.09.2013
Testing of Concrete Cube Density	Mr.Ramasamy, Cement Dealer, Karaikudi	03.07.2013

Testing of Concrete Cube Density	M/s.SSA Readymix Concrete, Pudukkottai	04.08.2014
Testing of Concrete Cube Density	M/s.SSA Readymix Concrete, Pudukkottai	21.08.2014
Testing of Concrete Cube Density	Mr.Ramasamy, Cement Dealer, Karaikudi	03.09.2014
Testing of Compressive Strength	M/s.Thangam Flyash Bricks, Pudukkottai	04.09.2014
Testing of Concrete Cube Density	M/s.SSA Readymix Concrete, Pudukkottai	04.03.2015
Testing of Concrete Cube Density	M/s. CivilTech Constructions, Ponnamaravathy	26.03.2015
Testing of Concrete Cube Density	Mr.P.Chinnappan, Government Contractor, Pattukkottai	09.02.2016
Tensile Strength for Steel rods	Mr.P.Chinnappan, Government Contractor, Pattukkottai	09.02.2016
Ph value for water sample	Mr.P.Chinnappan, Government Contractor, Pattukkottai	09.02.2016
Testing of Concrete Cube Density	M/s.SSA Readymix Concrete, Pudukkottai	11.02.2016
Testing of Concrete Cube Density	Mr.PL.Chidambaram, Resident Proprietor, Karaikudi	19.02.2016
Testing of Concrete Cube Density	M/s.VidhyaGiri Foundations, Karaikudi	19.02.2016
Testing of Concrete Cube Density	M/s.Antony Constructions, Okkur	20.02.2016
Testing of Concrete Cube Density	M/s.VidhyaGiri Foundations, Karaikudi	27.02.2016
Testing of Concrete Cube Density	M/s Tajmahal Ltd, Mrs.Tameem Fathima, Pudukkottai	27.09.2016

**21. Faculty as members in**

**a) National committees b) International Committees c) Editorial Boards....**

NIL

**22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental/programme - 99 %**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – 1%

- Our UG students are done a project as in-house project and they did the testing in industries and other laboratories. One of the PG student is placed in CECRI, Karaikudi for her project work.



**Bonfaide Certificate of Ms.R.Priyanka for her Geopolymer Project from CECRI, Karaikudi**

**23. Awards / Recognitions received by faculty and students**

Participant Name	Year/Sem	Organized by	Event Details	Date	Remarks
VR.Lakshmanan	IV/VII	JJ College of Engineering & Technology,Trichy	CADD Drawing	22.09.2016	I Prize
S.Manikandan	IV/VII	JJ College of Engineering & Technology,Trichy	CADD Drawing	22.09.2016	II Prize

M.Rajeshwari	IV / VII	JJ College of Engineering & Technology, Trichy	Model Making	22.09.2016	I Prize
V.Soundarya	IV / VII	Anna Poorna College of Engineering & Technology, Salem	CADD Drawing	16.09.2016	II Prize
V.Sivapriya	IV / VII	Anna Poorna College of Engineering & Technology, Salem	Model Making	16.09.2016	I Prize
VR.Lakshmanan	IV / VII	Anna Poorna College of Engineering & Technology, Salem	CADD Drawing	16.09.2016	I Prize
VR.Lakshmanan S.Manikandan	IV / VII	Anna Poorna College of Engineering & Technology, Salem	Quiz Competition	16.09.2016	I Prize
N.Muthappan	IV / VII	Anna Poorna College of Engineering & Technology, Salem	Code Cracking	16.09.2016	I Prize
V.Soundarya	III / VI	Shanmuganathan Engineering College, Pudukkottai.	Paper Presentations	26.09.2015	II Prize
P.Madhumitha, N.Srimeena	IV / VII	PRIST University, Thanjavur	Quiz Competition	31.07.2015	I Prize

**University Rank**

R.Karthick Kumar	2014-15	18 <sup>th</sup> Rank in Anna University Results
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**24. List of eminent academicians and scientists / visitors to the department**

Sl.No	Date	Name of the Academician / Scientist/Visitor	Designation	Topics Delivered
1	17.03.2014	Dr.B.Vidivelli	Professor, Department of Structural Engineering, Annamalai University, Chidambaram.	Concrete Technology
2	26.02.2015	Er.A.Shanmughas undarabhoopathy	Additional Division Engineer, Highways Department, Pudukkottai.	Highway Engineering



3	09.04.2015	Dr.P.V.Ramana	Professor, Department of Civil Engineering, NIT Jaipur.	Pre-stressed Concrete
4	10.04.2015	Dr.R.Thenmozhi	Professor, Department of Civil Engineering, Anna University, Coimbatore.	Concrete Structures
5	15.03.2016	Er.M.Basheer Mohamed	Managing Director, Shabee Constructions, Pudukkottai.	Latest Building Technology



Chief Guest is honored by our Principal with memento & Guest Lecture delivered by the Expert



Our Delegate Er.M.Basheer Mohamed, taking his time to greet and appreciate the creative work of our students

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National Level Symposiums- 04

## b) International Conference- 01

Sl.No	Programme Details	Date	Level of Programme	Source of Funding
1	International Conference on Technological Developments in Engineering (ICTDE-15)	09.04.2015 & 10.04.2015	International	Self Supported
2	Civilizers 2k'16 (5 <sup>th</sup> National Level Technical Symposium)	15.03.2016	National	Self Supported
3	Civilizers 2k'15 (4 <sup>th</sup> National Level Technical Symposium)	26.02.2015	National	Self Supported
4	Civilizers 2k'14 (3 <sup>rd</sup> National Level Technical Symposium)	17.03.2014	National	Self Supported
5	ChenXplore'13 (2 <sup>nd</sup> National Level Technical Symposium)	14.03.2013	National	Self Supported



**Aerial view of Palm Island and front view of Queen Victoria Arch Model during 2015 Technical Symposium**





**A complete view of Models about Transportation Engineering by our students**



**Students demonstrating their model of Methane Coal Bed project and its effects to the delegate**



**Our students showing the Green Model with a name of Civillizers 2k16**

**26. Student profile programme/course wise:****For B.E. Civil Engineering:**

Name of the Course/programme (refer question no. 4)	Type	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2013-2014	Regular	63	55	42	13	66.66
	Lateral	22	18	16	2	
2014-2015	Regular	63	59	48	11	69.40
	Lateral	18	16	12	4	
2015-2016	Regular	75	58	45	13	56.71
	Lateral	9	4	4	-	
2016-2017	Regular	54	36	28	8	-
	Lateral	20	15	12	3	

**For M.E. Structural Engineering**

Name of the Course/programme (refer question no. 4)	Type	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2013-2014	Full Time	24	24	6	18	-
	Part Time	2	2	-	2	
2014-2015	Full Time	13	13	7	6	76.19
	Part Time	1	1	-	1	
2015-2016	Full Time	16	16	11	5	46.66
	Part Time	2	2	-	2	
2016-2017	Full Time	17	16	10	6	-
	Part Time	1	1	1	-	

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same	% of students from other	% of students from abroad
2013-2014	100	-	-
2014-2015	100	-	-
2015-2016	100	1.72	-
2016-2017	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	6
PG to M.Phil.	Not Applicable
PG to Ph.D.	-
Ph.D. to Post-Doctoral	Not Applicable
<b>Employed</b>	
• Campus selection	20
• Other than campus recruitment	20
Entrepreneurship/Self-employment	3

30. Details of Infrastructural Facilities

**a) Library**

- The department library is well established with number of Text/Reference books, Journals and other technical articles etc.

**b) Internet facilities for Staff & Students**

- High-speed internet facility with 30 Mbps in Computer lab and in digital library for using net facility to update the knowledge in technical world.

**c) Class rooms with ICT facility**

Department Digi class is fully equipped with Digital board, Internet and PA System.

**d) Laboratories**

- Surveying Laboratory
- Cadd Laboratory
- Applied Hydraulics Engineerin Laboratory
- Strength of Materials Laboratory
- Soil Mechanics Laboratory
- Concrete and Highway Engineering Laboratory
- Environmental Engineering Laboratory



**A snapshot of Students in Surveying Practical & Massive Appearance of our Soil Mechanics Laboratory**

**31. Number of students receiving financial assistance from college, university, Government or other agencies**

Scholarship Scheme	Number of Students			
	2013-14	2014-15	2015-16	2016-17
BC/MBC/BCM	104	129	136	115
SC/ST	49	58	60	57
First Graduate	98	123	114	84
Management	27	23	34	47

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

Programme Details	Date	Resource Person	No of Participants	Remarks
Revit Architecture – Demo	01.03.2016	Mr.Santhanam, Centre Head, TCIL-IT,Trichy	50	III Year
Applications of Softwares in Civil Engineering	23.07.2016	Mr.Victor Jebaraj, CADD Centre , Pudukkottai	60	III & IV Year
Introduction to Autocad	17.09.2016	Mr.Victor Jebaraj, CADD Centre , Pudukkottai	40	II Year
Introduction to StaadPro			30	III Year



Basics in Civil Engineering	17.09.2016	Mr.Senthil Kumar, Appolo Education, Pudukkottai	34	IV Year
Field Practice in Civil Engineering	30.09.2016	Mr.N.Subramanian & Mr.K.Basheer Mohamed, FACEAT	70	IV & III Year



A sneak peak of Revit Architecture Software Demo & Delegates instructing the students to initiate the work with full effectiveness



Students are in progress about foundation marking in Field Workshop

### 33. Teaching methods adopted to improve student learning

- **NPTEL** – We Provide NPTEL keynotes to the students to broaden their skills.
- **Smart Class** – We continue our teaching process in digitalized way by using smart class room to sharpen their knowledge.
- **Question bank /manuals** – For developing the students confidence level we provide question banks and manuals to improve the answering skill in University and other competitive exams.
- **Soft Skills Training** – To improve the soft skill for the students, the regular

classes are arranged with experts to overcome the Competitive world.

- **Guest lectures** –Guest lectures are arranged in relevant subject to update their skills and knowledge and to get a multi exposure on the field.
- **Group discussion & revision classes** – To clear the doubts and fear we made group discussion and revision classes. It is very useful to minimize the gap between the students and faculties.
- **IV/IPT** – In addition with regular theoretical classes, Industrial visit and In plant training are arranged for the students to get a practical experience which may lead to sharpen their skills on both curriculum and practical.
- **Survey Camp** – Even though the survey camp is a part of curriculum, our institution and department is encouraged the students to conduct a survey camp in different atmosphere with full technical and financial support. Along with staff in charges and technical assistants the survey camp is regularly conducted to improve their practical exposure. Some of the places we conduct our camps are: Pillayarpatthi, Thabasumalai, Aanaimalai, Kodaikanal.

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl.No	ISR/Extension Activities	Current Academic Year
1	NSS	14
2	Swachh Bharat	18
3	Yoga	7
4	Language Enhancement	23
5	Civil Service	19
6	Higher Education	11
7	Sports	61
8	Innovation	5
9	Fine Arts	30



A snippet of our Students Participation in Rotract Club on World Literacy Day



A pictorial representation of Clean Environment Activities by Swachh Bharat Team



Student of Civil Department marched with Olympic torch in the Sports Day Celebration





UG student has been awarded for her paper presentation on Engineer's Day Function



UG Student delivering a talk during the Women's Day Celebration



Final Year Student of Civil Engineering Addressing in Rotary Club Function & Natural Scenario taken by Student of Civil Engineering in Photography Club Event

**35. SWOC analysis of the department and Future plans**

**Strength:**

- Practical Knowledge
- Supportive academicians
- Dedicated & qualified faculties
- Latest laboratories
- High infrastructural facility
- Consultancy work to generate fund & confidence
- Modernized library with plenty of books & journals.

**Weakness:**

- Lack of communication skill
- Placement in core companies

**Opportunities:**

- Multiple job opportunities
- Self employment is the key for civil engineering

**Challenges:**

- Developing communication skill of students
- Enhancing entrepreneurship

**Future plans:**

- Plan to make a full-fledged placement to every student
- Upgrading the department facilities to recognize as research centre

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. **Name of the department** : Computer Science and Engineering
2. **Year of Establishment** : UG - 2008  
PG - 2012
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.)**

Sl.No	Level	Degree	Name of the Course
1	UG	B.E	Computer Science and Engineering
2	PG	M.E(Full Time)	Computer Science and Engineering
3	PG	M.E(Part Time)	Computer Science and Engineering

4. **Names of Interdisciplinary courses and the departments/units involved**

NIL

5. **Annual/ semester/choice based credit system (programme wise)**

Sl.No	Degree	Courses Offered	System Followed
1	B.E - Computer Science and Engineering	Anna University	Semester Based Credit System
2	M.E - Computer Science and Engineering (Full Time)	Anna University	Semester Based Credit System
3	M.E - Computer Science and Engineering (Part Time)	Anna University	Semester Based Credit System

### UG (B.E - Computer Science and Engineering)

Semester	Credits
I	26
II	25
III	23
IV	25
V	23
VI	25
VII	22
VIII	15
Total	184



**PG (M.E - Computer Science and Engineering – Full Time)**

Semester	Credits
I	22
II	22
III	19
IV	12
Total	75

**PG (M.E - Computer Science and Engineering - Part Time)**

Semester	Credits
I	13
II	13
III	9
IV	9
V	16
VI	15
Total	75

**6. Participation of the department in the courses offered by other departments**

Sl.No	Semester	Name of the Course	Department
1	I	Computer Programming	All Department
2	III	Object Oriented Programming and Data Structures	ECE
3	IV	Object Oriented Programming	EEE
4	VI	Computer Networks	ECE
5	VI	Computer Architecture	ECE


**7. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Sl.No	Course	Participating Institution / Industry
1	Dot net Framework	NHIT Computer Education, Pudukkottai.
2	Fundamentals of SDLC	HCL Technologies, Chennai.
3	Web Development	Vingyan Innovations Pvt. Ltd., Chennai.
4	Web Design Based On Open Source	Vingyan Innovations Pvt. Ltd., Chennai.
5	National Network Security Championship	Network Bulls, Haryana.
6	Android Technology	Approtech Solutions, Tiruchirapalli.

## Course Details

July - December'16

Date	Department	Year	Software Course	Participation Count
22.07.2016	CSE	II, III, IV	Fundamentals of SDLC	64
23.07.2016				



**CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
PILIVALAM (PO), THIRUMAYAM (TK), PUDUKKOTTAI (DT) – 622 507.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
&  
INFORMATION TECHNOLOGY**

**Program Title :** Fundamentals Of SDLC  
**Venue :** Conference Hall  
**Date :** 23/07/2016 & 24/07/2016  
**Chief Guest :** **Mr. R. Karthikeyan**  
Senior Software Engineer,  
HCL Technologies, Chennai.

**AGENDA**

<b>Day 1 : 23.07.2016</b>
Kadavul Vazhthu
Welcome address by Mr. B.Vinoth
Inaguration of Lighting the Kuthu Vilaku, by the Chief Guest – Mr.R.Karthikeyan, CEO - Er.AVM.S. Karthik, Director(Academics) - Dr.V.S.Vidhya and Student
Chief Guest Introduction by Ms.M.Pavithra
Felicitation Address by –CEO, Er.AVM.S. KarthikAcademic Director, Dr.V.S.Vidhya
Honour the Chief Guest by CEO
Chief Guest Oration
Introduction to General problem solving strategy, SDLC, Programming Fundamentals
<b>Day 2 : 24.07.2016</b>
Introduction Software Development, Domain, Technology, Projects and Product
Team separation and Team Activity, Group Project Development on desired topics
Discussion on Project developed
Vote of Thanks by Mrs.P.L.Baby Shalini
National Anthem

## Fundamentals of SDLC Course Agenda

Sl.No	Date	Department	Year	Software Course	Participation Count
1	27.07.2016	CSE	II, III, IV	Dot net Framework	29
2	17.08.2016				30
3	18.09.2016				23
4	24.09.2016				30
5	25.09.2016				26
6	01.10.2016				30
7	08.10.2016				32



### CHENDHURAN

College of Engineering and Technology

Pilivalam (Po), Thirumayam (Tk), Pudukkottai (Dist) – 622 507

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

&

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSES FOR THE ACADEMIC YEAR 2016-2017

Sl. No.	Name of the Student	Year
1	BHUVANESHWARI M	II-YEAR
2	ELAKKIYA G	II-YEAR
3	ISHWARYA S	II-YEAR
4	MALATHI P	II-YEAR
5	PAVITHRA AR	II-YEAR
6	RAMKUMAR R	II-YEAR
7	RENGANAYAGI R	II-YEAR
8	SATHYA S	II-YEAR
9	SUBBIRAMANIYAN T	II-YEAR
10	VAIRARAMANATHAN V	II-YEAR
11	PRIYADHARSHINI. N	III-YEAR
12	AMITHA P	III-YEAR
13	BHUVANESHWARI. B	III-YEAR
14	JAYALAKSHMI. A	III-YEAR
15	KAYALVIZHI. K	III-YEAR
16	NIVETHA. P	III-YEAR
17	RAJAMANICKAM. S	III-YEAR
18	SELVAPRIYA. N	III-YEAR
19	THENMOZHI. C	III-YEAR
20	ANBARASU. M	IV-YEAR
21	ARUMUGAM. M	IV-YEAR
22	BOUMITHA BANU A	IV-YEAR
23	DHANAPAKKIAM M	IV-YEAR
24	DHURGALAKSHMI B	IV-YEAR
25	JANANI G.P.	IV-YEAR
26	MEENA N	IV-YEAR
27	MUTHUMEENA N	IV-YEAR
28	NANTHINI R	IV-YEAR
29	NASRIN THASLIMA A	IV-YEAR
30	SATHYA R	IV-YEAR
31	SHANMUGAPRIYA M	IV-YEAR
32	SHANMUGAPRIYASINDU R	IV-YEAR

NOTE : Above mentioned students are not participated in any other club activities.

HOD

PRINCIPAL

Participation students list in Dot net Framework Course

January – June'16

Date	Department	Year	Software Course	Participation Count
02.01.2016 09.01.2016 23.01.2016 05.02.2016	CSE	III, IV	Web Development	49



Felicitating the gathering & Mr. R.Grish presenting his views

July – December'15

Sl.No	Date	Department	Year	Software Course	Participation Count
1	13.11.2015	CSE	III, IV	Web Design based on Open Source	49
2	21.11.2015				
3	28.11.2015				
4	05.12.2015				
5	12.12.2015				
6	19.12.2015				
7	26.12.2015				



Mr. R.Grish interacting with students



January - June'15

Sl.No	Date	Department	Year	Software Course	Participation Count
1	05.03.2015	CSE	II, III, IV	Android Technology	67
2	06.03.2015				
3	06.03.2015				



Cultivating the new ideas &amp; Awarding the best performers



Participation Certificate

July - December '13

Date	Department	Year	Software Course	Participation Count
11.10.2013	CSE	II, III, IV	National Network Security Championship	115
12.10.2013				



## Encouragement Certificate

## 8. Details of courses/programmes discontinued (if any) with reasons

NIL

## 9. Number of teaching posts

Post	Sanctioned	Filled
Professors	2	-
Associate Professors	4	-
Assistant Professors	13	19



**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students guided for 4 years
Mr. B.Vinoth	B.Tech., M.E.,	Assistant Professor	Computer and Communication Engineering	7 Years 7 Months	-
Mr. S.Karthick	B.E., M.B.A., Ph.D*	Assistant Professor	Computer Science and Engineering	8 Years 8 Months	-
Mrs. M.Kirithika Devi	M.Sc., M.E., Ph.D*	Assistant Professor	Computer Science and Engineering	9 Years 5 Months	-
Mr. C.Palanichamy	M.E., Ph.D*	Assistant Professor	Computer Science and Engineering	8 Years 7 Months	-
Mrs. P.L.Baby Shalini	B.Tech., M.E.,	Assistant Professor	Software Engineering	2 Years 10 Months	-
Ms. S.Anusuya	B.Tech., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Ms. RM.Rajarajeswari	B.E., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Mr. B.Balamuralikrishnan	B.Tech., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Ms. R.Sivasankari	B.E., M.E.,	Assistant Professor	Software Engineering	2 Months	-
Mr. S.Thirunavukkarasu	B.E., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Mrs. B.Besinar Begam	B.E., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Ms. M.Rajeswari	B.Tech., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-

Mr. K.Pushparaj	M.Sc., M.Tech.,	Assistant Professor	Information Technology	6 Years 5 Months	-
Mrs. G.Shanmugapriya	B.E., M.E.,	Assistant Professor	Computer Science and Engineering	5 Years 5 Months	-
Ms. M.Abinaya	B.E., M.E.,	Assistant Professor	Computer Science and Engineering	2 Months	-
Ms. T.Suriyakala	M.Sc., M.Phil.,	Assistant Professor	Physics	4 Years 2 Months	-
Ms. A.Kavitha	M.Sc., M.Phil.,	Assistant Professor	Maths	4 Years 2 Months	-
Mrs. K.Saravanadevi	M.Sc., M.Phil.,	Assistant Professor	Chemistry	2 Months	-
Mr. M.Gobalakrishnan	M.A., M.Phil.,	Assistant Professor	English	2 Months	-

Note: \* -Pursuing

#### 11. List of senior visiting faculty

Name of the Staff	Name of the Subject	Institution
Prof. N.P.Gopalan, Dept. of Computer Applications	Theory of Computation	National Institute of Technology, Tiruchirappalli.

#### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

NIL

#### 13. Student -Teacher Ratio (Programme Wise)

Sl.No	Programme Level	Student -Teacher Ratio
1	UG (B.E - Computer Science and Engineering)	15:1
2	PG (M.E - Computer Science and Engineering)	11:1

#### 14. Number of academic support staff (technical) and administrative staff; Sanctioned and filled:

Supporting Staff	Sanctioned	Filled
System Administrator	1	1
Lab Programmers	1	1
Technical Assistant	2	1

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Sl.No	Qualification of Teaching Faculty	Nos.
1	Pursuing Ph.D	3
2	M.E/M.Tech	12
3	M.Phil	4

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.**

NIL

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received.**

NIL

**18. Research Centre /facility recognized by the University.**

NIL

**19. Publications:**

**a) Publication per faculty**

Number of papers published in peer reviewed journals (national / International by faculty and students

**Publications by faculty**

Sl.No	Name of the Faculty	Journal	Conferences	
			National	International
1	Mr.S.Karthick	3	-	1
2	Mr. B.Vinoth	1	-	3
3	Mrs. M.Kirithika Devi	3	-	3
4	Mr. C.Palanichamy	1	-	2
5	Mr. K.Pushparaj	1	-	2



Published Paper in IJCTT by Mrs. M.Kirithika Devi

## Publications by Student

Sl.No	Name of the Student	Journal	Conferences	
			National	International
1	S.Paul Martin	1	-	1
2	S.Saravanan	-	-	1
3	P.Karuppusamy	1	-	1
4	C.Arivali	1	-	1
5	P.L.Prabha	-	-	1
6	R.Jayarajeswaran	-	1	-
7	S.Kayalvizhi	-	-	1
8	P.Nandhini	-	-	1
9	M.S.Nithya	-	-	1
10	K.Pratha	-	-	1
11	U.Prathiba	-	-	1
12	S.Saravanakumar	1	-	-
13	M.Rajapriya	-	-	1
14	K.Ranjani	-	-	1
15	M.Rathika	-	-	1
16	D.Rethina	-	-	1
17	K.Suman	1	-	-
18	M.RamaSaravanan	1	-	-
19	G.Preethi	1	-	-
20	K.Govindaraj	1	-	-



Students Participation in International &amp; National Conference

## 20. Areas of consultancy and income generated.

Sl.No	Consultancy Services	Organization/Client	Date	Amount Received (in Rupees)
1	TATA Consultancy Services Limited	Reserve Bank of India	22.11.2015	6,380
2	TATA Consultancy Services Limited	National Bank for Agriculture and Rural Development	28.11.2015	3,740

## 21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards....

NIL

**22. Student projects**

a) Percentage of students who have done in-house projects including inter departmental/programme Awards / Recognitions received by faculty and students:

**UG (B.E - Computer Science and Engineering)**

Student Batch Year	Total No. of. Projects	Percentage of Students (in-house Project)
2010-14	19	16%
2011-15	9	NIL
2012-16	9	33%

Students Generally Prefer External Project Works

**PG (M.E - Computer Science and Engineering)**

Student Batch Year	Total No. of. Projects	Percentage of Students (in-house Project)
2013-15 (FT)	13	NIL
2013-16 (FT)	1	NIL
2014-16 (FT)	3	NIL
2014 -17 (PT)	1	NIL
2015-17 (FT)	3	NIL
2015-18 (PT)	-	-
2016 18 (FT)	-	-

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

NIL

**23. Awards / Recognitions received by faculty and students****Students Awards in Extracurricular Activites from Intercollegiate**

Sl.No	Student Name	Event	Venue	Awards
1	M.Kannan	Website Animation	Anna University, Tiruchirappalli.	Second Place
2	S.Rajamanickam	Quiz	National Institute of Technology, Tiruchirappalli.	Best Performer



## Students Awards in Cocurricular Activites from Intercollegiate

Sl. No	Student Name	Event	Venue	Awards / Recognition
1	P.Azhaumeena	Marathan	Mount Zion College of Engineering and Technology, Pudukkottai.	Second Place
2	S.Rajamanickam B.Bhuvaneshwari	Technical Quiz	Sri Raaja Raajan College of Engineering & Technology, Karaikudi.	First Place
3	M.Nushrath Parveen	Chess	Mohamed Sathak Engineering College, Ramanathapuram.	Zonal Level Eighth Place
4	B.Bhuvaneshwari	Debugging	Sri Raaja Raajan College of Engineering & Technology, Karaikudi.	Third Place



Ms. P.Azhagumeena's Sports Merit Certificate

## Academic Excellence Awards

## Best Participant Award

Mrs. P.Santhia Rajalakshmi has won the best participant award of National Network Security Championship workshop conducted by Network Bulls, Haryana and she got selected the next level of workshop in Association for Computer Machinery, Indian Institute of Technology, Delhi.

### Best Project Award

Mr. M.Kannan won the best project award for creating the website “Arima Financial Servicing (www.arimafinancial.com)” under Web Designing and Development project during the academic year 2015-16.



Mr. M.Kannan presenting his views and Receiving the “Best Project Award” from Vingyan

### University Rank Holders

Academic Year 2013-14			
Sl.No	Name	Course	Rank
1	Ms. M.S.Nithya	PG	40
2	Ms. D.Rethina	PG	44



University Rank Holders Receiving their Degree Certificate

Academic Year 2014-15			
Sl.No	Name	Course	Rank
1	Ms. V.Bhuvaneshwari	PG	4
2	Ms. R.Malarvizhi	PG	36
3	Ms. M.Pavithra	PG	41



Graduands along with their Degrees

**CHENDHURAN**  
College of Engineering & Technology  
(An ISO 9001:2008 Certified Institution)  
Lena Vilakku, Madurai Road, Thirumayam (TK),  
Pillivalam (Po), Pudukkottai - 622 507  
**COUNSELLING CODE : 3926**

**ANNA UNIVERSITY RANK HOLDERS**

The Management Congratulates the Students for their exemplary performance by securing University Ranks in Anna University Chennai Examination held in April / May 2015

**DISTRICT 1<sup>ST</sup> RANK**  
**STATE LEVEL 4<sup>TH</sup> RANK**

**BHUVANESWARI.G**  
M.E. (CSE)

**DISTRICT 1<sup>ST</sup> RANK**  
**STATE LEVEL 18<sup>TH</sup> RANK**

**KARTHIK KUMAR.R**  
B.E. (Civil)

Very glad to share that our students secured university ranks in all the academic years from inception

**OTHER RANK HOLDERS**

**GAYATHRI.R** M.E.(CS)/Rank 38  
**RAJESWARI.D** M.E.(CS)/Rank 44  
**SUGANYA.M** M.E.(CS)/RANK 45  
**MALARVIZHI.R** M.E.(CSE)/RANK 36  
**SHAKILABANU.A** M.E. (CSE)/RANK 38  
**PAVITHRA.M** M.E. (CSE)/RANK 41

Appreciating the University Toppers through Newspaper



## Academic Excellence Awards in Extracurricular Activities

Year	Name	Event	Awards / Recognition
2013-14	R.Nandhini	Tamil Wikipedia	Best Contributor
	R.Shanmugapriya Sindhu		
	A.Nasrin Thaslima		
	N.Meena		
	M.ShamnuagaPriya		
2015-16	R.Renganayagi	State Level Book Review	Best Partaker
	V.Vigneshwari		
	N.Abinaya		
	AR. Pavithra		



Tamil Wikipedia Awarded our Students as Best Contributor



State Level Book Review Competition Certificate

Year	Name	Event	Awards / Recognition
2015-16	T.Panjali	Essay Writing	First Place
	M.Bhuvaneshwari	Essay Writing	Participate
	R.Renganayagi	Essay Writing	Participate
	M.Bhuvaneshwari	Paper Presentation	First Place
	R.Renganayagi	Paper Presentation	Second Place
	AR. Pavithra	Anagram	Second Place



Essay Writing Competition Participation Certificate



Ms. T.Panjali Secured First Place

**Academic Excellence Awards in Extracurricular activities**

Year	Name	Event	Awards / Recognition
2013-14	R.Shanmugapriya Sindhu	Javelin	Third Place
	S.Sivaranjani	Long Jump	Third Place
		100m Sprint	Second Place
		200m Sprint	Second Place
2014-15	R.Shanmugapriya Sindhu	Throw Ball	Winner
		Discus	Third Place
		Shotput	Third Place
		Javelin	First Place
2015-16	R.Shanmugapriya Sindhu	Throw Ball	Winner
	P. Azhagumeena		
	S.Thenmozhi		
	T.Kowsalya	Throw Ball	Runner
	S.Riswana Barveen		
	T.Panjali		
	R.Nandhini	Volley Ball	Winner
	S.Riswana Barveen	Volley Ball	Runner
	T.Kowsalya		
	T.Panjali		
	R.Shanmugapriya Sindhu	Discus	Third Place
	S.Riswana Barveen	Discus	First Place
	S.Riswana Barveen	200m Sprint	Second Place
	R.Shanmugapriya Sindhu	Shot put	Third Place
	S.Riswana Barveen	4*100 Relay	Second Place
	M.Pandiselvi	1500m Sprint	Second Place
	S.Subbiramaniyan	1500 Sprint	Second Place
	S.Riswana Barveen	100m Sprint	Third Place
	P.Azhagumeena	Kho - Kho	Winner
	M.Pandiselvi		
	R.Shanmugapriya Sindhu	Ball Badminton	Winner
	M.Pandiselvi	500m Sprint	Third Place





Students participating in Ball Badminton & Students participating in 4x100 Meter Relay



Ms. S.Riswana Barveen Secured First Place in Discuss & Winners of girls Throw Ball event receiving the award from the Chief Guest.



Ms. S.Sivarajani Secured First Place in 200 Meter Running

## Academic Excellence Awards for Toppers

Academic Year	Student Name	Year	Semester	Academic Performance
2015-16	CT.Dhamayanthi	IV	VII	I
	M.Bagyalakshmi	IV	VII	II
	S.Hemalatha	IV	VII	III
	CT.Dhamayanthi	III	VI	I
	M.Kowsalya	III	VI	II
	R.Abirami	III	VI	III
	A.Nasrin Thaslima	III	V	I
	M. Dhanapakkiam	III	V	II
	GP.Janani	III	V	III
	GP.Janani	II	IV	I
	A.Nasrin Thaslima	II	IV	II
	M.Shanmuga Priya	II	IV	III
	S.Riswana Barveen	II	III	I
	N.Priyadharshini	II	III	II
	P.Amitha	II	III	II
	M.Nushrarth Parveen	II	III	III
	S.Riswana Barveen	I	II	I
	K.Kuralarasi	I	II	II
	N.Priyadharshini	I	II	III
	R.Renganayagi	I	I	I
	M.Bhuvaneshwari	I	I	II
	V.Vairaramanathan	I	I	III
2014-15	CT.Dhamayanthi	III	V	I
	M.Kowsalya	III	V	II
	S.Hemalatha	III	V	II
	M.Bagyalakshmi	III	V	III
	S.Hemalatha	II	IV	I
	M.Bagyalakshmi	II	IV	II
	M.Kannan	II	IV	III
	GP.Janani	II	III	I
	A.Nasrin Thaslima	II	III	II
	M.Shanmuga Priya	II	III	III
	A.Nasrin Thaslima	I	II	I
	GP.Janani	I	II	II
	M.Dhanapakkiam	I	II	III
	S.Riswana Barveen	I	I	I
	K.Kuralarasi	I	I	II
	N.Selva priya	I	I	III

**24. List of eminent academicians and scientists/visitors to the department**

Date	Name of the Scientist	Designation
09.04.2015	Mr. V.Ponraj	Scientific Advisor to former President Dr. A.P.J.Abdul Kalam



CEO Welcoming the gathering and our Student Lighting the Kuthu Vilaku

**25. Seminars/ Conferences/Workshops organized & the source of funding**

**International Level:**

Date	Name of the Event	Resource Person	Source of Funding
09.04.2015	International Conference ICTDE'15	Mr. V.Ponraj & Prof. N.P.Gopalan	Chendhuran College of Engineering and Technology, Pudukkottai.



Glimpses of International Conference on Technological Developments in Engineering



**National Level:**

Date	Name of the Event	Resource Person	Source of Funding
12.03.2016	Froyomارش'16	Mr. S.Rajendran, Divisional Engineer, BSNL, Pudukkottai.	Chendhuran College of Engineering and Technology, Pudukkottai.
23.02.2015	Winprosyst'15	Mr. A.Karthick, Team Leader, HR & Development, Polaris, Chennai.	Chendhuran College of Engineering and Technology, Pudukkottai.
14.03.2014	Chenvista'14	Mr. R.Bhaskaran, HR Business Development Consultancy.	Chendhuran College of Engineering and Technology, Pudukkottai.
14.03.2013	Chenxplore'13	Mr. R.Manoharan, Deputy Manager, BHEL.	Chendhuran College of Engineering and Technology, Pudukkottai.



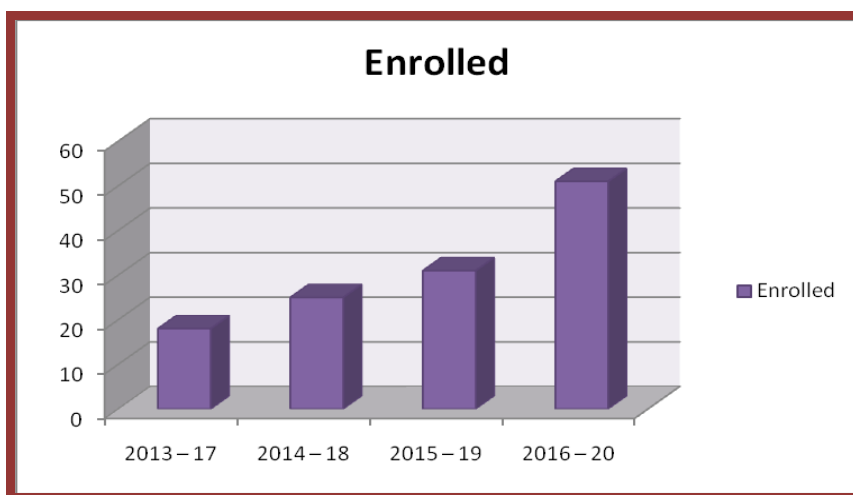
**Receiving award in Chenxplore'13 & honoring the Chief Guest**



**Paper Presentation Session & Keynote Address by the Chief Guest**

**26. Student profile programme/course wise:  
UG (B.E- Computer Science and Engineering)**

Course Period	Type	Applications Received	Selected	Enrolled		Pass Percentage (Apr/ May'16)
				*M	*F	
2013-17	Regular	21	17	5	12	77.08
	Lateral	2	1	-	1	
2014-18	Regular	26	22	8	14	90.12
	Lateral	3	3	-	3	
2015-19	Regular	41	28	9	19	40
	Lateral	4	3	-	3	
2016-20	Regular	64	51	17	34	-
	Lateral	-	-	-	-	

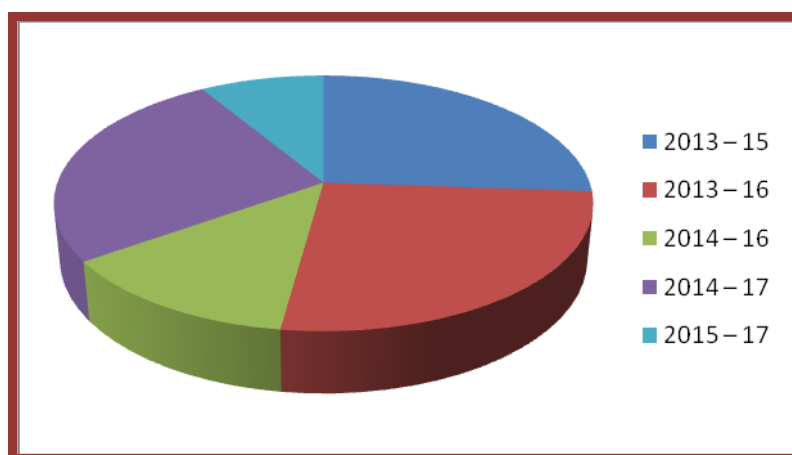


**Enrollment of Undergraduates**

**PG (M.E- Computer Science and Engineering)**

Course Period	Type	Applications Received	Selected	Enrolled		Pass Percentage
				*M	*F	
2013 -15	Full Time	16	13	4	9	100
2013-16	Part Time	1	1	-	1	100
2014-16	Full Time	6	3	1	2	50
2014-17	Part Time	1	1	-	1	100
2015-17	Full Time	4	3	1	2	33.33
2015-18	Part Time	-	--	-	-	-
2016-18	Full Time	1	1		1	-

\*M = Male \*F = Female



Pass Percentage of Postgraduates

## 27. Diversity of Students

### UG (B.E- Computer Science and Engineering)

Course Period	% of Students From The Same State	% of Students From Other States	% of Students From Abroad
2010-14	100	Nil	Nil
2011-15	100	Nil	Nil
2012-16	100	Nil	Nil
2013-17	100	Nil	Nil
2014 -18	100	Nil	Nil
2015-19	100	Nil	Nil
2016-20	100	Nil	Nil

### PG (M.E- Computer Science and Engineering)

Course Period	% of Students From The Same State	% of Students From Other States	% of Students From Abroad
2013-15	100	Nil	Nil
2013-16	100	Nil	Nil
2014-16	100	Nil	Nil
2014-17	-	-	-
2016-18	100	Nil	Nil
2016-19	-	-	-



28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.,

NIL

29. Student progression

Student Progression	Against % Enrolled
UG to PG	5
PG to M.Phil.	-
PG to Ph.D	-
Ph.D to Post-Doctoral	-
Employed	Against % Enrolled
Campus selection	2013-14 = 05 2014-15 = 11 2015-16 = 10
Other than campus recruitment	2014-15 = 01
Entrepreneurship/Self-employment	1

30. Details of Infrastructural facilities

#### Library

- Library Hour has been included in the regular time-table.
- Question Papers of various subjects of past five years are available in library for students. For information about employment, Employment news is available in Library.
- General Knowledge reading material is also provided to students for various competitive examinations.
- Number of books available in general library is given below;

No. of Volumes Available	4539
No. of Titles Available	1731

- There is sufficient furniture and peaceful environment in the library reading room.
- Even though we have well structured centralized library, the department library also provides various journals for research, magazines and books are provided to the students.



**Student Availing Internet Facility & Departmental Library**

### **Internet facilities for Staff & Students**

- Campus LAN connects systems with 32 Mbps internet connectivity accessible through Wireless and Wired media.
- Internet Hour has been included in the regular time-table for students for their project work and preparing seminar presentation.
- The internet connectivity is available to all HOD's and the separate faculty rooms.
- Each internet lab providing high speed of connectivity, the student can surf the net together unlimited information.

### **Class Rooms with ICT Facility**

- Each department have classroom are operable with ICT to facilitate the teaching and learning process with surveillance cameras.
- An exclusive conference hall with a capacity to accommodate 400 persons exists for organizing technical activities.

### **Laboratories**

- Computer Practices Laboratory
- Data Structures Laboratory
- Database Management Systems Laboratory
- Networks Laboratory
- Operating Systems Laboratory
- Case Tools Laboratory
- Internet Programming Laboratory
- Computer Graphics Laboratory
- Mobile Application Development Laboratory
- Compiler Laboratory
- Communication and Soft Skills Laboratory

- Security Laboratory
- Grid and Cloud Computing Laboratory
- Each system in every lab connected on LAN with required software offers computing facility.
- Every laboratory has a unique printer to students for taking printout.



**Communication and Soft Skills Laboratory & Networks Laboratory**

**31. Number of students receiving financial assistance from college, university, government or other agencies**

**UG (B.E - Computer Science and Engineering)**

Scholarship Scheme	No. of Students		
	2013-14	2014-15	2015-16
BC, MBC Post Metric Scholarship	63	34	47
SC/ST Post Metric	7	23	28
First Graduate	75	38	36

**PG (M.E - Computer Science and Engineering)**

Scholarship Scheme	No. of Students		
	2013-14	2014-15	2015-16
BC, MBC Post Metric Scholarship	12	3	1
SC/ST Post Metric	2	1	2
First Graduate	-	-	-

**32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts**

Sl.No	Year	Title of the program	Resource Person
<b>Workshop</b>			
1	2016	Fundamentals of SDLC	Mr. R.Karthikeyan, HCL Technologies,

			Chennai.
<b>Guest Lectures</b>			
2	2015	Innovations in Engineering	Mr. R.Grish, Vingyan Innovations Pvt Ltd, Chennai.
3		Gesture Control Robotics	Mr. A.Karthick, HR, Polaris, Chennai.
4	2014	Big Data Hadoop	Mr. Rengaraj@Muralidharan, Saranathan Engineering College,Trichy.
5	2013	Data Warehousing and Data Mining	Mr. T.Sathish, KLN college of Engineering, Madurai.
6		Mobile Application Development	Mr. R.Bhaskaran, HR Business Development

### 33. Teaching methods adopted to improve student learning

- Class notes are maintained based on our curriculum and syllabus.
- Faculty skills are improved by Faculty Development Programme.
- Regular updates of the students are observed with the help of mentor scheme.
- Separate class coordinators are assigned to monitor the individuality of the students.
- Parents meeting are arranged by every semester, convey our academic plans and get suggestions.
- Finally feedback session of parents are conducted at the end of semester.
- Intimation to the parent about the progression of students through SMS and Letter.
- Unit tests are conducted some periodically time interval and Retest opportunities are provided.
- Coaching classes are provided to improve the quality of the students at the time of examination.
- Each department have a Placement Coordinators are organized on campus and off campus for the students.

### 34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

Sl.No.	ISR/Extension Activities	Academic Year			
		2016-17	2015-16	2014-15	2013-14
1	Rotaract	6	2	10	2
2	NSS	5	-	-	-

3	Swachh Bharat	3			
4	Language Enhancement	13	-	-	-
5	Yoga	7			
6	Civil Service	12	-	-	-
7	Higher Education	4	-	-	-
8	Sports	2	5	3	7
9	Fine Arts	5	-	-	-
10	Photography	2	-	-	-



### Students achievements in Fine Arts Club & Cancer Awareness Programme



### Intra Collegiate Chess Competition & Meditation arranged by Yoga Club





### AIDS Awareness Programme & Tree Plantation

#### 35. SWOC analysis of the department and Future plans

##### Strength

- Above 60% of computer science students are girls, so academic records are linearly growing up.
- The students from rural areas will obey the protocol described by the college.

##### Weakness

- Due to the lack of awareness about computer science department, the admission of computer science gets fluctuated.
- Creativity of student's knowledge gets reduced due to cut copy and paste technique.

##### Opportunities

- Excellent opportunities for interdisciplinary research.
- Nowadays every field becomes computerized hence computer science department is mandatory.
- Opportunities to find research grants from industry and government agencies.

##### Challenges

- Even though the students are good in programming knowledge they are lack in communication skills.
- As the students lack in creativity they hesitate to do real time projects.

##### Future Plans

- Enrich the student with computer knowledge.
- Make the students as a human being with social responsibilities.



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. Name of the department : Electronics and Communication Engineering

2. Year of Establishment : UG - 2008  
PG - 2012

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sl.No	Level	Degree	Name of the Course
1	UG	B.E	Electronics and Communication Engineering
2	PG	M.E	Communication Systems

4. Names of Interdisciplinary courses and the departments/units involved:  
Nil

5. Annual/ semester/choice based credit system (programme wise)

Sl.No	Degree	System Followed
1	B.E- Electronics and Communication Engineering	Semester Based Credit System
2	M.E- Communication Systems	Semester Based Credit System

For B.E. Electronics and Communication Engineering

Semester	Credits
I	26
II	24
III	26
IV	26
V	23
VI	24
VII	22
VIII	18
Total	189

For M.E. Communication Systems

Semester	Credits
I	22
II	20
III	15
IV	12
Total	69

**7. Participation of the department in the courses offered by other departments**

Sl.No	Semester	Name of the Course	Department
1	II	Digital Principles of System Design	Computer Science and Engineering
2	III	Analog and Digital Communication	Computer Science and Engineering
3	IV	Microprocessor and Microcontroller	Computer Science and Engineering
4	VI	Digital Signal Processing	Computer Science and Engineering

**7. Courses in collaboration with other universities, industries, foreign institutions, etc**

Semester	Name of the Course	Company
V,VII	PCB layout Design	Vingyan Innovations Private Limited, Chennai.

**8. Details of courses/programmes discontinued (if any) with reasons:**  
Nil**9. Number of teaching posts**

Post	Sanctioned	Filled
Professors	2	-
Associate Professors	4	1
Assistant Professors	13	18

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.)**

Name	Qualifi- -cation	Design- -ation	Specializa- -tion	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs.L. Malathy	B.E., M.E.,	Assistant Professor	Electronics and Communication Engineering	12 Years	-
Mrs.R.Mangalam	B.E., M.E.,	Assistant Professor	Communication systems	10 Years	-
Ms.MU.Sindhuja	B.E., M.E.,	Assistant Professor	Communication systems	1 Years 2 Months	-
Ms.N.Keerthika	B.E., M.E.,	Assistant Professor	Communication systems	1 Years 4 Months	-
Mr.A.Vinoth Nelson	B.E., M.E.,	Assistant Professor	Communication systems	2 Years 10 Months	-
Mr.J.Balasubramanian	B.E., M.E.,	Assistant Professor	VLSI Design	7 Years	-
Mrs .M.Suganya	B.E., M.E.,	Assistant Professor	Communication systems	8 Months	-
Mrs.KS.Lakshmi	B.E., M.E.,	Assistant Professor	Communication systems	4 Years 2 Months	-
Mr.B.Lakshmanan	B.E., M.E.,	Assistant Professor	Communication systems	2 Years 2 Months	-
Mrs.V.Kowsalya	B.E., M.E.,	Assistant Professor	Communication systems	8 Months	-
Mrs.D.Kamalasri	B.E., M.E.,	Assistant Professor	Communication systems	4 Months	-
Mr.G.Annamalai	B.E., M.E.,	Assistant Professor	Communication systems	2 Months	-
Ms.SS.Suganya	B.E., M.E.,	Assistant Professor	Communication systems	2 Months	-
Mrs.B.Shalini	B.E., M.E.,	Assistant Professor	Communication systems	2 Months	-
Ms.K.Dhanalakshmi	B.E., M.E.,	Assistant Professor	Communication systems	2 Months	-
Dr.R.Velmurugan	M.Sc., Ph.D	Associate Professor	Chemistry	4 Years 6 Months	-
Mr.M.Abulhasan	M.A., M.Phil.,	Assistant Professor	English	5 Years 5 Months	-
Ms.V.Thamilarasi	M.Sc., M.Phil.,	Assistant Professor	Mathematics	2 Years 7 Months	-
Mr.M.Bareeth Ali	M.Sc., M.Phil.,	Assistant Professor	Mathematics	6 Years 5 Months	-

**11. List of senior visiting faculty: Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise)

Sl.No	Programme Level	Student -Teacher Ratio
1	UG (B.E- Electronics and Communication Engineering)	15:1
2	PG (M.E- Communication systems)	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	03	03
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sl.No	Qualification of Teaching Faculty	Nos.
1	Ph.D	01
2	M.E	15
3	M.Phil	03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl.No	Name of Faculty	National/ International Journal	National/ International Conferences
1	Mrs.L.Malathy	2	3
2	Mrs.R.Mangalam	1	1

3	Mr.A.VinothNelson	1	1
4	Mrs.M. Suganya	1	1
5	Ms.N.Keerthika	-	3
6	Dr. R. Velmurugan	23	20

Sl.No	Name of Student	National/ International Journal	National/ International Conferences
1	K.Bhuvaneshwari/ECE	-	1
2	B.Velayutham/M.E	-	1
3	S.Feminahency/M.E	-	1
4	MR.Asha/M.E	-	1
5	R.Saranya/M.E	-	1
6	R.Rameshkumar/M.E	-	1
7	K.Minarvadevi/M.E	-	1
8	B.Lakshmanan/M.E	-	1
9	S.Pushpalatha/M.E	-	1
10	A.Pandia Rajan/M.E	-	1
11	A.Annalakshmi/M.E	-	1
12	V.Priya/M.E	-	1
13	D.Nithya/M.E	-	1
14	M.Manivannan/M.E	-	1
15	V.Bhuvaneshwari/M.E	-	1
16	Mr.T.Rajamanickam/M.E	-	1
17	Ms.S.Farjona Barveen/M.E	1	1
18	Mrs.Emil.M.Paul/M.E	-	1
19	Mr.G.Annamalai/M.E	1	1
20	Mrs.R.Gayathri/M.E	1	1
21	Ms.N.G.Karthi/M.E	-	1
22	Mrs.R.Prahalatha/M.E	-	1
23	Ms.D.Rajeshwari/M.E	1	1
24	Ms.B.Shalini/M.E	-	1
25	Mrs.K.Maheswari/M.E	1	1
26	Mr.A.Kannathasan/M.E	-	1
27	Ms.C.Sindhuja/M.E	-	2
28	Mrs.P.Arthiraj/M.E	-	1
29	Mrs.C.Booma/M.E	-	1
30	Mr.P.Naveen Kumar/M.E	-	2
31	Mr.A.Beermohamed/M.E	-	2

32	Ms.M.Sasikala/M.E	1	1
33	Mrs.Aditi Awasthi/M.E	-	1
34	Mrs.V.Kowsalya/M.E	-	1
35	K.Thanalakshmi/M.E	-	1
36	R.Thendralarasi/M.E	-	1
37	B.Deepalakshmi/M.E	-	1
38	S.Tamilselvi/M.E	-	1
39	R.Senthilkumar/M.E	-	1
40	S.Saravanan/M.E	-	1

20.Areas of consultancy and income generated: Nil

21. Faculty as members in

a)National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Sl.No	Batch	Name of The Course	Percentage of students
1	2009-13	UG	100
2	2010-14	UG	100
3	2011-15	UG	100
4	2012-16	UG	100
5	2012-14	PG	100
6	2013-15	PG	100
7	2014-16	PG	100

b)Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students

University Rank Holders

Academic Year 2013 - 14

Sl.No	Name	Course	Rank
1	Ms.M.Vinothini	UG	31
2	Ms.R.Meenal	UG	32

Academic Year 2014 - 15

Sl.No	Name	Course	Rank
1	Ms.R.Gayathri	PG	38
2	Ms.D.Rajeshwari	PG	44
3	Ms.M.Suganya	PG	45



Academic Year 2015 – 16

Sl.No	Name	Course	Rank
1	Ms.B.Deepalakshmi	PG	26

**24. List of eminent academicians and scientists / visitors to the department**

Sl.No	Date	Name of the Academician / Scientist/Visitor	Designation
1	25.02.2015	Dr.P.Dananjayan	Professor and Dean, Pondicherry Engineering College, Pondicherry.
2	14.03.2016	Dr.M.Bhuvaneshwari	Assistant Professor, Anna University, Trichy.
3	09.10.2016 & 10.10.2016	Dr.S.Ragavan	Professor, National Institute of Technology, Trichy.
4	13.03.2014	Dr.S.Rajaram	Associate Professor, Thiyagarajar College of Engineering, Madurai.
5	14.03.2013	Mr.P.Manoharan	Deputy General Manager, Bharat Heavy Electricals Limited, Trichy.
6	08.03.2012	Dr.S.Kumanan	Professor and Head of Production Engineering, National Institute of Technology, Trichy.



National Level Technical Symposium &amp; Project Display

**25. Seminars /Conferences/Workshops organized & the source of funding**

Sl. No	Programme Details	Date	Resource Person	No of Participants	Source of funding
1	International Conference on Technological Developments in Engineering	09.04.2015 & 10.04.2015	Dr.V.PonRaj, Scientific Advicer, Chennai.	18	Self supporting
2	Hands on Training on Antenna Softwares and Design	23.07.2016	Mrs. B. Anandhi Meena Chief Executive Officer,GK Antennas,Madurai	56	Self supporting
3	PCB layout Design	10.09.2016 11.09.2016 17.09.2016 18.09.2015 24.09.2016 25.09.2016	Mr.R.Aanath &Mr.R.Girish Vingyan Innovations Private Limited, Chennai.	19	Self supporting



**International Conference on Technological Developments in Engineering and Workshop and Training on "Antenna Softwares"**



**Workshop "PCB layout Design"**

**26. Student profile programme/course wise:**

<b>BE-Electronics and Communication Engineering</b>					
<b>Name of the Course/programme (refer question no. 4)</b>	<b>Applications received</b>	<b>Selected</b>	<b>Enrolled</b>		<b>Pass percentage</b>
			<b>*M</b>	<b>*F</b>	
2009-2013	55	53	32	21	80.7
2010-2014	72	72	42	30	71.01
2011-2015	54	49	27	22	64.58
2012-2016	47	47	10	37	66.66

ME- Communication Systems					
Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2012-14	17	17	7	10	100
2013-15	19	19	4	15	93.75
2014-16	10	10	3	7	80
2015-17	5	4	1	4	-

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	Batch	% of students from the same state	% of students from other States	% of students from abroad
M.E(Communication Systems)	2012-16	95	5	-
B.E(Electronics and Communication Engineering)	2009-13	95	5	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

## 29. Student progression

Student progression	Against % enrolled			
	2012-13	2013-14	2014-15	2015-16
UG to PG	7	1	1	3
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
<b>Employed</b> - Campus selection - Other than campus recruitment	34	13	22	04
	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-

## 30. Details of Infrastructural facilities

## a) Library

Number of Books Available in Central Library For ECE Department	Number of Books Available in Department Library
3704	52

## b) Internet facilities for Staff &amp; Students

- Internet Facility available with 32Mbps speed.

## c) Class rooms with ICT facility

- Exclusive Hall with LCD Projector and PA system

## d) Laboratories

- Circuits and Devices Laboratory
- Analog and Digital Circuits Laboratory
- OOPS and Data Structures Laboratory
- Circuit and Simulation Integrated Laboratory
- Linear Integrated Circuit Laboratory
- Electrical Engineering and Control System Laboratory
- Digital Signal Processing Laboratory
- Communication System Laboratory
- Microprocessor and Microcontroller Laboratory
- Computer Networks Laboratory
- VLSI Design Laboratory
- Embedded Systems Laboratory
- Optical and Microwave Laboratory



**Microprocessor & Microcontroller Lab and Circuit & Simulation Lab**





**Embedded System Laboratory and Digital Electronics Laboratory**

**31. Number of students receiving financial assistance from college, university, government or other agencies**

**BE-Electronics and Communication Engineering**

Academic Year	Year	First Graduate	BC	MBC	BCM	SC	SCC
2013-14	I	14	9	3	2	2	-
	II	29	19	8	3	2	-
	III	30	15	11	2	7	2
	IV	34	13	9	1	6	1
2014-15	I	10	1	5	-	6	-
	II	13	10	4	1	2	-
	III	29	19	8	4	6	1
	IV	29	14	10	2	2	2
2015-16	I	6	3	1	4	6	1
	II	11	5	6	1	5	-
	III	13	10	4	1	2	-
	IV	25	19	6	3	7	1
2016-17	I	8	13	5	4	14	-
	II	8	3	1	4	6	1
	III	12	5	6	1	5	-
	IV	13	10	4	1	2	-

**ME - Communication Systems**

Academic Year	Year	BC	MBC	BCM	SC	SCC
2013-14	I	2	1	-	3	-
	II	4	-	-	4	-
2014-15	I	-	1	-	3	-
	II	2	1	-	3	-
2015-16	I	1	-	-	1	-
	II	-	1	-	2	1



**32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts**

Sl.No	Programme Details	Date	Resource Person	No of Participants
1	MATLABOTRIX	04.10.2013& 05.10.2013	Mr.Aakash Kumar, Research Engineer, Bangalore	70
2	Arduino Tenet	19.02.2015& 20.02.2015	Mr.Pandidurai, Head, Training Services, Tenet Varsity, Bangalore	50



**Workshop "MATLABOTRIX" & Certificate Distribution to Participants**



**Workshop "Arduino Tenet" & Certificate Distribution to Participants**

**33. Teaching methods adopted to improve student learning**

- NPTEL videos are downloaded and presented to improve their learning.
- Power Point Presentation is prepared for easy understanding of topics.
- Question Banks are prepared for each subject to improve their academic performance.
- Group discussion are arranged to share their ideas about projects.
- Soft skill Training programmes are arranged to improve their communication skills.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

Sl.No	ISR/Extension Activities	Current Academic Year
1	Rotract	4
2	National Service Scheme	5
3	Language Enhancement	8
4	Civil Service	6
5	Higher Education	5
6	Sports	6
7	Innovation	8
8	Fine Arts	1
9	Photography	10

**35. SWOC analysis of the department and Future plans****Strength**

- Strong Team Work in the Department
- Well qualified and dedicated staff members
- Special coaching in technical skills
- Innovative project works by students
- Involvement of students in technical activities
- Producing many number of university rank holders
- Excellence in sports

**Weakness**

- Publications in reputed journals/transactions
- Communication skills
- Lags in industrial relationship
- Sparsity of time for teachers for research work

### **Opportunity**

- Plenty of job opportunities in hardware and software companies
- To establish new companies
- On and Off Campus interviews
- Developing innovative projects

### **Constraints**

- Communication skills
- Retention of qualified faculty
- Students strength

### **Future Plans**

- Making all the classrooms with ICT facility
- Getting fund from various sectors for conducting technical activities
- Getting research center
- Collaboration with electronic industries
- Encouraging the students to become entrepreneur

Dr. A. Naveen Sait, M.E., Ph.D  
Principal

Date : 08.04.2017

## DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self Study Report are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions and no part thereof has been outsourced. I am aware that the peer team will validate the information provided in this SSR during the peer team visit.



Signature of the Head of the institution with seal

**PRINCIPAL**  
**CHENDHURAN COLLEGE OF**  
**ENGINEERING AND TECHNOLOGY**  
**PUDUKKOTTAI - 622 507**





Dr. A. Naveen Sait, M.E., Ph.D  
Principal

Date :

## Certificate of Compliance

This is to certify that **Chendhuran College of Engineering and Technology, Pudukkottai, Tamil Nadu** fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.


In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date : 08.04.2017  
Place: Pudukkottai



  
Principal/Head of the Institution  
(Name and Signature with Office seal)

**PRINCIPAL**  
CHENDHURAN COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
PUDUKKOTTAI - 622 507.



**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

F.No. Southern/1-2811408879/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary  
(Higher Education) Govt. of Tamil Nadu,  
N. K. M. Bld. 6th Floor Secretariat,  
Chennai-600009

**Sub: Extension of approval for the academic year 2016-17**

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2811408879
Name of the Institute	CHENDHURAN COLLEGE OF ENGINEERING & TECHNOLOGY	Permanent Id	1-6417641
Name of the Society/Trust	TIRUCHENDHUR MURUGAN TRUST	Institute Address	MADURAI MAIN RAOD, LENA VILAKKU, PILIVALAM POST, THIRUMAYAM TALUK, PUDUKKOTTAI DIST-622 507., PUDUKKOTTAI, PUDUKKOTTAI, Tamil Nadu, 622507
Institute Type	Unaided - Private	Society/Trust Address	5379/1, AVM BUILDING, ALANGUDI ROAD, PUDUKKOTTAI,PUDUKKOTTAI,PUDUKKOTTAI,Ta mil Nadu,622001

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2811408879			Course		Affiliating Body		Intake 2015-16		Intake Approved for 2016-17		NRI Approval status		PIO / FN / Gulf quota Approval status		Foreign Collaboration/Twinning Program Approval status	
Program	Shift	Level		Full/Part Time												
	1st	POS	COMMUNICATI	FULL	Anna		18	18	NA	NA	NA	NA	NA	NA	NA	NA

Application Number: 1-2811408879

Note: This is a Computer generated Report.No signature is required.

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Letter Printed On:25 April 2016

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**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

ENGINEERING AND TECHNOLOGY	Shift	T G R A D U A T E	ON SYSTEMS	TIME	University, Chennai					
ENGINEERING AND TECHNOLOGY	1st Shift	POS T G R A D U A T E	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POS T G R A D U A T E	MANUFACTURING ENGINEERING	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POS T G R A D U A T E	POWER ELECTRONICS AND DRIVES	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POS T G R A D U A T E	STRUCTURAL ENGINEERING	FULL TIME	Anna University, Chennai	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
	1st	UND	MECHANICAL	FULL	Anna	120	120	NA	NA	NA

Application Number: 1-2811408879

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ENGINEERING AND TECHNOLOGY	Shift	ER GRADUATE	ENGINEERING	TIME	University, Chennai					
----------------------------	-------	-------------	-------------	------	---------------------	--	--	--	--	--

The above mentioned approval is subject to the condition that CHENDHURAN COLLEGE OF ENGINEERING & TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**Note: Validity of the course details may be verified at [www.aicte-India.org](http://www.aicte-India.org)**

**Dr. Avinash S Pant**  
**Vice - Chairman, AICTE**

Copy to:

- The Regional Officer,**  
All India Council for Technical Education  
Shastri Bhawan 26, Haddows Road  
Chennai - 600 006, Tamil Nadu
- The Director Of Technical Education,**  
Tamil Nadu
- The Registrar,**  
Anna University, Chennai
- The Principal / Director,**  
CHENDHURAN COLLEGE OF ENGINEERING & TECHNOLOGY  
MADURAI MAIN RAOD,  
LENA VILAKKU,  
PILIVALAM POST,  
THIRUMAYAM TALUK,  
PUDUKKOTTAI DIST-622 507.,  
PUDUKKOTTAI,PUDUKKOTTAI,  
Tamil Nadu,622507
- The Secretary / Chairman,**  
TIRUCHENDHUR MURUGAN TRUST  
5379/1,  
AVM BUILDING, ALANGUDI ROAD,  
PUDUKKOTTAI,  
PUDUKKOTTAI,PUDUKKOTTAI,  
Tamil Nadu,622001
- Guard File(AICTE)**

  
**PRINCIPAL**  
**CHENDHURAN COLLEGE OF**  
**ENGINEERING AND TECHNOLOGY**  
**PUDUKKOTTAI - 622 507.**

Application Number: 1-2811408879

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Application Number: 1-2811408879  
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# ANNA UNIVERSITY

CHENNAI - 600 025, INDIA

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

REGISTRAR

Lr No. 02 /AFFLN/CAI/TCY/AU/2016-17/9103

Date: 14-05-2016

To

The Principal,  
Chendhuran College of Engineering and Technology, Lena  
Vilakku, Pilivalam (PO), Thirumayam(Taluk),  
Pudukkottai-622507

8  
22/5/16

Sir,

Sub: AU - AFFILIATION - Provisional Affiliation for the existing course(s) / New course(s) / variation in intake - U.G. / P.G. for the academic year 2016-17 Granted - Reg.

- Ref: 1. Your application for affiliation for the academic year 2016-17  
2. AICTE Approval for the academic year 2016-17.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year 2016-17 at Chendhuran College of Engineering and Technology, Lena Vilakku, Pilivalam (PO), Thirumayam(Taluk), Pudukkottai-622507.

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2015-16	2016-17
1	B.E.	Civil Engineering	60	60
2	B.E.	Computer Science and Engineering	60	60
3	B.E.	Electrical and Electronics Engineering	60	60
4	B.E.	Electronics and Communication Engineering	60	60
5	B.E.	Mechanical Engineering	120	120
6	M.E.	Communication Systems	18	18
7	M.E.	Computer Science and Engineering	18	18
8	M.E.	Manufacturing Engineering	18	18
9	M.E.	Power Electronics and Drives	24	24
10	M.E.	Structural Engineering	24	24

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a Committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE / University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law being in force, suitable action



including suspension / withdrawal of affiliation of course(s) may be initiated against the college.

- Students should not be admitted for the above course(s) for the next academic year without obtaining the order of continuation of provisional affiliation for the next academic year from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.



Copy to:

1. The Director of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
3. Master file.

Yours sincerely,

REGISTRAR  
REGISTRAR  
ANNA UNIVERSITY  
CHENNAI-600 025

PRINCIPAL  
CHENDHURAN COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
PUDUKKOTTAI - 622 507.