

# The Annual Quality Assurance Report (AQAR) of the IQAC

*(For Affiliated/Constituent Colleges)*

## Part – A

### Data of the Institution

1. Name of the Institution : Erode Sengunthar Engineering College

- Name of the Head of the institution : Dr. V. Venkatachalam
- Designation : Principal
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no. : 04294 – 232701 to 03
- Mobile no. : +91 94421 32706
- Registered e-mail : [esecprincipal@gmail.com](mailto:esecprincipal@gmail.com)
- Alternate e-mail : [contact@esec.ac.in](mailto:contact@esec.ac.in)
- Address : Erode Sengunthar Engineering College,  
Perundurai, Erode – 638057.
- City/Town : Erode
- State/UT : Tamil Nadu
- Pin Code : 638057

2. Institutional status:

- Affiliated / Constituent : Affiliated to Anna University, Chennai
- Type of Institution : **Co-education** ~~Men/Women~~

- Location : Rural/Semi-urban/Urban : Rural
- Financial Status : ~~Grants in aid/ UGC 2f and 12 (B)/~~

**Self-financing**

- Name of the Affiliating University : Affiliated to Anna University, Chennai
- Name of the IQAC Co-ordinator : Dr. M. Shyamalagowri
- Phone no. : 04294 232701
- Alternate phone no. : 04294 232702
- Mobile : +91 98426 60908
- IQAC e-mail address : [iqac@esec.ac.in](mailto:iqac@esec.ac.in)
- Alternate Email address : [contact@esec.ac.in](mailto:contact@esec.ac.in)

**3. Website address:**

Web-link of the AQAR: (Previous Academic Year):

[www.erode-sengunthar.ac.in/IQAC/2017-18/](http://www.erode-sengunthar.ac.in/IQAC/2017-18/)

**4. Whether Academic Calendar prepared during the year?**

**Yes/No.....**, if yes, whether it is uploaded in the Institutional website:

Weblink: [www.erode-sengunthar.ac.in/IQAC/2017-18/](http://www.erode-sengunthar.ac.in/IQAC/2017-18/)

**5. Accreditation Details:**

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	A	3.01	2015	from: 2015 -16 to: 2019 - 2020
2 <sup>nd</sup>				from: to:
3 <sup>rd</sup>				from: to:
4 <sup>th</sup>				from: to:
5 <sup>th</sup>				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 17.06.2015

**7. Internal Quality Assurance System**

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Regular meeting of Internal Quality Assurance Cell (IQAC feedback from all stakeholders collected, analyzed and used for improvements)	1 <sup>st</sup> Meeting – 22.09.2017 2 <sup>nd</sup> Meeting – 21.12.2017 3 <sup>rd</sup> Meeting – 27.02.2018 4 <sup>th</sup> Meeting – 29.05.2018	IQAC Members
Timely submission of Annual Quality Assurance Report (AQAR) to NAAC	Immediately after the arrival of revaluation results	Entire Institution
Academic Administrative Audit (AAA) conducted and its follow up action	24.08.2017 & 28.08.2017 (Two days) 22.12.2017 & 27.12.2017 (Two days)	Entire Institution
Participation in NIRF	07.12.2017 & One Year	Entire Institution
ISO certification	--	--
NBA etc.	Date of Visit 03.03.2017 – 05.03.2017 Accredited for 3 years	Civil Engineering Mechanical Engineering Chemical Engineering
Any other quality audit	--	--

**8. Provide the list of funds by Central/ State Government-**

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

<b>Institution / Department / Faculty</b>	<b>Scheme</b>	<b>Funding Agency</b>	<b>Year of award with duration</b>	<b>Amount</b>
Erode Sengunthar Engineering College / CSE / Dr.V.Venkatachalam, Ms.K.Kavitha & Ms.Kalaiselvi	National Seminar	Indian Council for Medical Research	2018 (Two Days)	Rs. 40,000.00
Erode Sengunthar Engineering College / CSE / Dr. K.M. Subramanian	PMKVY ( Pradhan Mantri Kaushal Vikas Yojana )	AICTE, New Delhi	2017 (200 Hours)	Rs. 2,02,500.00
Erode Sengunthar Engineering College / EEE / Mr. G. S. Satheesh Kumar	Seminar Grant	TNSCST	2017 (One day)	Rs.20,000.00
Erode Sengunthar Engineering College / EEE / Ms. M.Shyamalagowri	NAAC, Bengaluru.	NAAC	2018 (One day)	Rs. 50,000.00
Erode Sengunthar Engineering College / EEE / Mr. L.Anbarasu	Student Project Proposal Scheme	TNSCST	2018 (One Year)	Rs. 10,000.00
Erode Sengunthar Engineering College / ECE / Mr. M. Karthick Kumar	FAER McAfee Award	Motorola	2018 (Three months)	Rs.5000.00
Erode Sengunthar Engineering College / Chemical Engineering / P Induja & K Reetabai	Seminar Grant	DRDO	2018 (One day)	Rs. 20,000.00
Erode Sengunthar Engineering College / Chemical Engineering / M P Murugesan	Student Project Proposal Scheme	TNSCTC	2017-2018 (Four months)	Rs. 10,000.00
Erode Sengunthar Engineering College / Chemical Engineering/ T Usharani	Workshop	CSIR	2017 (Two days)	Rs. 20,000.00
Erode Sengunthar Engineering College / Chemical Engineering / Dr K Muthamizhi	Student Project Proposal Scheme	TNSCTC	2017-2018 (Four months)	Rs. 10,000.00

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Erode Sengunthar Engineering College / Chemical Engineering / Dr P Akilamudhan	Entrepreneurship Development	DST-NIMAT	2017 (One day)	Rs. 28,000.00
Erode Sengunthar Engineering College/MBA/ Dr.K.T.Kalaiselvi	DST/NRDMS/ SC/ST	DST/.NRDMS	2017 – 18 (Two years)	Rs. 9,17,893.00
Erode Sengunthar Engineering College/MBA/Dr.K.T.Kalaiselvi	TNSCST/DIT	TNSCST	2017 – 18 (Three days )	Rs. 54,000.00
Erode Sengunthar Engineering College /MBA/ Dr.K.T.Kalaiselvi	TNSCST/SPSS	TNSCST	2017 – 18 (Three Months)	Rs. 10,000.00
Erode Sengunthar Engineering College / M.C.A. / Dr. G. Lalli, Associate Professor.	PMKVY ( Pradhan Mantri Kaushal Vikas Yojana )	AICTE, New Delhi	2017 (One Year)	Rs. 3,03,750.00
Erode Sengunthar Engineering College / M.C.A. / Dr. M. Thangavel & Mr. A. Rajesh	DIT	TANSCST	2017 (Three days)	Rs. 46,500.00
Erode Sengunthar Engineering College / M.C.A. / Dr. M. Thangavel, Mr. A. Rajesh.	Popularization of Science (POPS)	TANSCST	2017 (Two days)	Rs. 20,000.00
Erode Sengunthar Engineering College / M.C.A. / Dr. J. Vandar Kuzhali & Dr. M. Thangavel	Popularization of Science (POPS)	TANSCST	2017 (Two days)	Rs. 20,000.00
Erode Sengunthar Engineering College / Mathematics / Dr. G.R.Umamaheswari	Popularization of Science among rural school students through Movable Science Exhibition	TNSCST	2017 (Five days)	Rs. 25,000.00
Erode Sengunthar Engineering College / Mathematics / Dr.P.G.Palanimani, M.S.Devimani.	Seminar Grant	CSIR	2017 (Two days)	Rs. 20,000.00

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

\*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year:

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... Yes/~~No~~

[www.erode-sengunthar.ac.in/IQAC/2017-18/](http://www.erode-sengunthar.ac.in/IQAC/2017-18/)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes No

If yes, mention the amount:

**Rs. 50,000 (Rupees Fifty thousand) for conducting for conducting one day National Level Seminar on “Institutional Quality Enhancement and Sustenance in Higher Education in Rural Areas” by NAAC Bengaluru.**

**Year : 2017 – 18**

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

- Periodical meetings with various stake holders are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings. The Academic Audit was conducted and the report was analyzed in the IQAC meetings.
- Personality development programmes, Value added certificate courses & Pre-placement training programmes were conducted to enhance the level of placement. Motivational and Career guidance training programmes were offered to strengthen the confidence level of students to pursue their higher studies and for better placement.
- Memorandum of Understanding was established with various industries to build up the Industry Institute Interaction at various levels.
- Library services were upgraded periodically by increasing no. of books, journals and e-journals to facilitate reading for the faculty members and students. The faculty and students were motivated to publish their innovative research ideas in referred international journals by utilizing library services.
- The students were motivated to participate in co curricular, extracurricular activities and social services. The students were encouraged to take part in technical and creative activities besides the classroom teaching and laboratory practices by making them involved in collaborations with industries through industrial projects, industrial visits and in-plant trainings and consultancy projects like extension activities to nearby industries & hospitals.
- The college encourages the practice of planting tree saplings in the campus to create green environment.

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

Plan of Action	Achievements/Outcomes
To improve the academic results and the graduation rate.	In the academic year 2017 – 18, the overall result was <b>51%</b> and the graduation rate was <b>87%</b>
To enhance the placement rate in core and multinational companies	266 students got placed in various core and multinational companies out of 446 students in the on campus and 22 students were placed in off campus. Totally 76 core and 14 multinational companies visited the college for campus recruitment.
To provide the quality enhancement programmes to the faculty members, students and the administrative staff.	Many no. of quality enhancement programmes were conducted in the academic year 2017 - 18.
To strengthen the activities of all the clubs and forums in the college.	Clubs like Rotaract, NSS were organizing various functions to build social awareness & responsibility among the students.
To promote the research & development activities and the consultancy activities	Research projects and seminar proposals were submitted to various funding agencies like DST, DRDO, ICMR, TNSSTC, MoES etc., during the academic year 2017 – 18. Total of 19 seminar / workshop/ project schemes were sanctioned for the faculty members for the grant of Rs. 17,78,282/- and Total of 13 project proposals were sanctioned for the students for the grant of Rs. 1,25,000/-. Rs. 3,84,100/- was generated through consultancy activities by providing training to the industrial employees, material testing, etc. Details provided in the annexure – 1

- 14.** Whether the AQAR was placed before statutory body? **Yes / No:**

Name of the statutory body : IQAC Members

Date of meeting(s) : 29.05.2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

**Yes/No** : Yes during NBA visit for Mechanical, Chemical and Civil Engineering

Date : from 03.03.2017 to 05.03.2017

16. Whether institutional data submitted to AISHE: **Yes/ No**

Year: NA

Date of Submission: NA

17. Does the Institution have Management Information System?

**Yes No**

Yes, ERP Software is used for automating the entire campus level activities.

Erode Sengunthar Engineering College uses Educational ERP software called Insproplus developed by Palpap Ichinichi Software International Ltd. Enterprise resource planning or ERP software is a suite of applications that manages core business processes, such as sales, purchasing, accounting, Human Resource, customer support, CRM and inventory. It's an integrated system as opposed to individual software designed specifically for business process. Using a centralized database, ERP software helps businesses collect, store, manage and interpret data from various business units. Likewise, ERP is used to automate back-office tasks and streamline cross-departmental workflows. When optimized, the solution can drive efficiency, lower costs and increase profitability.

The purpose of ERP software is to increase efficiency, streamline processes and promote a culture of collaboration in the organization. The advantages of ERP software are Increase efficiency, Promote collaboration, Lower operational costs, and Increase data security. ERP can be fully integrated or customized to specific processes. A typical ERP system covers key business processes and consists of the following modules Master Wizard, Security, Academic, Track Master, Performance Report, Finance, Human Resource Management (HRM), Library, Hostel, Inventory, Data Upload, SMS, Dynamic Reports and Access Reports and Backup and Restore

- **MASTER WIZARD:** This module manages the basic information of our College. In this module, we can add the degree, course name, etc. Additionally, we have academic details like, semester information, bell timings, subject master, subject type master, syllabus master. The administrator has to add all the basic information and academic details to full fill all the fields in the application.



- **SECURITY:** The security module helps you to protect the data. In this module, new user is created for the faculty members to mark attendance, Mark Entry, Report Generation etc. Security Module is maintained by the administrator. The rights and privileges is given to the faculty members, only concern module can be accessed by the person. The registered and authorized person can only access the ERP software.
- **ACADEMIC:** This module consists of student management, staff management, academic, office admin, academic reports, help are the sub-modules in the Academic. In this module, majorly focused on the student entry, Roll no generation, ID card Entry, Faculty entry, Faculty attendance and reports are generated for both students and faculty members.
- **TRACK MASTER:** The module handles the tracking of the student entry, lesson planner, attendance, CAM entry, External mark entry, Insproplus student OPAC search is tracked in this module.
- **PERFORMANCE REPORTS:** This module is used to generate the reports for various parameters like students' reports, academic reports, attendance reports, placement cell reports, general reports, ISO reports, admission status reports can be generated.
- **FINANCE:** In this module all financial management is handled like, master, journal, Daybook Transaction, balance and reconciliation statement, report, security etc. are used as sub module while dealing with cash.
- **HUMAN RESOURCE MANAGEMENT:** This module features standard HRM tools like HR year, staff details, attendance, attendance reports, payroll, and Income tax calculation. HRM module may also include performance reviews and payroll system. The latter is closely integrated with the financial management module to manage wages, travel expenses and reimbursements.
- **LIBRARY:** This module is sometimes referred to as Library Management System (LBS). This module plays the vital role for both the students and faculty members. There are several tools used in this module like, user In/Out entry, accessories, transaction, stock analyzer, subscription, Library payment, Reports, Bar code label generator, smart card reader/writer.
- **HOSTEL:** This module is used to record the student information that stays in the hostel (both boys and girls). Daily attendance maintenance, report generation, mess bill calculation is managed in this module.
- **INVENTORY:** Also called material management module, it helps to measure stock targets, standardize replenishments and other inventory goals. It uses product serial numbers to track and locate items in your organization. This module is closely integrated with the Purchase module. This module manages the processes involved in materials procurement like: supplier listings; quotation requests and analysis; budget allocation; purchase orders; stock transfer; maintenance and report.

- **DATA UPLOAD:** This module helps to upload the files through Internet Manager. The Internet Manager module needs to specify the internet host, proxy settings, port number, user id and password. Since, these settings will be used to upload the data to the web server.
- **SMS:** This module helps to send SMS and voice call to the parents. There is a provision of bulk message sending and master settings for automatic SMS. These settings are used to send the message to the parents.
- **DYNAMIC AND ACCESS REPORTS:** This module helps to generate the reports for students and faculty attendance, hostel, library, etc. and also the information can be accessed by the authorized person.
- **BACKUP AND RESTORE:** This module helps to protect the data and data backup is maintained daily basis. If any data or information is lost, we can restore the data if needed.

**Part – B**

<b>CRITERION I – CURRICULAR ASPECTS</b>
<b>1.1 Curriculum Planning and Implementation</b>
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation.
<p>Being the affiliated institute, the institute implements the curriculum prescribed by Anna University, Chennai. For effective implementation of the curriculum, the following process is developed and deployed. Plan for effective implementation of curriculum: At the outset, the Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars and industrial visits besides the regular/traditional chalk and talk methods. We follow the academic calendar provided by the University which is circulated to all departments. At the beginning of the semester we prepare Objective Driven Teaching Plan.</p> <p>Faculty members maintain course file throughout semester. The College encourages its faculty members to participate in Orientation/Refresher Courses/ Workshops/ Seminars organized by the University so as to update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models and software to enable its teachers to ensure effective delivery of curriculum. Library committee conducts meeting and takes appropriate decision regarding the requirement and procurement of books, journals, e-journals. Ensuring staff have opportunities for keeping their skills and industry/business expertise up to date Encouraging faculty members to evaluate their own learning and teaching practice Encouraging innovation in learning and teaching – planning how practice can be shared amongst lecturers Establishing MOUs with various industries and institution.</p> <p>Every Faculty member is tried to achieve PEOs and POs- Programme Educational Objectives and program objective of each branch of study are framed. The students of that branch would have gained strong fundamental knowledge, acquired enough managerial skill and developed an inclination for lifelong learning. The teaching and laboratory plans are approved by Head of Department (HoD) before the start of semester and communicated to students by respective course teacher. The course files are evaluated by Internal Quality Assurance Committee (IQAC) with help of concerned senior subject teacher and HoD.</p> <p>IQAC monitors the academic activities on regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process and finds the gap, if any. For a group of around 20 students a teacher is allocated as Mentor. Mentor conducts a weekly meeting and does the counseling of poor performing students. The academic performance of students is continuously monitored by conducting unit tests, mock practical examinations during the semester. Bridge courses are organized and conducted for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering. Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., in the delivery of the academic courses. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.</p>

1.1.2 Certificate/ Diploma Courses introduced during the Academic year					
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development	
Revit Architecture	-	16.11.2017 (7days)	Employability	Knowledge in building elevation	
Total station and Auto leveling	-	19.02.2018 (2days)	Entrepreneurship	Knowledge in surveying	
Mobile Apps Development	-	18.12.2017 to 22.12.2017 (5 Days)	Mobile application developer	Developing Mobile Apps	
Embedded systems and IoT applications	-	22.09.2017 & 23.09.2017 (2 days)	Employability	Gained knowledge about IoT applications	
ASPEN HYSYS	-	(13.11.2017 to 22.11.2017)	Employability	Gained simulation and Design Knowledge	
Financial Literacy	Online Course IIT Bombayx	23rd Jan 2018 to 19th Feb 2018 (25 days)	Employability	Gaining Financial Knowledge	
1.2 Academic Flexibility					
1.2.1 New programmes/courses introduced during the Academic year					
Programme with Code	Date of introduction	Course with Code	Date of Introduction		
Nil					
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.					
Name of the Programme adopting CBCS	Date of implementation of CBCS / Elective Course System		UG	PG	
	UG	PG			
B.E. (Civil Engineering)	Civil Engineering	Civil Engineering	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	26.09.2017 (Odd semester) 22.01.2018 (Even Semester)

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B.E. (Computer Science and Engineering)	Computer Science and Engineering	Computer Science and Engineering	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	26.09.2017 (Odd semester) 22.01.2018 (Even Semester)
B.E. (Electrical and Electronics Engineering)	Electrical and Electronics Engineering	Power Electronics and Drives	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	26.09.2017 (Odd semester) 22.01.2018 (Even Semester)
B.E. (Electronics and Communication Engineering)	Electronics and Communication Engineering	Applied Electronics	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	26.09.2017 (Odd semester) 22.01.2018 (Even Semester)
B.E. (Electronics and Instrumentation Engineering)	Electronics and Instrumentation Engineering	--	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	--
B.E. (Mechanical Engineering)	Mechanical Engineering	Manufacturing Engineering	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	26.09.2017 (Odd semester) 22.01.2018 (Even Semester)
B.Tech. (Chemical Engineering)	Chemical Engineering	--	2017 - 18 Academic year	21.07.2017 (Odd semester) 14.12.2017 (Even Semester)	--

Already adopted (mention the year)

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

	Certificate Course	Diploma Courses
No of Students	53 (Mobile Apps Development)	-
	94 (ASCEND, Kicad, OSCAD)	-
	32 (Embedded systems and IoT Applications)	-
	51 (Geometric Dimensioning and Tolerancing)	-
	172 (3D Printing)	-
	30 (Aspen HYSYS)	-
	09(Financial literacy)	IIT Bombay (Online Course)

<b>1.3 Curriculum Enrichment</b>		
<b>1.3.1 Value-added courses imparting transferable and life skills offered during the year</b>		
<b>Value added courses</b>	<b>Date of introduction</b>	<b>Number of students enrolled</b>
Revit Architecture	16.11.2017	32
AutoCAD	01.06.2017	19
Total Station and Auto leveling	19.02.2018	41
Mobile Apps Development	18.12.2017	53
Technical Training -CCUBE Technologies Pvt ltd, Erode	06.02.2018	13
Robotics	01.01.2018	30
ASPEN HYSYS	13.11.2017	30
PYTHON	13.11.2017 to 18.11.2017	47
Java Programming	14.05.2018 to 19.05.2018 & 21.05.2018 to 24.05.2018	44
Statistical package for Social Science	01.06.2017	34
<b>1.3.2 Field Projects / Internships under taken during the year</b>		
<b>Project/Programme Title</b>	<b>No. of students enrolled for Field Projects / Internships</b>	
Experimental behavior of autoclave Aerated Concrete Block Added with Super plasticizer	04 / Field project	
Experimental investigation of replacement of steel dust in concrete	04 / Field project	
Hindustan Construction Co Ltd Jammu& Kashmir, Erode.	01 / Internship	
S.Meganathan Constructions, Tiruppur.	04 / Internship	
S.V Associates, Erode.	04 / Internship	
Utham Constructions, Dharmapuri.	04 / Internship	
R. Mohanraj & Co, Erode.	05 / Internship	
Arun builders and Promoters, Erode.	05 / Internship	
P.V.N Construction, Erode.	04 / Internship	
J.K. Constructions, Coimbatore.	04 / Internship	
RGP Constructions Erode.	05 / Internship	
Sri Balaji Constructions, Palani.	05 / Internship	
R.Mohanraj & Co, Erode.	03 / Internship	
D.R.Construction, Erode.	09 / Internship	
Sri Malar Builders, Pollachi.	03 / Internship	
Sowbhaggya Construction, Pollachi.	03 / Internship	

Utham Constructions, Dharmapuri.	09 / Internship
Cauvery Constructions Erode.	03 / Internship
Mars India Construction, Erode.	07 / Internship
Android App Development	51 / Internship
Networking	04 / Internship
Customized Maintenance application for Earth Movers	04 / Field Project
Network Performance and Analysis tool	02/ Field Project
Automation Process for Machine data generations	04/ Field Project
Mobile App for JCI	02/ Field Project
Application of Automatic Speaker Verification Technique for Forensic Evidence Evaluation	04 / Field Project
Evobi Automation private limited, Bangalore	02 / Internship
Enviro care Indian pvt ltd, Coimbatore	02 / Internship
Lakshmi enterprises, Erode	01 / Internship
Vi Micro Systems Pvt. Ltd, Chennai	07 / Internship
TANGEDCO, Tirupattur	06 / Internship
Alfa Engineers, Erode	09 / Internship
Electric Loco shed, Erode	03 / Internship
Sri Ratna Lakshmi Spinning Mills (P) Ltd, Thiruppur	09 / Internship
TANGEDCO, Virudhunagar	04 / Internship
TANGEDCO, Erode	07 / Internship
Uniq technologies, Coimbatore	06 / Internship
Sri velan electronics, Erode	01 / Internship
NLC India limited, Neyveli	03 / Internship
TANGEDCO, Virudhunagar	03 / Internship
Durga Tech, Research and development, Erode	06 / Internship
Lenova Private Ltd., Chennai	01 / Internship
BSNL, Cuddalore	04 / Internship
BSNL, Erode	02 / Internship
Coimbatore spinning and weaving mills, Coimbatore	07 / Internship
Biomass based power project, Madurai	01 / Internship
COSMO, Chennai	01 / Internship
Sri velavan electronics, Erode	01 / Internship
The India cements limited , Salem	01 / Internship
Azimuth and elevation drive mechanism in 3 meter dish antenna (NCRA-TIFR, Pune)	01 / Field Projects

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Line balancing and elimination of waste in damper assembly (Tenneco Automotive India Pvt. Ltd., Hosur)	04 / Field Projects
Elimination of support bracket in Tototo 640A Front Shock Absorber (Tenneco Automotive India Pvt. Ltd., Hosur)	04 / Field Projects
Effort Reduction in ZF Gearbox Rectification Area (Ashok Leyland Ltd, Ennore)	02 / Field Projects
Establishment of Impact Properties in T23 tube bends (Bharat Heavy Electricals Ltd)	04 / Field Projects
Reducing Non value added time in the production of caliper housing machining (Mando Automotive India Pvt. Ltd., Chennai)	02 / Field Projects
Clubbing of heat treatment cycle for P91 material (Bharat Heavy Electricals Ltd)	04 / Field Projects
Improvement of turbine efficiency in 210MW thermal power station (Mettur thermal power station – I)	04 / Field Projects
Design and Fabrication of Shop made Fixture for $\phi$ 219.40 Elbow Joint (Bharat Heavy Electricals Ltd, High Pressure Boiler Plant Trichy)	03 / Field Projects
Heat Recovery from The Boiler Startup Vent Steam (TNPL,Kagithapuram, Karur)	01 / Field Projects
Design of Automatic Equipment for Cleaning Coolant Filter and Perform Maintenance Analysis (Ashok Leyland Limited, Chennai)	04 / Field Projects
Using various coalescent filters for removal of moisture in vacuum pump(Toshniwal,chennai)	04 / Field Projects
Travancore-Cochin Chemical Ltd, Udyogamandal	01 / Field Projects
Doosan Bobcat India Pvt. Ltd, Bangalore	01 / Field Projects
Southern Petrochemical Industries Corporation Ltd, Tutocorin	01 / Internship
Fertilizers and Chemicals Trivancore, Kerala	10 / Internship
Pasteur Institute of India, Coonoor	14 / Internship
Dhrangadhra Chemical Works Limited, Tuticorin	03 / Internship
Aavin Dairy, Erode	01 / Internship
Sri Balaji Plastics, Coimbatore	01 / Internship
Tamil Nadu Cement Corporation Limited, Ariyalur	14 / Internship
Chennai Petroleum Corporation Limited, Chennai	10 / Internship
Study of calcination of lime stone and Lime sludge in different feed ration	04 / Field Project
Manufacture of ammonia by Haber Process	01 / Field Project
Design of process equipment's of sulfur recovery plant	05 / Field Project



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Synthesis of silver chloride nano particles using effluent extract and it analysis	02 / Field Project
Sree Rengaraj Ispat Industries Private Limited, Perundurai.	06/ Internship
Vijaya Chemicals and , Chennai(Aruna devi)	01/Internship
Chamundi sugars, Mysore	01/Internship
Study of calcination of lime stone and lime sludge in different feed ratio	04 / Field Project
Manufacture of ammonia by Haber Process	01 / Field Project
Design of process equipment of sulfur recovery plant	05 / Field Project
Synthesis of silver chloride nano particles using effluent extract and it analysis	02 / Field Project
Manufacture of ammonia by Haber Process	01/ Field Project
Fertilizers and Chemicals Trivancore, Kerala	10 / Internship
Southern Petrochemical Industries Corporation Ltd, Tutocorin	01 / Internship
Pasteur Institute of India, Coonoor	14 / Internship
Dhrangadhra Chemical Works Limited, Tuticorin	03 / Internship
Aavin Dairy, Erode	01 / Internship
IASc-INSA- NASI Summer Research Fellowship Programme	01 / Internship
VIP Clothing (P) Limited, Thingalur	01 / Internship
INA Fashion (P) Ltd., Tirupur	01 / Internship
Bluebird Clothing Company Pvt. Ltd., Tirupur	01 / Internship
Sengunthar Mills (P) Ltd., Tiruchengode	01 / Internship
TRK Textile (India) Private Limited, Kangayam	01 / Internship
Arunn Bhalaji Cotton Mills, Chennimalai	01 / Internship
Atlas Export Enterprises, Karur	01 / Internship
Arunn Bhalaji Cotton Mills, Chennimalai	01 / Internship
Milka Bakers (P) Ltd., Gobi	01 / Internship
Black Thunder Resort, Mettupalayam	01 / Internship
Gugan Knitwears Private Limited, Perundurai	01 / Internship
Gugan Knitwears Private Limited, Perundurai	01 / Internship
The Erode District Cooperative Milk Producers' Union Limited, Chithode	01 / Internship
Gugan Knitwears Private Limited, Perundurai	01 / Internship
Santex Incorporation, Tirupur	01 / Internship
Sasi Anand Spinning Mills (India) Private Limited, Erode	01 / Internship
Sri Lakshmi Ganesh Spinning Mills, OE Division, Elumathur	01 / Internship

Gugan Knitwears Private Limited, Perundurai	01 / Internship
Pinnacle Impex(India) Private Limited, R.N.Pudur	01 / Internship
VIP Clothing (P) Limited, Thingalur	01 / Internship
Santex Incorporation, Tirupur	01 / Internship
Milka Bakers (P) Ltd., Gobi	01 / Internship
The Erode District Cooperative Milk Producers' Union Limited, Chithode	01 / Internship
INA Fashion (P) Ltd., Tirupur	01 / Internship
Angu Pumps (P) Ltd., Coimbatore	01 / Internship
Canty Garments, Tirupur	01 / Internship
Gugan Knitwears Private Limited, Perundurai	01 / Internship
TRK Textile (India) Private Limited, Kangayam	01 / Internship
Bluebird Clothing Company Pvt. Ltd., Tirupur	01 / Internship
Atlas Export Enterprises, Karur	01 / Internship
Mani India Pvt. Ltd., Kovilpatti	01/Internship
Aqualis Software Solutions Pvt. Ltd, Chennai	01/Field project
Accent Techno Soft, Coimbatore	01/Field project
Success Technology, Coimbatore	01/Field project

#### 1.4 Feedback System

##### 1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes /No	Yes /No	Yes /No	Yes /No	Yes /No

##### 1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

**Feedbacks of the stake holders were presented by respective HoD's and the details are given below.**

##### **Alumni Feedback**

- Alumni members suggested innovative techniques in content delivery and for curriculum improvement.

##### **Employer Feedback**

- Alumni members were knowledgeable in emerging areas in their profession and easily adaptable to technological changes.
- Alumni members were contributing to organizational growth.

##### **Parents' Feedback**

- Coaching classes were suggested for slow learners and academically weak students.
- Training programme was suggested for improving student's employability skills for placement.
- Improvement in core engineering placement was expected.
- Coaching classes for competitive examinations were to be given.

- Value added courses to enhance placement potential shall be conducted.

**Students' Feedback**

- Students expressed satisfaction on infrastructure of the college.
- Students expressed their satisfaction on content delivery, faculty relationship and faculty expertise.
- Students were expecting interactive and practical approach in teaching learning process
- Students requested coaching classes for competitive examinations
- Students wanted more core engineering placements in addition to IT related placements

<b>CRITERION II -TEACHING-LEARNING AND EVALUATION</b>			
<b>2.1 Student Enrolment and Profile</b>			
<b>2.1. 1 Demand Ratio during the year</b>			
<b>Name of the Programme</b>	<b>Number of seats available</b>	<b>Number of applications received</b>	<b>Students Enrolled</b>
B.E. (Civil Engineering)	90 + 18	NA	91
B. E. (Computer Science and Engineering)	90 + 18	NA	91
B.E. (Electrical and Electronics Engineering)	60 + 12	NA	58
B.E. (Electronics and Communication Engineering)	90 + 18	NA	98
B.E. (Electronics and Instrumentation Engineering)	30 + 6	NA	33
B. E. (Mechanical Engineering)	150 + 30	NA	161
B.Tech. (Chemical Engineering)	120 + 24	NA	126
M.E. (Computer Science and Engineering)	24	NA	09
M.E. (Manufacturing Technology)	18	NA	06
M.E. (Power Electronics and Drives)	18	NA	04
M.E. (Applied Electronics)	18	NA	07
M.E. (Environmental Engineering)	18	NA	18
MBA	60	NA	36
MCA	72	NA	60

<b>2.2 Catering to Student Diversity</b>					
<b>2.2.1. Student - Full time teacher ratio (current year data)</b>					
<b>Year</b>	<b>Number of students enrolled in the institution (UG)</b>	<b>Number of students enrolled in the institution (PG)</b>	<b>Number of full time teachers available in the institution teaching only UG courses</b>	<b>Number of full time teachers available in the institution teaching only PG courses</b>	<b>Number of teachers teaching both UG and PG courses</b>
2017 – 18 (Civil)	246	36	20	02	01
2017 – 18 (CSE)	165	11	24	04	28
2017 – 18 (EEE)	117	04	05	--	11
2017 – 18 (ECE)	90	07	24	03	--
2017 – 18 (EIE)	33	--	06	--	06
2017 – 18 (Mech)	356	06	32	03	37
2017 – 18 (Chemical)	329	--	24	--	--
2017 – 18 (MBA)	--	55	--	08	--
2017 – 18 (MCA)	--	124	--	12	--
<b>2.3 Teaching - Learning Process</b>					
<b>2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)</b>					
<b>Number of teachers on roll</b>	<b>Number of teachers using ICT (LMS, e-Resources)</b>	<b>ICT tools and resources available</b>	<b>Number of ICT enabled classrooms</b>	<b>Number of smart classrooms</b>	<b>E-resources and techniques used</b>
23 Civil	15	LCD Projectors and Laptops	5	5	<b>Online resources</b> <ul style="list-style-type: none"> <li>• NPTEL Courses</li> <li>• e-book</li> <li>• e-journal</li> <li>• e-library</li> </ul>
28 CSE	28	LCD Projectors and Laptops	8	-	

11 EEE	11	LCD Projectors and Laptops	3	3	<b>Offline resources</b> <ul style="list-style-type: none"> <li>• CD-ROM based</li> <li>• e-books</li> <li>• Presentations</li> </ul> <b>e-Yantra resource development center</b>
27 ECE	27	LCD Projectors and Laptops	5	5	
6 EIE	6	LCD Projectors and Laptops	3	3	
37 Mech	37	Models, LCD Projectors and Laptops	8	8	
24 Chemical	24	Models, LCD Projectors and Laptops	6	6	
8 MBA	7	LCD Projectors and Laptops	2	2	
9 MCA	9	LCD Projectors and Laptops	3	3	

2.3.2 Students mentoring system available in the institution? Give details.

<b>Number of students enrolled in the institution</b>	<b>Number of fulltime teachers</b>	<b>Mentor: Mentee Ratio</b>
246 (Civil)	20	1:12
176 (CSE)	28	1:7
117 (EEE)	11	1:10
166 (ECE)	27	1:7
47 (EIE)	6	1:8
362 (Mech)	24	1:15
325 (Chemical)	24	1:15
100 (MBA)	8	1:12
124(MCA)	12	1:11

## 2.4 Teacher Profile and Quality

### 2.4.1 Number of full time teachers appointed during the year

<b>No. of sanctioned Positions</b>	<b>No. of filled positions</b>	<b>Vacant positions</b>	<b>Positions filled during the current year</b>	<b>No. of faculty With Ph.D</b>
20 (Civil)	15	05	05	01
28 (CSE)	28	--	--	04
11 (EEE)	--	--	--	01

01 (ECE)	--	--	--	01
08 (EIE)	--	02	--	01
04 (Mech)	04	--	04	--
24 (Chemical)	16	08	08	02
01 (MBA)	01	01	01	03
02 (MCA)	02	--	02	04

#### 2.4.2 Honors and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year )

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr. P. Selvan – State level	Prof & HoD / EEE	FICCI AWARD
2017	Dr. R. Kalaivani – State level	Prof & HoD /ECE	Class C – Awarded (e-Yantra IIT Bombay)
2017	J. Madhan Mohan – State level	ASP/ECE	Class C – Awarded (e-Yantra IIT Bombay)
2018	Dr. G. Lalli – International level	Associate Professor / MCA	<b>Best Paper</b> Award for the Paper Presentation entitled “Retinal Vein Occlusion – Analysis of Risk Factors using Neuro-Fuzzy Classifier” in the International Conference on (ICAETS 2018) organized by Dhaanish Ahmed College Of Engineering, Dhaanish Nagar, Padappai (Near Tambaram), Chennai during 16th – 17 th March 2018.

#### 2.5 Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last Semester – end / year- end examination	Date of declaration of results of semester-end/ year- end examination
B.E. (Civil Engineering)	103	III / II	21.10.2017	29.12.2017
	103	V / III	21.10.2017	29.12.2017

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	103	VII / IV	21.10.2017	29.12.2017
	103	IV / II	18-04-2018	26.06.2018
	103	VI / III	18-04-2018	26.06.2018
	103	VIII / IV	18-04-2018	26.06.2018
M.E. (Environmental Science and Engineering)	416	I / I	21.10.2017	29.12.2017
	416	III / II	21.10.2017	29.12.2017
	416	II / I	18-04-2018	26.06.2018
	416	IV / II	18-04-2018	26.06.2018
B.E. (Computer Science and Engineering)	104	III / II	21.10.2017	29.12.2017
	104	V / III	21.10.2017	29.12.2017
	104	VII / IV	21.10.2017	29.12.2017
	104	IV / II	10.04.2018	26.06.2018
	104	VI / III	10.04.2018	26.06.2018
	104	VIII / IV	10.04.2018	26.06.2018
M.E. (Computer Science and Engineering)	405	I / I	21.10.2017	29.12.2017
	405	III / II	21.10.2017	29.12.2017
	405	II / I	10.04.2018	26.06.2018
	405	IV / II	10.04.2018	26.06.2018
B.E. (Electrical and Electronics Engineering)	105	III / II	24.11.2017	29.12.2017
	105	V / III	18.05.2018	29.12.2017
	105	VII / IV	10.11.2017	29.12.2017
	105	IV / II	10.05.2018	26.06.2018
	105	VI / III	18.11.2017	26.06.2018
	105	VIII / IV	18.05.2018	26.06.2018
M.E. (Power Electronics and Drives)	415	I / I	12.06.2018	29.12.2017
	415	III / II	12.06.2018	29.12.2017
	415	II / I	12.06.2018	26.06.2018
	415	IV / II	12.06.2018	26.06.2018
B.E. (Electronics and Communication Engineering)	106	III / II	02.11.2017	29.12.2017
	106	V / III	31.10.2017	29.12.2017
	106	VII / IV	01.11.2017	29.12.2017
	106	IV / II	07.05.2018	26.06.2018
	106	VI / III	23.04.2018	26.06.2018
	106	VIII / IV	23.04.2018	26.06.2018
M.E. (Applied Electronics)	401	I / I	12.01.2018	29.12.2017
	401	III / II	31.10.2017	29.12.2017



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	401	II / I	26.05.2018	26.06.2018
	401	IV / II	01.06.2018	26.06.2018
B.E. (Electronics and Instrumentation Engineering)	107	III / II	24.11.2017	29.12.2017
	107	V / III	16.11.2017	29.12.2017
	107	VII / IV	09.11.2017	29.12.2017
	107	IV / II	28.04.2018	26.06.2018
	107	VI / III	19.05.2018	26.06.2018
	107	VIII / IV	18.05.2018	26.06.2018
B.E. (Mechanical Engineering)	114	III / II	24.11.2017	29.12.2017
	114	V / III	14.11.2017	29.12.2017
	114	VII / IV	10.11.2017	29.12.2017
	114	IV / II	18.05.2018	26.06.2018
	114	VI / III	09.05.2018	26.06.2018
	114	VIII / IV	02.05.2018	26.06.2018
M.E. (Manufacturing Engineering)	410	I / I	11.11.2017	29.12.2017
	410	III / II	21.11.2017	29.12.2017
	410	II / I	07.05.2018	26.06.2018
	410	IV / II	17.05.2018	26.06.2018
B.Tech.(Chemical Engineering)	203	III / II	24.11.2017	29.12.2017
	203	V / III	16.11.2017	29.12.2017
	203	VII / IV	10.11.2017	29.12.2017
	203	IV / II	16.05.2018	26.06.2018
	203	VI / III	09.05.2018	26.06.2018
	203	VIII / IV	26.04.2018	26.06.2018
Master of Business Administration	631	I / I	21.12.2017	05.02.2018
	631	III / II	14.10.2017	29.12.2017
	631	II / I	05.05.2018	25.06.2018
	631	IV / II	10.04.2018	25.06.2018
Master of Computer Applications	621	I / I	10-01-2018	20-02-2018
	621	III / II	09-11-2017	20-01-2018
	621	V / III	08-11-2017	20-01-2018
	621	II / I	28-05-2018	29-06-2018
	621	IV / II	05-05-2018	29-06-2018
	621	VI / III	12-06-2018	29-06-2018

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

Continuous monitoring of the students is maintained throughout the year. Internal Assessment test had been conducted throughout the academic year in order to monitoring the capability of the students. Along with that model test was also been conducted in order to train the students for the semester examination. Retest will also been conducted in order to make the students fully thorough in their respective subjects. Internal marks were considered for 20 marks and for that 14 marks should be taken by the student in order to get pass mark. Three to four assignments should be given to the students in order to enhance the writing and practical skills of the students. Discipline of the students was strictly maintained during the college hours in order to make the students well disciplined by providing discipline duty. All the students were instructed to strictly shave their beards and should tuk-in shirts in order to improve the interpersonal skills of the students. Students are given leave cards in order to get permission from the faculties. The attendance % of the students should be kept above 75% in order to be eligible for writing the semester examination. Attendances have to be entered in ERP software so that the attendance of the students can be easily consolidated at the end of the semester.

In order to assess and increase the students learning ability the evaluation patterns are framed. It includes internal assessment and class tests, model examinations, viva voce and mini projects. The end semester examinations and evaluations are done by the affiliated university.

Class tests and three internal assessment tests are being conducted in a semester. In accordance with Anna University norms, the internal marks are calculated based on the performance of the students in internal assessment tests.

For practical subjects, record notebooks are provided to the students. Their performances are assessed continuously in each and every class through viva voce and model practical examinations. They are motivated to involve in doing the real time projects and present their innovative ideas in national and international conferences. The college is in the process of forming the Internal Quality Assurance Cell (IQAC). In order to implement a system for conscious, steady and catalytic improvement in the overall performance of college, it follows ISO and NBA criteria for improving the teaching-learning process. Apart from it, the Quality Improvement Cell is also functioning in the college under the senior faculty member.

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

- The Anna University publish academic calendar every semester, which contains the date of reopening, internal assessment test schedule, date of entry of attendance and internal assessment marks in Anna University web portal, University practical and theory examination schedules and last working date.
- An academic calendar is prepared at the beginning of every semester that consists of a planned schedule

of departmental activities and functions like symposiums, workshops, conferences, guest lectures, internal assessments, class committee meetings, course committee meetings, industrial visits, project expo, model theory and practical examinations, association activities, annual day celebration, hostel day and convocation day.

- Lesson plans are prepared well in advance to complete the syllabus within the period prescribed by the university. Course and lecture plans prepared by the faculty are well-structured for the effective delivery of course.
- The time table is prepared for all the theory and laboratory courses in adherence to the Anna University curriculum. The class hours are planned to ensure optimum utilization of time period for effective teaching. Besides, few periods are allocated for other co-curricular and extracurricular activities such as library, seminar, placement classes, sports, etc.
- Four unit tests and a model examination are being conducted in a semester. In accordance with Anna University norms, the internal marks are calculated based on the performance of the students in the assessment tests.

Date : 29.06.2017

**CENTRE FOR ACADEMIC COURSES**  
ANNA UNIVERSITY: : CHENNAI – 600 025  
**ACADEMIC SCHEDULE**  
**July 2017 – November 2017 (ODD SEMESTER – Except I Semester)**  
UG & PG (Regular / Self Supporting) Programmes offered in University Departments  
**(CEG / MIT / ACT / SAP Campuses)**

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	III, V, VII	03.07.2017	23.10.2017	30.10.2017
2.	B.Arch. (Full-Time)	III, V, VII, IX			
3.	M.E. / M.Tech. / M.Arch. / M.Plan.(FT)	III			
4.	M.Sc. (2 years) (Full-Time)	III			
5.	M.Sc. (5 years) (Full-Time)	III, V, VII, IX			
6.	M.C.A. (Full-Time & SS)	III, V			
7.	M.B.A. (Full-Time)	III			
8.	B.E. / B.Tech. (Part-time)	II, IV, VI			
9.	M.E. / M.Tech. / M.B.A. (Part-Time)	V			

**RE - OPENING DAY FOR THE NEXT SEMESTER: 06.12.2017 (Wednesday)**

**NOTE:**

1. The Theory and Practical Examination schedules which will be published in due course by the Additional Controller of Examinations (UD), Anna University, Chennai should be followed. (Practical Examinations will be conducted in November 2017 before the theory examinations).
2. Assessment Schedule for the July 2017 – November 2017 should be followed strictly.
3. Saturdays included in the Assessment period shall be used for conducting the Assessment Tests.

**DIRECTOR**  
**ACADEMIC COURSES**

Date: 18.11.2017

**ANNA UNIVERSITY: : CHENNAI – 600 025**  
**ACADEMIC SCHEDULE**  
for the  
**December 2017 – May 2018 (EVEN SEMESTER – Except II Semester) Session of the**  
**ACADEMIC YEAR 2017 – 2018**  
UG & PG Degree Programmes offered in Affiliated Engineering Colleges

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full-Time)	IV, VI, VIII	18.12.2017	10.04.2018	12.04.2018	23.04.2018
2.	B.E. (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	IV, VI, VIII, X				
4.	M.E. / M.Tech. / M.Arch. (FT)	IV				
5.	M.C.A. (Full-Time)	IV, VI				
6.	M.B.A. (FT)	IV				
7.	M.Sc ( 5 Yrs-Integrated)	IV, VI, VIII, X				
8.	M.B.A. (5 Yrs-Integrated)	IV				

**RE - OPENING DAY FOR THE NEXT SEMESTER: 02.07.2018 (Monday)**

**NOTE:**

1. The Theory and Practical Examination schedules will be published in the due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**DIRECTOR**  
**ACADEMIC COURSES**

DAC - SB

<b>2.6 Student Performance and Learning Outcomes</b>				
<b>2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the web link)</b>				
Yes, Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution				
The Web links are				
1. Civil Engineering :				
2. Computer Science and Engineering :				
3. Electrical and Electronics Engineering:				
4. Electronics and Communication Engineering:				
5. Electronics and Instrumentation Engineering:				
6. Mechanical Engineering:				
7. Chemical Engineering:				
<b>2.6.2 Pass percentage of students</b>				
<b>Programme Code</b>	<b>Programme Name</b>	<b>Number of students appeared in the final year examination</b>	<b>Number of students passed in final semester/year examination</b>	<b>Pass Percentage</b>
103	Civil Engineering	115	96	83.47
104	Computer Science and Engineering	41	32	78.04
105	Electrical and Electronics Engineering	48	41	85.41
106	Electronics and Communication Engineering	57	41	71.9
107	Electronics and Instrumentation Engineering	19	15	78.94
114	Mechanical engineering	118	111	94.08
203	Chemical Engineering	108	105	97.22
416	M.E. Environmental Engineering	13	13	100
405	M.E. Computer Science and Engineering	02	02	100
415	M.E. Power Electronics and Drives	04	04	100

401	M.E. Applied Electronics	07	02	28.5
410	M.E. Manufacturing Engineering	04	03	75.0
631	Master of Business Administration	38	19	50.0
621	Master of Computer Applications	64	62	96.8

**2.7 Student Satisfaction Survey**

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

- Students expressed satisfaction on infrastructure of the college.
- Students expressed their satisfaction on content delivery, faculty relationship and faculty expertise.
- Students were expecting interactive and practical approach in teaching learning process
- Students requested coaching classes for competitive examinations
- Students wanted more core engineering placements in addition to IT related placements

**The web link for Student Satisfaction Survey**

1. Civil Engineering :
2. Computer Science and Engineering :
3. Electrical and Electronics Engineering:
4. Electronics and Communication Engineering:
5. Electronics and Instrumentation Engineering:
6. Mechanical Engineering:
7. Chemical Engineering:

<b>CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION</b>				
<b>3.1 Resource Mobilization for Research</b>				
3.1.1 Research funds sanctioned and received from various agencies, industry and other organizations				
Nature of the Project	Duration	Name of the Funding Agency	Total grant Sanctioned	Amount received during the Academic year
Major projects	2 years	DST/NRDMS	Rs. 9,17,893.00	Rs. 5,83,110.00
	March 2015 -2018	BRNS	Rs. 24,59,000.00	Rs. 5,00,700.00
	March 2015-2018	BRNS	Rs. 22,26,000.00	Rs. 4,89,444.00
	January 2017-2019	DST	Rs. 24,00,000.00	Rs. 14,14,000.00
Minor Projects	3 months	TNSCST	Rs. 10,000.00	Rs. 10,000.00
Interdisciplinary Projects	--	--	--	--
Industry sponsored Projects	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students Research Projects <i>(other than compulsory by the College)</i>	1 year	Texas Instrument	Rs. 5,000.00	Rs. 5,000.00
	4 months	TNSCTC	Rs. 20,000.00	Rs. 20,000.00
	3 months	TNSCST	Rs. 10,000.00	Rs. 10,000.00
International Projects	--	--	--	--
Any other(Specify)	6 months	PMKVY, AICTE, New Delhi	Rs. 5,02,500.00	Rs. 1,60,750.00
	2 days	Indian Council for Medical Research	Rs. 40,000.00	Rs. 40,000.00
	1 day	NAAC, Bengaluru	Rs. 50,000.00	Rs. 50,000.00
	2 Days	TNSCST, Chennai	Rs. 40,000.00	Rs. 40,000.00
	3 Days	TNSCST, Chennai	Rs. 46,500.00	Rs. 46,500.00
<b>Total</b>				<b>Rs. 33, 69, 504.00</b>

<b>3.2 Innovation Ecosystem</b>		
<b>3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia</b>		
<b>Innovative practices during the year</b>		
<b>Title of Workshop/Seminar</b>	<b>Name of the Dept.</b>	<b>Date(s)</b>
A View on Analysis And Design of Industrial Building	Civil Engineering	15.07.2017
Alternatives to the Cement, Natural Sand and Aggregates in Modern Construction Practices	Civil Engineering	28.02.2018
Seminar on Data Analytics in Healthcare Systems	Computer Science and Engineering	14-07-2017 & 15-07-2017
Workshop on Big Data Analytics using R Language	Computer Science and Engineering	29-07-2017
Seminar on Basics of Cloud Computing and Artificial Intelligence in Amazon	Computer Science and Engineering	26-08-2017
Workshop on Big Data Analytics using R Language	Computer Science and Engineering	31.08.2017
Seminar on Scripting Language	Computer Science and Engineering	09.09.2017
Seminar on Software Industry Expectations	Computer Science and Engineering	22-01-2018
Seminar on Software Testing	Computer Science and Engineering	03-02-2018
TNSCST sponsored National level seminar on Avenues and opportunities of OLEDs”	Electrical and Electronics Engineering	26.09.2017 & 27.09.2017
NAAC sponsored One Day National Level Seminar on “Institutional Quality Enhancement and Sustenance in Higher Education in Rural Areas”	Electrical and Electronics Engineering	22.02.2018
One day National level workshop on “ARDUINO Microcontrollers for IoT applications”	Electrical and Electronics Engineering	06.03.2018
Two day National Workshop on the topic “Embedded systems and IoT applications”	Electronics and Instrumentation Engineering	22.09.2017& 23.09.2017
Seminar on the topic “Emerging Trends In Industrial Automation With DCS”	Electronics and Instrumentation Engineering	03.01.2018
Seminar on “Aerospace Materials and its Manufacturing Techniques”	Mechanical Engineering	01.07.2017
Seminar on “Recent trends in Building Bars Manufacturing”	Mechanical Engineering	29.07.2017

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Seminar on “Recent Trends in Robotics”	Mechanical Engineering	17.02.2018		
Seminar on “Geometrical Dimensioning and Tolerancing”	Mechanical Engineering	06.04.2018		
Seminar on “Opportunities for Chemical Engineers in Pharmaceutical Industries”	Chemical Engineering	03.07.2017		
National Workshop on “Advances in Nano catalysts and its Applications in Wastewater Treatment”	Chemical Engineering	04.08.2017 & 05.08.2017		
One Day workshop on “Process Control in Chemical Industrial Operations”	Chemical Engineering	01.09.2017		
Seminar on “Advanced Effluent Treatment Process”	Chemical Engineering	20.09.2017		
Seminar on Indian Space Programme and Opportunities”	Chemical Engineering	23.02.2018		
National Level Seminar on “Process for Disposal of Waste Propellants and Chemicals”	Chemical Engineering	06.03.2018		
Technical Training to Chemplast – Sanmar Employees	Chemical Engineering	29.05.2017 to 10.06.2017		
Technical Training to Chemplast – Sanmar Employees	Chemical Engineering	04.09.2017 to 16.09.2017		
Technical Training to Chemplast – Sanmar Employees	Chemical Engineering	13.11.2017 to 25.11.2017		
Technical Training to Chemplast – Sanmar Employees	Chemical Engineering	27.11.2017 to 09.12.2017		
Technical Training to Chemplast – Sanmar Employees	Chemical Engineering	18.06.2018 to 30.06.2018		
International conference on emerging G-Trends in Engineering, Science and Sustainable Technology.	Master of Business Administration	06.04.2018		
International Workshop on “Data Science R Language”	Master of Computer Applications	06-04-2018		
Seminar on “Popularization of Science among rural school students through Movable Science Exhibition”	Mathematics	09.10.2017 to 13.10.2017		
A Two-day National Level Seminar on “Numerical Techniques for Partial Differential Equations”	Mathematics	22 <sup>nd</sup> & 23 <sup>rd</sup> December 2017		
<b>3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year</b>				
<b>Title of the Innovation</b>	<b>Name of the Awardee</b>	<b>Awarding Agency</b>	<b>Date of Award</b>	<b>Category</b>
Forest cities	K.Vallarasu, Civil Engineering	Sengunthar Engineering college, Thiruchengodu	23.9.2017	First Place
CADD Contest	K.Vallarasu Civil Engineering	Sengunthar Engineering college, Thiruchengodu	23.9.2017	Second place



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Paper Presentation	R.Ramya T.Dhivya	Dhirajlal Gandhi College Of Technology, Salem	24.02.2018	I Place
Paper presentation	S.Shankar	Banari Amman Institute of Technology	24.01.2018	I Place
Animation	P.Gowtham	Banari Amman Institute of Technology	24.01.2018	I Place
Paper presentation	S.Shankar S.Narendran	SRM University	15.09.2017.	II Place
Debugging	M.Deepika R.Ramya	Velalar College Of Engineering ,Erode	16.09.2017	II Place
Project Contest	M.Shena R.Raguram	Jansons Institute Of Technology	22.09.17.	III Place
Paper presentation	S.Shankar S.Narendran	PSG Technology ,Coimbatore	15.09.2017.	III Place
Multimedia Presentation	M.Sankari R.Raghave A.Kavitha	Sengunthar Engineering College, Thiruchengodu	23.09.2017	II Place
Eagle Finger	M.Ragini	Angel Engineering College, Tiruppur.	26.09.2017	II Place
Paper Presentation	S. Sankar S. Narendran	Sasurie College of Engineering, Vijayamangalam	16.02.2018.	I Place
Debugging	S. Narendran	Sasurie College of Engineering, Vijayamangalam	16.02.2018.	I Place
Photography	C.Ravishankar	Dhirajlal Gandhi College of Technology	24.02.2018	I Place
Farmers friend Methene	C.Senthilvel D.Varatharajan (I Year)	Karpagam College of Engineering, Coimbatore	17.11.2017	Second place
Best Poster	J.Aarthi Ph.D. Part time Scholar	Indian Association for Crystal Growth	31.01.2018	First Place
“Wi-Fi Jammer-Project Implementation” in the 6 <sup>th</sup> National Level Project	P. Karmukilan, (II MCA) &	Aishwarya College of Engineering and Technology, Anthiyur.	22-09-2017	First Place

Exhibition & Technical Symposium "VIDYUT-2K17".	S. Divya Bharathi, (II MCA)			
Event "TECH BUG" in the National-Level Technical Symposium.	C. Sivaraj (III Year M.C.A.)	Kongu Engineering College, Perundurai.	06-10-2017	First Place
Event "TECH BUG" in the National-Level Technical Symposium.	K. Padmanaban (III Year M.C.A.)	Kongu Engineering College, Perundurai.	06-10-2017	Second place

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

Incubation Centre	Name	Sponsored by
Women empowerment Centre	Dr. K. T. Kalaiselvi	DST/NRDMS

Name of the Start-up	Nature of Start-up	Date of commencement
Women Empowerment Centre	Low-cost Readymade and Apparel making and sticking technical training	08.03.18

**3.3 Research Publications and Awards****3.3.1 Incentive to the teachers who receive recognition / awards**

State	National	International
Tamilnadu	3%	--

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

Name of the Department	No. of Ph. Ds Awarded
Civil Engineering	01
Computer Science and Engineering	02
Physics	01
Master in Business Administration	02
Master in Computer Applications	01

<b>3.3.3 Research Publications in the Journals notified on UGC website during the year</b>			
	<b>Department</b>	<b>No. of Publication</b>	<b>Average Impact Factor, if any</b>
<b>National</b>	CIVIL	02	1.04
	Mechanical	26	1.00
	MBA	03	3.4
<b>International</b>	CIVIL	03	4.4
	CSE	03	1.4
	EEE	09	--
	ECE	05	--
	Mechanical	10	1.00
	Chemical	01	0.5
	MCA	02	2.83
<b>3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year</b>			
<b>Department</b>		<b>No. of publication</b>	
Civil Engineering		07	
Computer Science and Engineering		03	
Electrical and Electronics Engineering		09 (Conference Proceedings)	
Electronics and Communication Engineering		--	
Electronics and Instrumentation Engineering		04 (Conference Proceedings)	
Mathematics		02	
Physics		01	
Chemistry		01	
Master in Business Administration		01 (Himalaya Publications, New Delhi )	
Master in Computer Applications		02 (Thakur Publishers Pvt. Ltd, Chennai)	
Master in Computer Applications		02 (International Conference Proceedings)	

<b>3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index</b>						
<b>Title of the paper</b>	<b>Name of the Author</b>	<b>Title of the Journal</b>	<b>Year of Publication</b>	<b>Citation Index</b>	<b>Institutional affiliation as mentioned in the publication</b>	<b>Number of citations excluding self-citations</b>
Performance Of Citrus Aurantium Peel Adsorbent In Textile Wastewater Treatment	Lakshmi Narayanan Dr.K.M.Gopala krishnan	International Research Journal of Engineering and Technology	2018	--	Erode Sengunthar Engineering College, Perundurai	--
A review on the usage of edible water bottles	M. Abirami	Journals of water resource research and development	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Studies on the treatment of surface water using rajma seeds	S.Babitha Merlin, M.Abirami , R.Sureshkumar	Journal of civil Engineering	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Experimental study on Behavior of Polypropylene and Crimped Steel Fiber in Concrete Beams	S. Ramachandran	International journal for scientific research and development	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Analysis and design of Pre-Engineered fixed gable frame	V. Goutham	International journal for scientific research and development	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Performance Investigation of self-compacting Green Concrete in-Built with poly-Ethylene Glycol as an Internal Curing Agent	K. Mohanapriya	International journal for scientific research and development	2018	--	Erode Sengunthar Engineering College, Perundurai	--
A secure simple authenticated key exchange algorithm based authentication for social network	P Venkateswari	Journal of Computer Science	2011	02	Erode Sengunthar Engineering College, Perundurai	02

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Survey on dynamic resource allocation strategy in cloud computing environment	G. Sivakumar	International Journal of Computer Applications Technology and Research	2013	05	Erode Sengunthar Engineering College, Perundurai	06
Survey on Caching and Replication Algorithm for Content Distribution in Peer To Peer Networks	G Siva Kumar	International Journal of Computer Science and Network Security	2015	01	Erode Sengunthar Engineering College, Perundurai	01
Cancer classification using hybrid fast particle swarm optimization with BPN	M. Vimaladevi	International Journal of Advanced Research in Computer and Communication	2014	--	Erode Sengunthar Engineering College, Perundurai	06
A Microarray gene expression data classification using hybrid back propagation Neural Network	M. Vimaladevi	Genetica	2014	--	Erode Sengunthar Engineering College, Perundurai	05
An effective Mechanism for Medical Images Authentication using quick response code	C. Kavitha	International Journal of Cluster Computing	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Simulation Comparison of Resonant Reset Forward Converter with Auxiliary Winding Reset Forward Converter	Dr.P.Selvan	International Journal of Advance Research in Science and Engineering	January 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Design of wide range input BLDC motor drive based on trapezoidal control	Prof. M. Shyamalagowri	International Journal of Advance Research in Science and Engineering	January 2018	--	Erode Sengunthar Engineering College, Perundurai	--

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Industrial power control by integral cycle switching without generating harmonics	Mr. L. Vijay Anand	International Journal of Advance Research in Science and Engineering	January 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Configurable Multi Output DC-DC converter for wide input voltage range for space application	Mr. E. Immanuel Bright	International Journal of Advance Research in Science and Engineering	January 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Simulative approach on inrush current protection circuit with detailed analysis and comparison	Mr. E. Immanuel Bright	International Journal of Modern Trends in Engineering and Research	April 2018	--	Erode Sengunthar Engineering College, Perundurai	--
GSM based low battery indication and power saver for vehicle	Mr. E. Immanuel Bright	International Journal of Modern Trends in Engineering and Research	April 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Comparison of control mode schemes in switch mode power supply	Mr. L. Vijay Anand	International Journal of Modern Trends in Engineering and Research	April 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Dual output forward converter with MAGAMP post regulators for space application	Mr. P. Selvan	International Journal of Modern Trends in Engineering and Research	April 2018	--	Erode Sengunthar Engineering College, Perundurai	--
NFC Based data monitoring and medication scheduling for patients in hospital	Mr. G. Gunasekaran	International Journal of Modern Trends in Engineering and Research	April 2018	--	Erode Sengunthar Engineering College, Perundurai	--
Image Schematation using Particle Swarm optimization based Intuitionistic fuzzy clustering	Mr. J. Madhan Mohan	International Journal of Mathematical Archive	201-	--	Erode Sengunthar Engineering College, Perundurai	--

Diagnoses Chronic obstructive pulmonary disease(COPD) using E-Nose technology	Mr. M. Karthik Kumar	International Journal of Engineering research and application	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Design of Micro strip path array antenna for Wimax Application	Mr. M. Ramya	International Journal of Advanced Engineering research & Tech	2018	--	Erode Sengunthar Engineering College, Perundurai	--
Observation of induced new smectic phase in supramolecular hydrogen bonded liquid crystals between mesogenic and non-mesogenic aliphatic compounds	S Sundaram, P Subhasri, TR Rajasekaran, R Jayaprakasam, TS Senthil, VN Vijayakumar	Ferroelectrics	2017	Web of science and Scopus	Erode Sengunthar Engineering College, Perundurai	01
Investigation on Thermal and Optical Properties of Hydrogen-Bonded Binary Liquid Crystals	S Sundaram, T Vasanthi, P Subhasri, T Chitravel, TS Senthil, R Jayaprakasam, VN Vijayakumar	Brazilian Journal of Physics	2016	Web of science and Scopus	Erode Sengunthar Engineering College, Perundurai	02
Preparation and Characterization of Al <sub>2</sub> O <sub>3</sub> Doped TiO <sub>2</sub> Nano composites Prepared from Simple Sol-Gel Method	N Sriharan, N Muthu kumarasamy, TS Senthil	Zeitschrift für Physikalische Chemie	2016	Web of science and Scopus	Erode Sengunthar Engineering College, Perundurai	01
Theoretical (DFT) and experimental studies on multiple hydrogen bonded liquid crystals comprising between aliphatic and aromatic acids	S Sundaram, R Jayaprakasam, M Dhandapani, TS Senthil, VN Vijayakumar	Journal of Molecular Liquids	2017	Web of science and Scopus	Erode Sengunthar Engineering College, Perundurai	01

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Next Generation Designed Protein as a Photosensitizer for Biophotovoltaics Prepared by Expanding the Genetic Code	K.Deepan kumar, A George, G Krishna Priya, M Ilamaran, NR Kamini, TS Senthil, S Easwara moorthi, N Ayyadurai	ACS Sustainable Chemistry & Engineering	2016	Web of science and Scopus	Erode Sengunthar Engineering College, Perundurai	03
“Experimental Investigation of HUASB Reactor for Treatment Characteristics of Leather Effluent with Varying of Different Operating Parameters”	M.P. Murugesan	International Journal of ChemTech Research	2017	0.5	Erode Sengunthar Engineering College, Perundurai	02
A Study on work life balance amongst managers of garment units in Tamilnadu state, India	K.T.Kalaiselvi	Journal of Human Sciences	2010	8	Erode Sengunthar Engineering College, Perundurai	08
A development of knowledge-based inferences system for detection of breast cancer on thermogram images	Dr. G. Lalli	International Conference on Computer Communication and Informatics	2014	11	2	--
A perspective pattern recognition using retinal nerve fibers with hybrid feature set	Dr. G. Lalli	Life Science Journal	2013	10	1	--
Features Recognition on Retinal Fundus Image–A Multi-Systemic Comparative Analysis	Dr. G. Lalli	International Journal of Advanced Research in Computer Science and Software Engineering	2013	8	1	--



Defend against Anomaly Intrusion Detection using SWT Mechanism	Dr. M. Thangavel	International Journal of Innovation, Management and Technology	2010	3	1	--
Efficient hybrid network (wired and wireless) intrusion detection using statistical data streams and detection of clustered alerts	Dr. M. Thangavel	Journal of Computer science	2011	3	1	--
Fuzzy fast classification algorithm with hybrid of ID3 and SVM	Dr. J. Vandarkuzhali	Journal of Intelligent & Fuzzy Systems	2013	2	2	--
A fuzzy fast classification for share market Database with lower and upper bounds	Dr. J. Vandarkuzhali	American Journal of Applied Sciences	2012	2	2	--
Feature selection algorithm using fuzzy rough sets for predicting cervical cancer risks	Dr. J. Vandarkuzhali	Modern Applied Science	2010	2	1	--

<b>3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)</b>						
<b>Title of the paper</b>	<b>Name of the Author</b>	<b>Title of the Journal</b>	<b>Year of Publication</b>	<b>h-index</b>	<b>Number of citations excluding self-citations</b>	<b>Institutional affiliation as mentioned in the Publication</b>
A secure simple authenticated key exchange algorithm based authentication for social network	P Venkateswari,	Journal of Computer Science	2011	2	2	Erode Sengunthar Engineering College
Survey on dynamic resource allocation strategy in cloud computing environment	G. Sivakumar	International Journal of Computer Applications Technology and Research	2013	2	05	Erode Sengunthar Engineering College
Survey on Caching and Replication Algorithm for Content Distribution in Peer To Peer Networks	G Siva Kumar	International Journal of Computer Science and Network Security	2015	-	01	Erode Sengunthar Engineering College
Cancer classification using hybrid fast particle swarm optimization with BPN	M. Vimaladevi	International Journal of Advanced Research in Computer and Communication	2014	-	06	Hindustan Institute of Technology
A Microarray gene expression data classification using hybrid back propagation Neural Network	M. Vimaladevi	Genetica	2014		05	Hindustan Institute of Technology
An effective Mechanism for Medical Images Authentication using quick response code	C. Kavitha	International Journal of Cluster Computing	2018	-	-	Erode Sengunthar Engineering College
“Experimental Investigation of HUASB Reactor for Treatment Characteristics of Leather Effluent with Varying of Different Operating Parameters”	M.P. Murugesan	International Journal of ChemTech Research	2017	0.5	10	Erode Sengunthar Engineering College
Automatic reverse locking system using differential unit.	S.Manikandan	International Journal of Innovative Research in Technology	2017	5.8	--	Erode Sengunthar Engineering College

<b>3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :</b>				
<b>No. of Faculty</b>	<b>International level</b>	<b>National level</b>	<b>State level</b>	<b>Local level</b>
<b>Attended Seminars/ Workshops</b>				
Civil	02	15	06	--
CSE	05	11	11	11
EEE	--	17	--	--
ECE	--	16	--	--
EIE	--	05	--	--
Mechanical	02	02	--	--
Chemical	02	26	--	03
English	--	03	--	--
Maths	--	20	--	--
Physics	01	07	02	--
Chemistry	--	21	--	--
MBA	02	08	02	01
MCA	07	09	11	06
<b>Presented papers</b>				
Civil	11	10	--	--
CSE	06	--	--	--
EEE	04	--	--	--
ECE	05	--	--	--
EIE	07	08	--	--
Mechanical	26	10	--	--
Chemical	04	--	--	--
English	--	--	--	--
Maths	02	--	--	--
Physics	01	07	02	--
Chemistry	14	05	--	--
MBA	01	03	--	--
MCA	08	--	--	--
<b>Resource Persons</b>				
Civil	--	--	--	--
CSE	--	--	--	--
EEE	--	01	--	--

ECE	--	--	--	--
EIE	--	02	--	02
Mechanical	--	--	--	--
Chemical	--	--	--	02
English	--	--	--	01
Maths	--	--	--	02
Physics	--	--	--	03
Chemistry	--	--	--	01
MBA	--	--	--	02
MCA	--	--	02	05

### 3.4 Extension Activities

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

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers co- ordinate such activities	Number of students participated in such activities
Blood Donation Camp	YRC	01	12(Civil) + 04(EIE)
Yoga	Yoga Club	01	05(Civil) + 01(EIE)
Blood Donation Camp	Rotaract Club	01	02(Civil) + 05(EIE)
One day National level workshop on "ARDUINO Microcontrollers for IoT applications"	AB Technologies Pvt., Ltd, Ambathur, Chennai	02	35
Disaster Awareness Training	Sri Sathyasai Seva Organization	01	05
Education Awareness & Training & Cultural Entertainment on Human Rights	World human rights & rescue Centre / SRM University	01	05
Blood Donation	IMA Blood Bank with Udamalpet Doctors' Association.	01	05
"Penniyam" Programme on Motivational Talk and Intellectual Events	Women's development Cell, ESEC	10	Entire Girls Students

“Sister Nivedhitha’s 150 <sup>th</sup> Birth Day Celebration” & Motivational Speech on “Penney Nee Magathanaval” Programme.	Women’s development Cell, ESEC	03	67	
International Women’s Day	Women’s development Cell, ESEC	10	Entire Girls Students	
The Motivational Programme and Speech on “Stress Management through Yoga”	Women’s development Cell, ESEC	10	Entire Girls Students	
Awareness program on basic hygienic	NSS	02	10	
<b>3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year</b>				
<b>Name of the Activity</b>	<b>Award/recognition</b>	<b>Awarding bodies</b>	<b>No. of Students benefited</b>	
Nil				
<b>3.4.3 Students participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year</b>				
<b>Name of the Scheme</b>	<b>Organizing unit/ agency/ collaborating agency</b>	<b>Name of the activity</b>	<b>Number of teachers coordinated such activities</b>	<b>Number of students participated in such activities</b>
NCC	ESEC	Social Awareness, Medical Camp Programme	01	17
Women Development Cell	Erode Sengunthar Engineering	Motivational Programme	01	84
Awareness program	Velalar College of Engineering & Technology	Ratha Yatra	--	09

Awareness Program	Erode Sengunthar Engineering College	Population Awareness Program	--	09
Blood Donation Camp	Erode Sengunthar Engineering College	Blood donation	--	31
Mega science expo-Anna university	India International Science Festival	Project Expo	01	05
Mega science expo-Anna university	India International Science Festival-	Volunteers	01	03
Swachh Bharat	Panchayat & Taluk	Clean India	01	10
Swachh Bharat	Panchayat & Taluk	Clean India movement	01	08
Gender Issue	Sri Ramakrishna Mission Sarada Vidyalaya, Chennai Velalar College for Women, Thindal. Women Development Cell (WDC), Erode Sengunthar Engg College	“Sister Nivedhitha’s 150 <sup>th</sup> Birth Day Celebration” & Motivational Speech on “Penney Nee Magathanaval” by , the Chief Guest Ms. Aandal Priyadarshini, Director, Doordarshan, Chennai on 24-01-2018)	03	67

### 3.5 Collaborations

#### 3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the Year

Nature of Activity	Participant	Source of financial support	Duration
Internship	19	ESEC	3Days
Industrial Visit	Students & Faculty	Self-Support	1-2 Days
Internship	Students	Self-Support	3 Days to 1 Month
Field Projects	Students & Faculty	Self-Support	3 Month
Internship	1 Student	Self-Support	15.11.2017 to 17.11.2017
Internship	14 Students	Self-Support	27.11.2017 to 01.12.2017
Internship	3 Students	Self-Support	01.12.2017 to 08.12.2017

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Internship	10 Students	Self-Support	01.12.2017 to 10.12.2017
Internship	1 Student	Self-Support	1.11.17 to 10.11.17
Internship	1 Student	Self-Support	21.5.2018 to 21.7.2018
Internship	14 Students	Self-Support	27.11.2017 to 01.12.2017
Internship	10 Students	Self-Support	01.12.2017 to 10.12.2017
Field Project	4 Students	Self-Support	14.12.2017 to 10.04.2018
Field Project	1 Student	Self-Support	14.12.2017 to 10.04.2018
Field Project	5 Students	Self-Support	14.12.2017 to 10.04.2018
Field Project	2 Students	Self-Support	14.12.2017 to 10.04.2018
Industrial visit	110 students	Self-Support	18.08.2017
Industrial visit	110 students	Self-Support	18.08.2017
Industrial visit	110 students	Self-Support	19.08.2017
Industrial visit	114 students	Self-Support	21.08.2017
Industrial visit	114 students	Self-Support	21.08.2017
Industrial visit	114 students	Self-Support	22.08.2017
Industrial visit	114 students	Self-Support	23.01.2017
Technical Training	13 Students	Chemplast - Sanmar, Chennai	29.05.2017 to 10.06.2017
Technical Training	13 Students	Chemplast - Sanmar, Chennai	04.09.2017 to 16.09.2017
Technical Training	13 Students	Chemplast - Sanmar, Chennai	13.11.2017 to 25.11.2017
Technical Training	13 Students	Chemplast - Sanmar, Chennai	27.11.2017 to 09.12.2017
Technical Training	14 Students	Chemplast - Sanmar, Chennai	18.06.2018 to 30.06.2018
Industry Visit	10 Faculties	Self-Support	1 day
Industry Visit	04 Faculties	Self-Support	4 days
Internship (MCA)	01 Student	ESEC	15 days
Internship (MCA)	01 Student	ESEC	4 Months
Internship (MCA)	02 Student	ESEC	3 Months

<b>3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year</b>				
<b>Nature of linkage</b>	<b>Title of the Linkage</b>	<b>Name of the partnering Institution / industry / research lab with contact details</b>	<b>Duration (From-To)</b>	<b>Participant</b>
Students Internship	Summer Internship	RPP construction	11-12-2017 to 13-12-2017	02 Students
Students Internship	Summer Internship	Phenom construction	27-11-2017 to 02-12-2017	09 Students
Students Internship	Summer Internship	Shri Ranganathar Crusher plant	13-12-2017 to 16-12-2017	06 Students
Students Internship	Summer Internship	R.S. Construction	17-11-2017 to 14-12-2017	02 Students
Industry – Institute Partnership	Student Project Work	viosin technologies	02-01-2018 to 02-04-2018	03 Students 01 Faculty
Industry – Institute Partnership	Student Project Work	NSB Earth Movers	02-01-2018 to 02-04-2018	05 Students 01 Faculty
Industry – Institute Partnership	Students Internship	Unique Technologies, Coimbatore	02.11.2017 to 15.12.2017	38 Students
Industry – Institute Partnership	Students Internship	Netty4u, Chennai	6.12.2017 to 06.01.2018	01 Students
Industry – Institute Partnership	Students Internship	Apple Tech., Coimbatore	07.12.2017 to 09.12.2017	03 Students
Industry – Institute Partnership	Students Internship	Abito Technologies, Coimbatore	03.12.2017 to 07.12.2017	04 Students
Industry – Institute Partnership	Students Internship	Kaashiv Infotech, Chennai	03.12.2017 to 07.12.2017	01 Students
Industry – Institute Partnership	Students Internship	Voisin Technologies, Chennai	10.12.2017 to 23.12.2017	03 Students
Industry – Institute Partnership	Students Internship	Isclor Soft Solution, Coimbatore	02.11.2017 to 04.11.2017	04 Students



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Institute-Institute Partnership	Students Internship	Kalasalangam University	01.06.2017 to 30.06.2017	01 Students
Industry – Institute Partnership	Industry Visit	ISRO, Trivandrum	23.12.2017	45 Students 01 Faculty
Industry – Institute Partnership	Industrial Visit	Infosys Limited	11.08.2017	96 Students 01 Faculty
Institute-Institute Partnership	Students Internship	Haritha Seating systems limited, Jayalakshmi Estates Vth Floor, 8, Haddows Road, Chennai 600006.	15.6.2017	01 Students
Institute-Institute Partnership	Students Internship	E.I.D parry company, Dare House”New No.2, Old 234, NSC Bose Road, Chennai – 00 001. Tamilnadu, India.	15.06.2017-20.06.2017	03 Students
Institute-Institute Partnership	Students Internship	Monotex industries, #42South Street No. 2, Avarampalayam Road ,Krishnarayapuram Road Ganapathy, Coimbatore – 641006	12.06.2017-17.06.2017	02 Students
Institute-Institute Partnership	Students Internship	Kajaria ceramic limited	14.06.2017	01 Students
Institute-Institute Partnership	Students Internship	Unique technologies, 74 Opp Alvernia School, Kongu Nagar, Ramanathapuram, Coimbatore, Tamil Nadu 641045	12.06.2017-05.07.2017	01 Students

Institute-Institute Partnership	Students Internship	Shree ambika sugars limited, El Dorado Complex, No. 112, Nungambakkam High Rd, Thousand Lights West, Nungambakkam, Chennai, Tamil Nadu 600034	14.12.2017-16.12.2017	01 Students
Institute-Institute Partnership	Students Internship	Sakthi sugars limited(Soya Division), 180, Race Course Rd, Race Course, Coimbatore, Tamil Nadu 641018	5.12.2017-7.12.2017	01 Students
Institute-Institute Partnership	Students Internship	Sakthi sugars limited, Regd Office: Sakthi Nagar,Bhavani - 638 315,Erode Dist, India.	12.12.2017-2012.2017	02 Students
Institute-Institute Partnership	Students Internship	NLC, Neyveli	11.6.2018-18.6.2018	08 Students
Institute-Institute Partnership	Students Internship	Unique technologies, Opp Alvernia School, Kongu Nagar, Ramanathapuram, Coimbatore, Tamil Nadu 641045	24.5.2018-30.5.2018	07 Students
Project Work	Azimuth and elevation drive mechanism in 3 meter dish antenna	NCRA-TIFR, Pune	18.12.17 to 30.03.18	01 Students
Project Work	Line balancing and elimination of waste in damper assembly	Tenneco Automotive India Pvt. Ltd., Hosur	18.12.17 to 30.03.18	04 Students

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Project Work	Elimination of support bracket in Tototo 640A Front Shock Absorber	Tenneco Automotive India Pvt. Ltd., Hosur	18.12.17 to 30.03.18	04 Students
Project Work	Effort Reduction in ZF Gearbox Rectification Area	Ashok Leyland Ltd, Ennore	18.12.17 to 30.03.18	02 Students
Project Work	Establishment of Impact Properties in T23 tube bends	Bharat Heavy Electricals Ltd	18.12.17 to 30.03.18	04 Students
Project Work	Reducing Non value added time in the production of caliper housing machining	Mando Automotive India Pvt. Ltd., Chennai	18.12.17 to 30.03.18	02 Students
Project Work	Clubbing of heat treatment cycle for P91 material	Bharat Heavy Electricals Ltd	18.12.17 to 30.03.18	04 Students
Project Work	Improvement of turbine efficiency in 210MW thermal power station	Mettur thermal power station – I	18.12.17 to 30.03.18	04 Students
Project Work	Design and Fabrication of Shop made Fixture for $\phi$ 219.40 Elbow Joint	Bharat Heavy Electricals Ltd, High Pressure Boiler Plant Trichy	18.12.17 to 30.03.18	03 Students
Project Work	Heat Recovery from The Boiler Startup Vent Steam	TNPL, Kagithapura m, Karur	18.12.17 to 30.03.18	01 Students
Project Work	Design of Automatic Equipment for Cleaning Coolant Filter and Perform Maintenance Analysis	Ashok Leyland Limited, Chennai	18.12.17 to 30.03.18	04 Students
Project Work	Using various coalescent filters for removal of moisture	Toshniwal, Chennai	18.12.17 to 30.03.18	04 Students

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	in vacuum pump			
Inplant training	Boiler Maintenance , Turbine Maintenance	Mettur Thermal Power Station	20.11.2018 to 24.11.2017	01 Students
Inplant training	Paper Technology	TNPL, Karur	11.12.2017 to 16.12.2017	01 Students
Inplant training	Students Internship	Erode Motors, Erode	29.11.2017 to 04.12.2017	02 Students
Inplant training	Students Internship	Tuticorin Thermal Power Station	09.12.2017 to 13.12.2017	03 Students
Inplant training	Students Internship	Senthil Heros, Erode	04.12.2017 to 12.12.2017	03 Students
Inplant training	Students Internship	ABT Industries	07.12.2017 to 13.12.2017	02 Students
Inplant training	Students Internship	Ambal Autos, Erode	09.12.2017 to 13.12.2017	02 Students
Inplant training	Students Internship	Sri Hari Vishnu Motors, Erode	06.12.2017 to 11.12.2017	01 Students
Project Work	Industrial Project	TNPL, Karur	02.01.2017 – 31.03.2017	01 Students
Research Lab	Research	Govt. College of Technology, Coimbatore	01.03.2017 – 10.03.2017	02 Students
Inplant training	Students Internship	NLC, Neyveli	01.05.2017 to 10.05.2017	01 Students
Inplant training	Students Internship	Fact RCF Institute, Cochin	04.06.2018- 09.06.2018	03 Students
Inplant training	Students Internship	Mitsubishi Industries, Vellore	01.06.2018 – 05.06.2018	01 Students
Inplant training	Students Internship	Travancore-Cochin Chemical Ltd, Udyogamandal	01.06.2018- 30.06.2018	01 Students
Inplant training	Students Internship	TATA Access, Erode	31.05.2018 - 02.06.2018	04 Students
Inplant training	Students Internship	Heritage Foods, Dindigul	08.06.2018 – 14.06.2018	01 Students
Inplant training	Students Internship	Valuthur Gas Turbine Station,	11.06.2018 – 14.06.2018	03 Students

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		Ramanathapuram		
Inplant training	Students Internship	Amalgamations Valeo Clutch, Kanchipuram	25.06.2018- 28.06.2018	02 Students
Inplant training	Students Internship	TVS Motor Company Ltd, Hosur	18.06.2018- 23.06.2018	06 Students
Inplant training	Students Internship	Jeeva Transport Corporation, Erode	19.06.2018 – 23.06.2018	03 Students
Inplant training	Students Internship	Doosan Bobcat India Pvt. Ltd, Bangalore	25.06.2018 - 08.07.2018	01 Students
Industrial visit	Industrial Visit	Seablue Ship Yard & Traco cables, Ernakulam	02.02.2018 & 03.02.2018	54 Students
Industrial visit	Industrial Visit	LMW, Coimbatore	30.12.2017	54 Students
Industrial visit	Industrial Visit	Mysore Sandal Oil Factory, Mysore & Government Silk Weaving Factory, Mysore & Visvesvaraya Industrial and Tech Museum & HAL Museum	02.02.2018 & 03.02.2018	151 Students
Industrial visit	Industrial Visit	Seablue Ship Yard & Hindustan Machine Tools & Traco Cables Ltd, Cochin	11.08.2017 & 12.08.2017	151 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	29.05.2017 to 10.06.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	04.09.2017 to 16.09.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	13.11.2017 to 25.11.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	27.11.2017 to 09.12.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	18.06.2018 to 30.06.2018	14 Students

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Industrial visit	Industrial Visit	Mico Bosch (Robert Bosch Seator Motor IND. pvt. Ltd), Electronic City, Bangalore.	18.08.2017	110 Students
Industrial visit	Industrial Visit	Karnataka Soaps & Detergents, Mysore.	18.08.2017	110 Students
Industrial visit	Industrial Visit	Purex Laboratory, Bangalore.	19.08.2017	110 Students
Industrial visit	Industrial Visit	Purex Laboratory, Bangalore.	21.08.2017	114 Students
Industrial visit	Industrial Visit	Karnataka Soaps & Detergents, Mysore.	21.08.2017	114 Students
Industrial visit	Industrial Visit	Aroma Organic, Bangalore.	22.08.2017	114 Students
Industrial visit	Industrial Visit	Indian Institute of Food Processing Technology, Thanjavur	23.01.2017	114 Students
Project/ Research	Research & Development	Faculty Development Programme on “Instructional Design And Delivery Systems / ESEC	24.07.2017 to 29.07.2017	12 Faculty
Project/ Research	Research & Development	Project Exhibition	30.08.2017	10 Students
Project/ Research	Research & Development	National Level students’ Technical Symposium / ESEC	31.08.2017	24 Students
Project/ Research	Research & Development	Workshop on Process Control/ ESEC	01.09.2017	108 Students
Project/ Research	Research & Development	National Conference On Emerging Trends in Chemical And Petrochemical	25.09.2017	01 Students

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		Technology		
Project/ Research	Research & Development	Participated as coordinator in India International Science Festival at IIT madras	13.10.2017 to 16.10.2017	01 Students
Project/ Research	Research & Development	Recent Trends in Bio-membranes, Kongu Engineering College. Perundurai	17.11.2017	01 Students
Project/ Research	Research & Development	Refinery Mass Transfer Operations for the Chemical & Petrochemical Department Students, EICT Polytechnic College, Vijayamangalam	23.09.2017 & 24.09.2017	01 Students
Internship	Students Internship	Attended In-plant Training at SPIC, Tuticorin	15.11.2017 To 17.11.2017	01 Students
Project/ Research	Research & Development	Faculty Development Programme on “Instructional Design And Delivery Systems ”	24.07.2017 to 29.07.2017	12 Students
Internship	Students Internship	Fertilisers and Chemicals Trivancore, Kerala	01.12.2017 to 10.12.2017	10 Students
Internship	Students Internship	Pasteur Institute of India, Coonor	27.11.2017 to 01.12.2017	14 Students
Internship	Students Internship	Dhrangadhra Chemical Works Limited, Tuticorin	01.12.2017 to 08.12.2017	03 Students

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Internship	Students Internship	Aavin Dairy, Erode	1.11.17 to 10.11.17	01 Students
Internship	Students Internship	Sri Balaji Plastics, Coimbatore	21.5.2018 to 21.7.2018	01 Students
Internship	Students Internship	Tamilnadu Cement Corporation Limited, Ariyalur	27.11.2017 to 01.12.2017	14 Students
Internship	Students Internship	Chennai Petroleum Corporation Limited, Chennai	01.12.2017 to 10.12.2017	10 Students
Field Project	Industrial Project	Manufacture of ammonia by Haber Process	(14.12.2017 to 10.04.2018)	01 Students
Field Project	Industrial Project	Design of process equipment's of sulfur recovery plant	(14.12.2017 to 10.04.2018)	05 Students
Field Project	Industrial Project	Synthesis of silver chloride nano particles using effluent extract and it analysis	(14.12.2017 to 10.04.2018)	02 Students
Utilizing Characterization facility	Characterizations	Department of Physics, Coimbatore Institute of Technology, Coimbatore-14	December 2017 to Feb 2018	Ph.D. Scholars
Industrial Oriented Training	Training in SPSS Statistical Software	Mr.M.Karthikeyan, Director, Department of MoS, AVS College Of Engineering & Technology, Salem.	One day Hands on Training	15 Students
Industry Oriented Training	Training in .NET Technology	Triton Information Technology Solutions, Chennai	(24-10-2014 - 23-10-2017)	07 Students
Inplant training	Web Application	Uniq Technologies,	4.12.17 to	07 Students



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		Coimbatore	5.12.17	
Inplant training	Radio Communication	All India Radio, Kodaikanal	12.6.17 to 16.6.17	01 Students
Inplant training	Embedded System	Durga Tech, Erode	26.11.17 to 30.11.17	08 Students
Inplant training	Communication	BSNL, Kumbakonam	5.6.17 to 9.6.17	09 Students
Inplant training	Wireless Communication	Alfa Engineers	05.06.17 to 07.06.17	02 Students
Inplant training	Embedded System	EID Parry(India) Limited	15.6.17 to 20.6.17	03 Students
Inplant training	Paper Technology	TNPL, Karur	11.12.2017 to 16.12.2017	01 Students
Inplant training	Students Internship	Erode Motors, Erode	29.11.2017 to 04.12.2017	02 Students
Inplant training	Students Internship	Tuticorin Thermal Power Station	09.12.2017 to 13.12.2017	03 Students
Inplant training	Students Internship	Senthil Heros, Erode	04.12.2017 to 12.12.2017	03 Students
Inplant training	Students Internship	ABT Industries	07.12.2017 to 13.12.2017	02 Students
Inplant training	Students Internship	Ambal Autos, Erode	09.12.2017 to 13.12.2017	02 Students
Inplant training	Students Internship	Sri Hari Vishnu Motors, Erode	06.12.2017 to 11.12.2017	01 Students
Project Work	Research and Development	TNPL, Karur	Jan – March	01 Students
Research Lab	Research and Development	Govt. College of Technology, Coimbatore	March first week	02 Students
Inplant training	Students Internship	NLC, Neyveli	01.052017 to 10.0502017	01 Students
Inplant training	Students Internship	Pentagon Automation & Assembly, Pune	June	01 Students
Inplant training	Students Internship	Fact RCF Institute, Cochin	04.06.2018-09.06.2018	03 Students

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Inplant training	Students Internship	Mitsubishi Industries, Vellore	May 2018	01 Students
Inplant training	Students Internship	Mitsubishi Industries, Vellore	May 2018	01 Students
Inplant training	Students Internship	Travancore-Cochin Chemical Ltd, Udyogamandal	01.06.2018-30.06.2018	01 Students
Inplant training	Students Internship	TATA Access, Erode	June 2018	04 Students
Inplant training	Students Internship	Heritage Foods, Dindigul	June 2018	01 Students
Inplant training	Students Internship	Valuthur Gas Turbine Station, Ramanathapuram	July 2018	03 Students
Inplant training	Students Internship	Amalgamations Valeo Clutch, Kanchipuram	25.06.2018-28.06.2018	02 Students
Inplant training	Students Internship	TVS Motor Company Ltd, Hosur	18.06.2018-23.06.2018	06 Students
Inplant training	Students Internship	Jeeva Transport Corporation, Erode	June-July	03 Students
Inplant training	Students Internship	Doosan Bobcat India Pvt. Ltd, Bangalore	25.06.2018-08.07.2018	01 Students
Industrial visit	Industrial visit	Seablue Ship Yard & Traco cables, Ernakulam	02.02.2018 & 03.02.2018	54 Students
Industrial visit	Industrial visit	LMW, Coimbatore	30.12.2017	54 Students
Industrial visit	Industrial visit	Mysore Sandal Oil Factory, Mysore & Government Silk Weaving Factory, Mysore & Visvesvaraya Industrial and Tech Museum & HAL Museum	02.02.2018 & 03.02.2018	151 Students

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Industrial visit	Industrial visit	Seablue Ship Yard & Hindustan Machine Tools & Traco Cables Ltd, Cochin	11.08.2017 & 12.08.2017	151 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	29.05.2017 to 10.06.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	04.09.2017 to 16.09.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	13.11.2017 to 25.11.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	27.11.2017 to 09.12.2017	13 Students
On the job training	Technical Training	Chemplast - Sanmar, Chennai	18.06.2018 to 30.06.2018	14 Students
Utilizing Characterization facility	Characterizations	Department of Physics, Coimbatore Institute of Technology, Coimbatore-14	December 2017 to Feb 2018	3 Ph.D. Scholars
Industrial Oriented Training	Training in SPSS Statistical Software	Mr.m.Karthikeyan, Director, Department of Management of Studies, AVS College Of Engineering & Technology, Salem.	One day Hands on Training	10 Students
Industry Oriented Training	Training in .NET Technology	Triton Information Technology Solutions, Chennai	(24-10-2014 - 23-10-2017)	10 Students

<b>3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year</b>			
<b>Organization</b>	<b>Date of MoU Signed</b>	<b>Purpose and Activities</b>	<b>Number of students /teachers participated under MoUs</b>
Prayojana Construction management Training Institute	15.12.2017	Training and Placement	-
Albert Engineering Associates	01.12.2017	Training and Placement	-
ICT Academy of TamilNadu	01.08.2017	Faculty training to faculty	Faculty : 5:
Infosys Limited	20.02.2017 (Valid till 19-02-2019)	Foundation Program Industrial Visits	Faculty : 13 Students : 91
CCUBE Technologies Pvt ltd, Erode	06.02.2018	Technical Training	Faculty: 3 Students: 13
RELIANCE JIO INFOCOMM LTD	10.10.2017	Industrial Training In plant Visits Projects Consultancy Works	Faculty: 2 Students: 30
GSM Online Internet Services, Pvt.Ltd	09.10.2017	Innovative Robotics Projects	30 Students
Sree Rengaraj Ispat Industries (p) Ltd., Perundurai.	21.02.2017	Internship Industrial Projects Job opportunities for students	10 Students
MSR Consultants, Coimbatore.	21.02.2015	Value Added Course	30 Students
Perundurai Common Effluent Treatment Plant.,	30.12.2017	Training cum learning on water technology. Industrial Visit. Guest Lecture	324 Students
Angel Starch & Food Product Ltd	11.01.2018	Internship, Placement Consultancy, Project Work Industrial Visit	02 Students
Triton Information Technology Solutions, Chennai	24-10-2014	Industry Oriented Training in .NET Technology	85 Students

<b>CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES</b>						
<b>4.1 Physical Facilities</b>						
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year						
Budget allocated for infrastructure augmentation			Budget utilized for infrastructure development			
Nil			Nil			
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities	Existing			Newly added		
Campus area	55.54 acres			--		
Class rooms	51			03		
Laboratories	70			--		
Seminar Halls	12			-		
Classrooms with LCD facilities	30			--		
Classrooms with Wi-Fi/ LAN	15			--		
Seminar halls with ICT facilities	05			--		
Video Centre	01			--		
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	--			--		
Value of the equipment purchased during the year (Rs. in Lakhs)	--			--		
Others	--			--		
<b>4.2 Library as a Learning Resource</b>						
4.2.1 Library is automated {Integrated Library Management System -ILMS }						
Name of the ILMS software	Nature of automation (fully or partially)		Version		Year of automation	
PALPAP Insproplus	Fully automation		-		-	
4.2.1 Library Services:						
	<b>Existing</b>		<b>Newly added</b>		<b>Total</b>	
	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>
<b>Text Books</b>	45361	77,05,328.00	2539	3,12,179.00	47900	80,17,507.00
<b>Reference Books</b>	9391	40,76,987.00	480	1,08,802.00	9871	41,85,789.00
<b>e-Books</b>	1000	-	500	-	1500	-

<b>Journals</b>	231	4,05,180.00	227	3,57,993.00	227	3,57,993.00
<b>News papers</b>	10	17,263.00	-	-	10	20,329.00
<b>e-Journals</b>	DELNET membership Journals	11,500.00	DELNET membership Journals	13,570.00	DELNET membership Journals	13,570.00
<b>Digital Database</b>	2703	-	76	-	2779	-
<b>CD &amp; Video</b>						
<b>Library automation</b>	PALPAP Insproplus	-	-	-	PALPAP Insproplus	-
<b>Weeding (Hard &amp; Soft)</b>	Nil	-	Nil	-	Nil	-
<b>Others (specify) Back Volumes</b>	5618	-	414	-	6032	-
<b>Students Project</b>	3322	-	131	-	3453	-

**4.3 IT Infrastructure**

## 4.3.1 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centre's	Computer Centre's	Office	Departments	Available band width (MGBPS)	Others
Existing	981	13	64 mbps	2	13	12	64	--	981
Added	--	--	--	--	--	--	--	--	--
Total	981	13	64 mbps	2	13	12	64	--	981

**4.3.2 Bandwidth available of internet connection in the Institution (Leased line)****100 MBPS /GBPS**

## 4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NPTEL	<a href="http://www.nptel.ac.in">www.nptel.ac.in</a>
IIT Bombay Remote Center	<a href="http://172.16.0.4/videos">http://172.16.0.4/videos</a>
IIT Bombay FDP <a href="http://www.wordpress.com">www.wordpress.com</a>	<a href="https://wordpress.com/post/filter153249197.wordpress.com/10">https://wordpress.com/post/filter153249197.wordpress.com/10</a>

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc			
Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Dr. P. Venkateswari	Cryptography and Network Security	Word Press	15.06.2017
	Cyber Forensics	Word Press	02.01.2018
G. Sivakumar	Programming in C	Word Press	15.06.2017
	Computer Programming	Word Press	02.01.2018
C. Kavitha	Data Structures	Word Press	15.06.2017
	Design and Analysis of Algorithms	Word Press	02.01.2018
T. Kalaiselvi	Computer Architecture	Word Press	15.06.2017
	Compiler Design	Word Press	02.01.2018
C. Balasubramanian	C# and .Net Programming	Word Press	15.06.2017
	Computer Networks	Word Press	02.01.2018
K.A. Damotharan	Computer Graphics	Word Press	15.06.2017
	Software Engineering	Word Press	02.01.2018
N.S. Kavitha	Database Management System	Word Press	15.06.2017
	Internet Programming	Word Press	02.01.2018
R. Karunamoorthi	Theory of Computation	Word Press	15.06.2017
	Multi core architecture and Programming	Word Press	02.01.2018
D. Vijaybabu	Distributed System	Word Press	15.06.2017
	Theory of Computation	Word Press	02.01.2018
R. Thangamani	Operating System	Word Press	15.06.2017
	Python Programming	Word Press	02.01.2018
J.Madhan Mohan	Foundation Program in ICT for Education	Word Press	12.04.2018
V.Thamilzharasan			
Dr.T.S.Senthil	OER for solar cell	Word press	03.03.2018
E.Kamatchi Muthulakshmi	Economics for analysis	Word press	IIT Bombay X –FDP Program

<b>4.4 Maintenance of Campus Infrastructure</b>			
<b>4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year</b>			
<b>Assigned budget on academic facilities</b>	<b>Expenditure incurred on maintenance of academic facilities</b>	<b>Assigned budget on physical facilities</b>	<b>Expenditure incurred on maintenance of physical facilities</b>
Rs. 13,14,000.00	-----	Rs. 1,09,700.00	Rs. 27,665.00
RS. 80,000.00	Rs. 59,206.00	Rs. 12,22,000.00	-
Rs. 3,56,871.00 (Industrial safety lab)	Rs. 1,39,000.00 (Dynamics & Thermal labs)	----	----
Rs. 6,11,843.00	Rs. 1,12,600.00	Rs. 1,25,606.00	Rs. 1,53,115.00
Rs. 66,906.00	Rs. 60,000.00	----	----
Rs.1,57,000.00	Rs.8,800 .00	----	----
<b>4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (information to be available in institutional Website, provide link)</b>			
<b>Physical facilities</b>			
<p>The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students those who are admitted in the college. The students seek admission to desired courses including a laboratory curriculum they are charged for the laboratory expenses at the time of the admission as suggested by the statutory body in addition to that a non-salary grants are allocated for the maintenance of the laboratories and the classrooms which a part of the teaching and the learning processes. The classrooms boards and furniture facilities are utilized regularly by the students but sometime it is also made available for the other governmental and the non-governmental organizations for conducting the exams like scholarships etc. if not in use for the said period. The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching staff and in major cases the college goes for the maintenance contract to local experts. The college has adequate number of the computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, departments etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The central computer laboratory connected in LAN is open for the students as time permits them, the office computers which are also connected through the LAN is consisting of the office software making work easier and systematic are restricted their use only to the appointed office staff. The library is also provided LAN facility for the computers and they are loaded with the library software. The departments and the staff can make use of the computer system with internet at their seating places in addition that majority of the staff has their own laptops and the internet providing instruments, all those computer related facilities are given a contract of their maintenance annually. The ICT Smart Class Rooms and the related systems are maintained with AMC of the</p>			



corresponding service provider.

### **Academic and Support Facilities**

The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open not only to the college students but also to all the stakeholder in the surrounding with prior permission of the authority. A provision of the budget for the library maintenance is made by the college management. The activities like fumigation and keeping library clean is done frequently by library staff. The sport department of the college is meritorious and some credit defiantly goes to the adequate infrastructure of this department consisting of the Indoor Hall and the 400 meter running track which can be used by student staff. The running track and the outdoor facilities are free to use for all the stakeholders. A competitive examination is established by the college, which supports the students preparing them for competitive exam and motivate them for debate competition etc. The maintenance of this department done with the nominal membership fees

### **Maintenance of academic infrastructure and facilities:**

#### **Buildings**

- The Institution has more than 20 buildings with built up area of 28,560.33sq.m. for academic purposes including 9,349.33 sq.m. for hostel and other amenities.
- The Campus Manager is monitoring the maintenance of academic infrastructure and other facilities.
- Three Civil Supervisors are employed under the supervisor of campus manager to carry out construction of additional / new facilities and Maintenance of the campus.
- In addition members of faculty from Department of Civil Engineering are also involved in the maintenance of academic infrastructure and facilities, i.e. Canteen, Boys and Girls Hostels, Seminar Halls, Laboratory, Classrooms, Central library.

#### **Water**

- A Reverse Osmosis plant with the capacity of 1,000 liters / hour is functioning in the campus to cater the needs of potable water for the College and Hostel. It is maintained periodically.
- Routine cleaning of water tanks, coolers and filters is carried out as per the planned schedule.

#### **Lab Facilities**

- Periodical maintenance is carried out by the technical staff of the respective labs.
- Majority of the equipment's / computers are under AMC.
- The AMC contractors periodically maintain the equipment/systems.
- Calibrations of equipment are made by Internal / External resource persons.

#### **Library Maintenance:**

- The Department Library is being operated by a teaching faculty member in each department with the guidance of Librarian of the central library.
- Naphthalene balls and pesticides provision are made in the Department/Central Library to preserve the books.

**Furniture:**

- Carpenter, under the supervision of a Campus Manager, is maintaining the furniture of Class Rooms, Seminar Halls, Library, Hostels etc.

**Electricity**

- A separate “Power house” is functioning with a total connected load of 282.18kW. It is maintained by an exclusive Electrical Engineer and assisted by Electrical Supervisors.
- EEE Department is also providing technical support to maintain the power house and other electricity related issues.

**Sanitation**

- The sanitation and cleaning of the campus is monitored by two supervisors with the help of contract laborers.

<b>CRITERION V - STUDENT SUPPORT AND PROGRESSION</b>			
<b>5.1 Student Support</b>			
<b>5.1.1 Scholarships and Financial Support</b>			
	<b>Name / Title of the scheme</b>	<b>Number of students</b>	<b>Amount in Rupees</b>
<b>Financial support from institution</b>	Mark basis scholarship	283	Rs. 1,01,03,500.00
	Socio – economical scholarship	413	Rs. 46,77,550.00
<b>Financial support from other sources</b>			
<b>a). National</b>	SC / ST Scholarship applied for 2017 – 18	513	Rs. 3,35,76,500.00
	SC / ST Scholarship received for 2017 – 18	167	Rs. 99,40,000.00
<b>b). International</b>	--	--	--
<b>5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counseling and Mentoring etc.,</b>			
<b>Name of the capability enhancement scheme</b>	<b>Date of implementation</b>	<b>Number of students enrolled</b>	<b>Agencies involved</b>
Soft skill development	21.06.2017	246	Civil dept.
Remedial coaching	18.07.2017	120	Civil dept.
Language lab	01.07.2017	90	Civil dept.
Bridge courses	01.06.2017	95	CADD Centre & ESEC, Salem Land survey Institute
Yoga & Meditation	21.06.2017	05	Yoga Club, ESEC
Personal Counseling and Mentoring	01.07.2017	246	Civil dept.
Yoga, Language Lab,	21.06.2017	176	CSE Dept.
Language Lab	21.06.2017	55	CSE Dept.
Counseling, Mentoring	21.06.2017	165	CSE Dept.
Aptitude Training	21.06.2017	165	CSE Dept., Training and Placement Cell
Communication Skill Development	21.06.2017	165	CSE Dept., Training and Placement Cell
Technical Training	21.06.2017	165	CSE Dept., Training and

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			Placement Cell
Yoga	21.06.2017	100	ECE dept.
Personal Counseling	21.06.2017	100	ECE dept.
Mentoring	21.06.2017	100	ECE dept.
Yoga	21.06.2017	01	Yoga Club, ESEC
Personal Counseling	21.06.2017	47	EIE dept.
Mentoring	21.06.2017	47	EIE dept.
Mentoring	21.06.2017	362	Mechanical Dept.
Aptitude training	21.06.2017	362	Training and Placement Cell
Communications training	21.06.2017	362	Training and Placement Cell
Technical training	21.06.2017	362	Training and Placement Cell
Yoga	21.06.2017	325	Chemical dept.
Mentoring	21.06.2017	325	Chemical dept.
Aptitude training	21.06.2017	325	Chemical dept., Training and Placement Cell
Technical training	21.06.2017	325	Chemical dept., Training and Placement Cell
Bridge courses for I year students	01.08.2017	620	English dept.
Soft skills development	February 2018 to March 2018	600	Audio visual lab (IIT Remote center)
Remedial coaching	15.02.2018	300	English dept.
Bridge courses	08.07.2017	643	Maths dept.
Remedial coaching	08.07.2017	950	Maths dept.
Mentoring	08.07.2017	643	Maths dept.
Personal Counseling and Mentoring	27.12.2017	100	MBA dept.
Personal Counseling and Mentoring	14.12.2017	124	MCA dept.
Bridge Courses	14.12.2017	124	MCA dept.

**5.1.3 Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year**

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counseling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-2018	Competitive Exam Coaching	26	115	-	90
2017-2018	Training	-	37	-	37
2017-2018	Higher Studies in India and Abroad	-	40	-	-
2017-2018	English for the work place	-	40	-	-
2017-2018	Awareness Program on Government Competitive Examinations	-	10	-	-
2017-2018	Students mentoring	01	01	01	45
2017-2018	Gate Coaching	04	04	-	-
2017-2018	Career Guidance Programme	78	78	01	50

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

There is grievance redressal cell, Anti-ragging Committee; These committees make every attempt to resolve students' problems. Each department has a mentor system through which the communication with the students is possible at the personal level. Every year the final year students' feedback is taken on the facilities and infrastructure. Through this feedback, the complaints of the students are understood and efforts are made to rectify them.

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
06 (Civil)	04	20 days

01 (ECE)	01	7 days			
02 (EIE)	02	10 days			
12 (Chemical)	09	14 days			
<b>5.2 Student Progression</b>					
<b>5.2.1 Details of campus placement during the year</b>					
<b>On campus</b>			<b>Off Campus</b>		
<b>Name of Organizations visited</b>	<b>Number of students participated</b>	<b>Number of students placed</b>	<b>Name of Organizations visited</b>	<b>Number of students participated</b>	<b>Number of students placed</b>
Surya Informatics Pvt Ltd	100	09	Zifo R & D Solutions	57	00
Indian Navy	70	00	Dhyan InfoTech	45	01
Velan Info Services	111	04	IVTL Info view	22	00
Soft Square	90	02	Sysbiz Technologies	69	00
AB Academy	01	01	AMI	82	02
Just Dial	200	20	VVDN	15	00
Uniq Technologies Pvt Ltd	165	03	Vivid Technologies	71	04
Directi	30	00	Vernalis	49	00
TPK Construction	02	02	GODB Technologies	49	01
Albert Engineering	04	04	Datazoic	39	02
Mphasis(Solvers India)	120	07	Cease Fire	10	00
Senthur Hydraulics	15	13	Decathlon	11	00
Architect Design Service	02	02	Evobi Automation	22	01
Aspire Systems	57	01	Tessolve	35	00
Motif India	137	01	Co Cubes	12	00
KPN Builders	01	01	Raasi Construction	15	04
JK Construction	02	02	Data Patterns	39	00
Rengaraj Steels ISPAT	06	06	Kumaran Systems	23	00
Natesan Housing	02	02	Infinity Software Solutions	16	01
DHFL Limited	156	35	NU Technologies	03	00
RMS Construction	01	01	Rising Stars Mobile India	00	00

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Alpha Associates	28	21	Smart Training Resources	13	00
SRI Jeyanthi Construction	01	01	Poornam Info VSION	15	00
Crypton Tech	15	00	Skylink Technologies	15	04
Sanmar Ltd	42	00	Emerson Fisher	03	00
Sharda Motors	40	07	KgFSL	15	01
Amazon India	140	09	Kumaran Systems	15	00
Sai Ram Construction	01	01	Caliber InterConnect (NGB)	13	00
Vaigai Construction	01	01	TCS(TNSLPP)	26	01
GMS Construction,	01	01	ZOHO Corp (DJ Academy)	06	00
Sun Engineering	02	02	Think & Learn	15	00
DR Associates	02	02	24/7	08	00
Sathish Architect Engineering And Construction Works	01	01	OYO Rooms	20	00
K.M.C.Construction	01	01	FACE	01	00
ABARI Construction	01	01	SS4U	07	00
Indo Shell Casring	05	05	Atlas HealthCare Software India Pvt Ltd	03	00
Vamika Constructions	01	01	ZOHO Corp(KCT)	03	00
TNQ Books n Journals	80	04	Photon Interactive	00	00
Unique Shell Moulding	05	05	Formac-AGS	18	00
G.M.S.Construction	01	01	Focus Edumatics	04	00
Sathish Architects	01	01	OFS	06	00
Sk Constructions	05	05	Vortex	02	00
Digital Nirvana	05	04	ZOHO	05	00
VWR Labs	50	07			
W.T.T Technologies Services	02	02			
Sri Shankar builders	01	01			
Sakthi Auto Component	06	06			

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R.S.D.C.P.L, Trichy.	02	02			
Sai Ram Construction	01	01			
Institute of Language Management Pvt Ltd	90	23			
Gemini Systems	70	04			
K.S.M.Constructions	01	01			
Infosys (TNSLPP)	28	00			
S.K.planners& Builders, Erode	01	01			
Viava Constructions	01	01			
Future Generali Insurance	94	37			
SPIC	62	04			
Velliyappan Constructions	01	01			
E_care India	45	05			
INFRA TEX	16	11			
K.C.S.Muruga& CO. – Nambiyur	01	01			
Gencor Pacific	24	10			
Trinity Colors	04	04			
LG Bros	15	15			
Aagna Business Solution	24	24			
AB Academy	106	28			
Zencorp	10	10			
Texmo	19	19			
D.R.Associates	02	02			
Ventura Capital	05	02			
CRI Pumps	05	01			
M.S. Digitech Automation	05	01			
Architect Design Service	03	01			
Sathish Architects	03	01			
Lakshmi Enterprises	04	01			



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TEX Valley	02	02			
AKR Textiles	02	02			
AG Hosiery Pvt. Ltd	05	03			
Augustine Knit wear Pvt.Ltd	03	01			
Bajaj Finance Service	05	01			
Benton Engineers	04	02			
Black Thander	01	01			
Guhan Textiles	05	04			
Indoshell Moulding , SIPCOT	15	13			
Inoshell Moulding, CBE	05	03			
J. K. Constructions	01	01			
KF Garments	01	01			
MD Info Tech.	02	02			
Muthoot finance	01	01			
PAP Exports	01	01			
Rodamine Apparel Industries Pvt Ltd	01	01			
Royal Wings	01	01			
Sairam Constructions	01	01			
Sakthi Architecture	01	01			
San Technologies	02	02			
Shriram Finance	01	01			
Sipcot	01	01			
Sivasakthi Hatcheries & Farm	01	01			
Sritej Constructions, Perundurai	01	01			

<b>5.2.2 Student progression to higher education in percentage during the year</b>					
<b>Year</b>	<b>Number of students enrolling into higher education</b>	<b>Programme graduated from</b>	<b>Department graduated from</b>	<b>Name of institution joined</b>	<b>Name of Programme admitted to</b>
2017 - 2018	07	B.E.	Civil	GRD College of Science	M.B.A
		B.E.	Civil	K.S.R College of Technology	M.E
		B.E.	Civil	Sona College of Technology	M.E
		B.E.	Civil	Savitha University	M.B.A
		B.E.	Civil	Dr. Ambedkar College of Law	B.L
		B.E.	Civil	K..S.R College of Technology	M.E
		B.E.	Civil	Dr. Mahalingam College of Engineering	M.E
2017 - 2018	01	B.E.	EEE	KV Institute of Management, Coimbatore	Master of Business Administration
2017 - 2018	01	B.E.	ECE	Kongu Engineering College	M.E. Communication Systems
2017 - 2018	01	B.E	ECE	Velalar College of Engineering & Technology	M.E Applied Electronics
2017 – 2018	02	B.E	Mechanical	Anna University, CEG Campus, Chennai	M.E. Manufacturing Engineering
2017 – 2018	01	B.E	Mechanical	SRM University, Chennai	M.E. Manufacturing Engineering

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2017 – 2018	01	B.E	Mechanical	Government College of Engineering , Salem	M.E. Manufacturing Engineering
2017 – 2018	01	B.E	Mechanical	PSG College of Technology, Coimbatore	M.E. Manufacturing Engineering
2017 – 2018	02	B.E	Mechanical	Bannari Amman Institute of Technology, Sathyamangalam	M.E. Manufacturing Engineering
2017 – 2018	01	B.E	Mechanical	Kaveri College of engineering, Salem	M.E. Manufacturing Engineering
2017 – 2018	6	B.Tech	Chemical	Kongu Engineering College, Perundurai.	M.Tech.
2017 – 2018	3	B.Tech	Chemical	Erode Sengunthar Engg. College, Perundurai	M.Tech.
2017 – 2018	1	B.Tech	Chemical	Coimbatore Institute of Technology, Coimbatore	M.Tech.
2017 – 2018	1	B.Tech	Chemical	ACTECH, Karaikudi	M.Tech.

<b>5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET / SET / SLET / GATE / GMAT / CAT / GRE / TOFEL / Civil Services / State Government Services)</b>						
<b>Items</b>	<b>No. of Students selected/ qualifying</b>			<b>Registration number/roll number for the exam</b>		
NET	--			--		
SET	--			--		
SLET	--			--		
GATE	07			--		
GMAT	--			--		
CAT	--			--		
GRE	01			--		
TOFEL	--			--		
Civil Services	--			--		
State Government Services	01			--		
Any Other (TNPSC)	01			--		
<b>5.2.4 Sports and cultural activities / competitions organized at the institution level during the year</b>						
<b>Activity</b>	<b>Level</b>			<b>Participants</b>		
Padma Viyuga- Chess Tournament	School Children			200		
State Level Republic Day Games (RDS) Hockey-Women, Foot Ball-Men & Hand Ball-Men	School Children			700		
Chief Minister Hockey Tournament	School, College & Open clubs			180		
Sports Development Authority of Tamilnadu (SDAT ) Hockey League Tournament	School, College & Open clubs			180		
22 <sup>nd</sup> Annual Sports Day	College Level			2500		
<b>5.3 Student Participation and Activities</b>						
<b>5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)</b>						
<b>Year</b>	<b>Name of the award/</b>	<b>National/ International</b>	<b>Sports</b>	<b>Cultural</b>	<b>Student ID number</b>	<b>Name of the student</b>

	<b>medal</b>					
-	-	-	-	-	-	-

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

- Students gave their views and suggestions of the entire class to the mentor during the counseling hour.
- Students counseling furnish their ideas and interests.
- Students are instructed to participate various curricular and co- curricular like paper presentations, workshops, seminars, sports are organized by various institutions.
- To Improve the students leadership quality and industrial knowledge

We have insisted to involved various club and training some of the

- ❖ Discipline & Anti-Ragging Committee
- ❖ Health & Public Awareness Committee
- ❖ Involvement and achievement in various co-curricular activities (technical paper presentation, participations in conferences, workshops, seminars and other technical events etc.)
- ❖ Involvement and achievement in various extracurricular activities (sports, NSS, Rotaract Club, Youth Red Cross, Leo Club, Red Ribbon Club, Tamil Mandram, ISTE Chapters and Entrepreneurship Development cell etc.)

Active participation and organizing student's association activities etc.

Department creates a platform for the active participation of the students in the various academic & administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Each council has a representative council, which is called Class Committee and includes. The student members bring forward the views and suggestions of the entire class with student members too. The composition of student members is of one topper, one average and one slow learner (respect to the faculty, subjects, syllabus and other things related to the class. the one who has more integrity with other students) of each section are nominated as The Student Council helps students share ideas, interests, and concerns with lecturers class representatives, for all the sections from I Year to Final Year .

<b>5.3 Alumni Engagement</b>
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):
<p style="text-align: center;"><b>Yes. Registered 50 / BK4 / 2017 dated 14th December 2017</b></p> <ul style="list-style-type: none"> <li>• To bring old students of Erode Sengunthar Engineering College under one forum for exchange of experience, knowledge and talents amongst members and the students of the College.</li> <li>• To promote social, cultural and educational relation and spirit de corps among the members educated at ESEC with a view to protecting and raising the status of the institution and those who pass out from it.</li> <li>• To safeguard and promote the interest of the members by constitutional means and to setup a welfare fund for the welfare of the members under the rules and bylaws framed thereof for the operation of the fund.</li> <li>• To voluntarily associate in any program that calls for protecting and raising the status of the Institute and those who pass out from it.</li> <li>• To maintain records, status, addresses, telephone numbers, place of work of those students who pass out from Erode Sengunthar Engineering College.</li> <li>• To do all such other acts and things as are incidental or conducive to the attainment of the above objects or any of them.</li> </ul>
5.3.2 No. of registered enrolled Alumni:
<b>2500</b>
5.3.3 Alumni contribution during the year (in Rupees) :
<b>Rs. 25,000.00</b>
5.3.4 Meetings/activities organized by Alumni Association :
<b>Grand alumni Meet 27.01.2018.</b>

<b>CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>
<b>6.1 Institutional Vision and Leadership</b>
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
<p>The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfill the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty members.</p> <p>Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, Co-curricular and extracurricular activities. They are given authority to conduct industrial tours and to have tie up with Industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs.</p> <p><b>Department Exam Cell:</b></p> <p>The department has separate exam cell, which will monitor the preparation of question papers, evaluating the papers, distribution of answer papers to the student and also sending the marks to the parents.</p> <p><b>Department Association :</b></p> <p>The association activities of the department include conducting National &amp; International Conference, Seminars. This will stimulate the extracurricular nature of the student so that they may improve in their societal behavior.</p> <ul style="list-style-type: none"> <li>• The management provides operational autonomy to the department / units of the institution. Thus the works are governed through decentralized and in systemic way.</li> <li>• The regular activities are decentralized and coordinated by Principal at institute level and HoDs at department level.</li> <li>• The Principal is responsible for the institutional level academic and non-academic activities. He coordinates with Heads of various Department, I-Year Coordinator, Training and Placement Officer, Coordinator of University Examination Cell, Coordinators of Admission Cell, Coordinator of Various Clubs, Manager of College Office, Transport Supervisor and Campus supervisor.</li> <li>• HoDs depute coordinators for taking care of Internal Assessment Test, Department Association, Placement, Research and Development, In-charge for Department Library, Enterprise Resource Planning, In-charges for Laboratories, Class Advisers, and Chair Persons of Class-Committee Meeting.</li> </ul>
6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial: <b>YES</b>
<b>6.2 Strategy Development and Deployment</b>
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

- **Curriculum Development**

The college is affiliated to the Anna University, Chennai and follows the curriculum and syllabi prescribed by it. However, the college organizes guest lectures, seminars, industrial visits and various training programmes to supplement the curricular inputs.

Universities and colleges play a major role in the Curriculum Design, Planning and Development and thus are expected to have processes, systems and structures in place to shoulder this responsibility. It is a process of developing appropriate need-based curricula in consultation with expert groups, based on the feedback from stakeholders, resulting in the development of relevant programmes with flexibility, to suit the professional and personal needs of the students and realization of core values. The process involves orientation of the teachers who would handle the curriculum and proper planning of the transaction

- **Teaching and Learning**

Diversity of Learners in respect of their background, abilities and other personal attributes will influence the extent of their learning. The teaching-learning modalities of the institution are rendered to be relevant for the learner group. The learner-centered education through appropriate methodologies facilitates effective learning. Teachers provide a variety of learning experiences, including individual and collaborative learning. The teachers employ interactive and participatory approach creating a feeling of responsibility in learning and makes learning a process of construction of knowledge.

The college follows the following methods to ensure better teaching and learning process

**Academic calendar**

An academic calendar is prepared at the beginning of every semester that consists of a planned schedule of departmental activities and functions like symposiums, workshops, conferences, guest lectures, internal assessments, class committee meetings, course committee meetings, industrial visits, project expo, model theory and practical examinations, association activities, annual day celebration, hostel day and convocation day.

**Lesson plan**

Lesson plans are prepared well in advance to complete the syllabus within the period prescribed by the university. Course and lecture plans prepared by the faculty are well-structured for the effective delivery of course.

**Time Table**

The time table is prepared for all the theory and laboratory courses in adherence to the Anna University curriculum. The class hours are planned to ensure optimum utilization of time period for effective teaching. Besides, few periods are allocated for other co-curricular and extracurricular activities such as library, seminar, placement classes, sports, etc.

**Assessment Tests**

Four unit tests and a model examination are being conducted in a semester. In accordance with Anna



University norms, the internal marks are calculated based on the performance of the students in the assessment tests.

### **Practical Courses**

Students' performances in practical courses are assessed continuously in each and every class through viva voce and model practical examinations.

### **Tutorial**

In the tutorial classes, students are given a set of problems under the guidance of faculty members with the ratio of 1:20. Spoken tutorial workshops on various open source software like Scilab, Python, etc. are organized with the support of Anna University, Chennai and IIT, Bombay.

### **Projects**

Students are trained to do mini projects to improve their knowledge on the applicability of the subject in real time problems.

### **Knowledge Sharing Session**

Knowledge Sharing Session is scheduled regularly to enable the technical interaction among the students of various branches to know the latest development in interdisciplinary fields.

### **Class Room Teaching**

- Conventional blackboard and chalk method make the students learn the subjects with comfort.
- Animated Videos are used to convey the concepts and methodologies for better learning.
- Analogy based teaching methodologies are followed.
- Video lectures by experts on problem oriented subjects are shown to the students to ease the learning process.
- Power point presentations are used for better learning.
- Imparting practical learning with the state of the art facilities.

### **Innovative teaching learning process**

Apart from regular lectures, a keen attention is paid on activity based learning for improved self-learning.

- The learning process has been made learner centric with forums such as Knowledge sharing sessions and Webinars for students and faculty members to make them well versed in global affairs of various fields.
- The independent learning keeps the students abreast of the latest technology and gives opportunities to acquire the knowledge in subject by reading the books, journals, newspapers and online tests.
- Field visits to industries make the students learn recent technologies & Industry culture.
- Real time projects lead the students for lively learning experience.
- Internship opportunities impart practical learning experience.
- Apart from regular classes, special hours have been allotted for placement, library and seminar to unleash students potential and presentation skills on any topics related to the curriculum. Also, National Programme on Technical Enhanced Learning (NPTEL) being conducted to enhance and improve the students learning skills.
- Sponsoring for faculty members to attend various training programmes / workshops / seminars /

conferences with registration fee & on-duty permission.

### **Quality of student projects**

- Quality of student's project is ensured by permitting them to do the real time industry oriented projects.
- The students are also permitted to make use of research facilities available in the department to carry out their projects.
- The students make use of various technical software available in the department to analyze and synthesize their project.
- The students demonstrate their project in state / national level project competitions and fetch appreciations / prizes.
- Projects of some of the students have been filed for obtaining Intellectual Property Rights
- The above activities ensure the quality of the student's project.

### **Assignments**

Assignments are given to the students so as to improve their intelligent quotient, self learning and logical thinking. Student has to answer the assignment by applying knowledge on engineering sciences, recent trends and contemporary issues. Assignment kindles their out of box thinking, which helps the students to attain certain Programme Outcome (POs) and Programme Specific Outcome (PSOs).

### **Examination and Evaluation**

- For theory courses, unit tests are conducted periodically as per the schedule. Set of question papers are prepared by the subject handling faculty members and the same are approved by the HoD. Faculty distributes the valued answer scripts and briefs the performance of the students. After examination, the class adviser prepares the consolidated mark list of all the students, get approval from the HoD & Principal and the mark lists are sent to the parents. For slow learners, special classes are conducted after the working hours for the required subjects.
- For laboratory courses, assessments are made continuously by correcting laboratory observation and record note books, asking viva voce question related to the experiment to evaluate the performance of the students. The model examinations for the laboratory courses are also conducted for the students to do the university practical examinations effectively.
- This Key Aspect looks at issues related to assessment of teaching, learning and evaluative processes and reforms, to increase the efficiency and effectiveness of the system. One of the purposes of evaluation is to provide development-inducing feedback. Further it should also help the teacher to plan appropriate activities for enhancing student performance. The qualitative dimension of evaluation is in its use for enhancing the competence of students. Innovative evaluation process is to gauge the knowledge and skills acquired at various levels of the programmes.

### **Research and Development**

- The Research and Development Cell is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering, Technology, Science and Humanities. R&D Cell encourages the faculty members and students for sending research proposals and

receiving funds from various research bodies.

- Promotion of research among students / faculty members is done by encouraging them to participate in conferences / project exhibitions / journal writing. Special lectures are given by experts to inculcate interest about research. Faculty members / students who received funds are also awarded with cash prizes and certificates.
- The Management provides up to Rs. 50,000 as research fund for researchers to carry out innovative research projects under in-house project scheme.
- Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences. Faculty members are guiding the students to do grant-in-aid research under student project scheme. Experts from reputed institutions are invited for R & D related interactions. The project proposals are usually examined and evaluated by the Project scrutinizing committee before they get sent to the funding agency.
- During the report period, Rs. 57,80,593 was fetched as Research fund for carrying out the Research projects.
- During the report period, 288 funding proposals were submitted to various funding agencies like DST, AICTE, DRDO, etc.

• **Library, ICT and Physical Infrastructure / Instrumentation**

**Library:**

Library has more than 1000 e-journals which include Science direct and DELNET, etc. and more than 5618 back volumes for all the departments. Digital library facilities with National and International online journals are also provided. Library administrations like issue / return of books are maintained through PALPAP software. The library building is enabled with Wi-fi facility. Every year, additional volumes of books are added based on the requirements from all the departments.

**ICT:**

All class rooms, tutorials rooms, seminar halls, laboratories pertaining each department is enabled with ICT tools. National Programme on Technology Enhanced Learning (NPTEL) Centre has been established to promote the students to listen the video lectures of eminent Professors of IITs, and IISc. QIC organizes spoken tutorial workshops on various open source softwares like SciLab, Python, etc. are organized with the support of Anna University, Chennai and IIT, Bombay. An e-materials and videos are available in all the departments for the access of the students and the faculty members. For every subject, power point presentation is being prepared by the faculty members and it is used for taking classes in an interactive way.

**Physical infrastructure/instrumentation:**

- The Institution has more than 20 buildings with built up area of 22,382.15 sq.m. for academic purposes including 13,514.92 sq.m.. for hostel and other amenities.
- The campus manager is monitoring the maintenance of academic infrastructure and other facilities.
- A dedicated team of about 20 employees under the supervision of the Horticulturist functions exclusively for maintaining the green landscape.

- The maintenance of the equipment, learning resources is monitored by the concerned departments respectively. The good maintenance work is carried out through the campus maintenance, system maintenance and outside vendors with proper approval.
- Two civil supervisors are employed under the supervisor of campus manager to carry out construction of additional / new facilities and maintenance of the campus.
- Separate cell in the name of system maintenance cell is functioning for procurement, upgradation, deployment and maintenance of computer and their accessories in the Institution.
- A separate wing is operated under the headship of vehicle maintenance In-charge to procure, service and maintenance of vehicles.
- The green ambience of the campus is maintained by the campus office.

- **Human Resource Management**

- The institution has a mechanism of notification of regular posts and conductivity interviews. It recruits faculty members (both teaching and non-teaching) based on the guidelines provided by the affiliated university. Adequate number of qualified faculty members has been appointed through the procedure of open advertisement and interview by expert committee. The newly recruited faculty members are deputed to undergo faculty development program to enhance the Teaching Learning process.
- Arranging various orientation programmes for both teaching and non-teaching faculty members for upgrading their skills in their respective fields using latest technology.
- Incentives are given to the faculty members for presenting research papers in reputed Journals / International and National Conferences.
- Medical Insurance is provided to the faculty members with the coverage for their spouse, dependent parents and children to the extent of Rs.1,00,000.
- The institution has provided a maternity leave period of 3 months with salary for women faculty members.
- Provides sabbatical assistance to faculty members for their continued service in the institute, for pursuing higher studies, conducting research by spending time away from institute. An approval is granted maximum for a period of six months.
- Faculty members are deputed to undergo faculty development programme, seminars and workshops to enhance the Teaching Learning process and upgrade their skills by learning the latest technology. It is ensured that the faculty members render their service with entire job satisfaction. They are motivated and assisted by the college for the professional upliftment.

- **Industry Interaction / Collaboration**

- The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed core industries to enhance Industry-Institute Interaction activities like internships, industrial visits, in-plant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students.
- Established a Memorandum of Understanding with foreign university, Asia Pacific University of

Technology & Innovation, Malaysia. The activities like online guest lectures, collaboration in Research and Development projects are in progress.

- Industry Institute Partnership Cell (IIPC) is functioning for enhancing the industry-institute relationship. The different kinds of activities which are followed in IIPC are given below.
  - Arranging industrial visits, in-plant training and internship programmes to the students, for getting practical exposure and knowledge in the industrial environment.
  - Providing internship training programme for the faculty members from industry to update their knowledge on present day industrial scenario.
  - Collaborating with the industry for R & D Projects.
  - Conducting awareness programmes on entrepreneurship skills and engineering and technological fields.
  - Conducting training programmes through T & P Cell to all students from first semester onwards.
  - The cell invites experienced academicians, leading professionals with extensive corporate experience and entrepreneurs to address the students and thereby facilitate practical learning.

- **Admission of Students**

**Admission Procedure:**

Admissions are made upon the basis of Tamil Nadu Engineering Admissions–single window system procedure for the government quota students and through the consortium of self financing engineering colleges for the management quota students. It is mandatory that Post Graduate students should appear for the Tamil Nadu Common Entrance Test (TANCET) for admission under the Government quota.

For admitting students under management quota, they should appear for the Common Entrance Test conducted by consortium of engineering colleges. Lateral entry admission is done by the institution satisfying the eligibility norms prescribed by the Government.

**UG Programmes**

For admission into the engineering courses, candidates should pass the higher secondary examinations of (12th pattern) curriculum (Academic stream) with Mathematics, Physics and Chemistry or any examination of any other university or authority accepted by the syndicate of Anna University as equivalent thereto or Higher Secondary examinations of vocational stream in the fields of engineering and technology as prescribed by the Government of Tamil Nadu.

The minimum marks prescribed by the Government of Tamil Nadu under academic and as well as vocational stream are listed below.

Table 1. Minimum Marks for H.Sc. (Academic) and other Equivalent Candidates

Average Marks in Physics, Chemistry and Maths	OC	BCM	BC	MBC/DNT	SC	ST
	50%	45%	45%	40%	40%	40%

Table2. Minimum Marks for H.Sc. (Vocational) Candidates

Average Marks in Maths / Physics / Chemistry / Vocational	OC	BCM	BC	MBC/DNT	SC	ST
	50%	45%	45%	40%	40%	40%

Subject Under Part-III						
------------------------	--	--	--	--	--	--

**Students from other states**

Students who have passed the qualifying examinations of University / Board other than Madras / Madurai / Annamalai / Bharathiar / Bharathidasan University should obtain the Provisional Eligibility Certificate from the Registrar, after being admitted in the college. If the qualification for any reason is not recognized by Anna University, the candidate will have to discontinue the course.

**Lateral Entry Scheme:**

A pass with minimum eligible marks in the Diploma Course of the Directorate of Technical Education, Tamil Nadu / Relevant Degree for the Lateral is as follows:

Average Marks in Pre-final and	<b>OC</b>	<b>BCM</b>	<b>BC</b>	<b>MBC/DNT</b>	<b>SC</b>	<b>ST</b>
Final semester	50%	45%	45%	40%	40%	40%

For the purpose of calculation of marks in respect of sandwich diploma passed candidates, marks secured in the 5th and 6th semesters shall be considered. If the industrial training intervenes in any one of the last two semesters, the marks of the previous semester in which there is no industrial training shall be considered for the purpose of calculating the marks.

**Single Window System**

65% of the seats are filled through single window system. Admission to the various UG courses of study is done in accordance with the statutory provisions of the Anna University and the Government of Tamil Nadu. The seats under Government quota are filled through the single window system of admission based on Higher Secondary examination marks.

**Management Quota**

Maximum of 35% of the seats are filled by the management. The seats under management quota are filled through consortium of self-finance engineering colleges in Tamil Nadu.

**PG Programmes**

The PG programmes comprise four semesters (2 years) for M.E. / M.Tech. / M.B.A. and six semesters (3 years) for M.C.A.

Eligibility for Admission to PG Courses

S.No.	ELIGIBILITY	
	M.E. Manufacturing Engineering	
1.	B.E. / B.Tech. 1.Mechanical Engineering 2.Automobile Engineering 3.Manufacturing Engineering 4.Production Engineering	5.Aerospace Engineering 6.Industrial Engineering 7.Mechatronics Engineering 8.Marine Engineering 9.Aeronautical Engineering
	M.E. Power Electronics and Drives	

2.	B.E. / B.Tech. 1.Electrical and Electronics Engineering 2.Electronics and Communication Engg 3.Electronics and Instrumentation Engg	4.Instrumentation and Control Engineering 5.Electronics Engineering 6.Instrumentation Engineering
M.E. Applied Electronics		
3.	B.E. / B.Tech. 1. Electrical and Electronics Engineering 2.Electronics and Communication Engg 3.Electronics and Instrumentation Engg	4.Instrumentation and Control Engineering 5.ElectronicsEngineering 6.Instrumentation Engineering
M.E. Computer Science and Engineering		
4.	B.E. / B.Tech. 1.Electronics and Communication Engg 2.Information Technology 3.Computer Science Engineering. 4.Software Engineering	M.Sc. (5 years integrated) 1.Information Technology 2.Computer Science 3.Software Engineering
M.E. Environmental Engineering		
5.	B.E. / B.Tech. (Civil)	
M.B.A.		
6.	Degree with 55% marks in case of Engineering & Science and 50% marks for arts science.	
M.C.A.		
7.	A graduate in any discipline with Mathematics / Statistics / Computer Science as a subject.	

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

- Planning and Development
- Administration
- Finance and Accounts
- Student Admission and Support
- Examination

The Institution has adopted ICT enabled e-governance. The enrollments, academic evaluation, HR, payroll, and financial functions of the University are all IT-enabled. Institution has implemented a process review and audit system for all its academic functional areas which are executed by experts from external organizations. Institution has fully Wi-Fi equipped campus which enables students for advanced learning. This facility along with a state-of-art IT-infrastructure provides the excellent source of communication between the students and faculty members. The faculty-members have full access to a vast number of e-resources thereby improving their teaching and research output. All departments and functionaries of institution are working in synchrony in

order to achieve a common goal i.e. Global Centre of learning to promote Professional Excellence and Innovation. University has a world-class dome-shaped meditation center for faculty, staff, and students, which helps in providing mental peace, concentration and spiritual satisfaction. University is also in the process of developing near-by villages for community development, thus university is involved in overall development of entire community. Institution also collaborates with District administration for growth and holistic development.

A good higher education system is required for overall development of a nation. A remarkable growth in the higher education sector had made the administration of higher education institutions intricate. Many researches reveal that the integration of ICT helps to reduce the intricacy and enhance the overall administration of higher education. Electronic Governance (e - Governance) is the use of Information and Communication Technologies (ICT) for the planning, implementation, and monitoring of government programs, projects, and activities. E - Governance is expected to help deliver cost - effective and easy - to - access citizen services, and improve processing of transactions both within the government, and between the government and other agencies. E - Governance is understood as a set of activities involving the effective contribution of information and communication technology (ICT) for strengthening administration and management in higher education system in India has declined somewhat over the past three decades due to remarkable increase in the number of colleges and universities and their privatization. It has become very important for the government to keep track of their functioning. Educational institutions may have various requirements that include computerization and management of processes such as registration, admission, student information, classes, time table, transport, attendance, library, salary and expenses, examinations, performance, grades, hostels , security and reports. Many of the software providers allow their clients to choose from the available modules to suit their needs to monitoring of these aspects. In this study , an attempt has been made to discuss the concept of E - Governance and use of la test application in higher education sector

**6.3 Faculty Empowerment Strategies**

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017-2018	K.M. Gopalakrishnan	Sustainable Solid Waste Management Technologies for clean India	ISSE	1500
2017-2018		Disaster Management and First Aid	ISSE	



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2017-2018	K.G.Devaki	Nanotechnology for advancement in transportation engineering	ISSE	1000
2017-2018	P.Balamurugan	Sustainable Solid Waste Management Technologies for clean India	ISSE	5000
2017-2018		Application of GIS in water resource management	ISSE	
2017-2018		India International Science Festival	ISSE	
2017-2018	L.Mekala	Current trends, prospects & challenges of swachh bharat	ISSE	1800
2017-2018		Green Construction Techniques for climate resilient affordable housing	ISSE	
2017-2018		Understanding waste water management technologies and green environment	ISSE	
2017-2018	L.Poovendran	Instructional design and Delivery systems	ISSE	1200
2017-2018	S.Saravanan	Structural Dynamics & Earthquake Engineering	ISSE	1400
2017-2018		Instructional design and Delivery systems	ISSE	
2017-2018	D.Sukumar	Construction Project Management Present & Future	ISSE	1100
2017-2018		Structural Dynamics & Earthquake Engineering	ISSE	
2017-2018	M.Abirami	Construction Project Management Present & Future	ISSE	1200
2017-2018		Waste management	ISSE	

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		system for a Swachh and smart city		
2017-2018	K.M.Mohana Priya	Construction Project Management Present & Future	ISSE	1400
2017-2018		Instructional design and Delivery systems	ISSE	
2017-2018	M.Shabari	Current trends, prospects & challenges of swachh bharat	ISSE	1000
2017-2018	V.Goutham	Instructional design and Delivery systems	ISSE	1200
2017-2018		Application of GIS in water resource management	ISSE	
2017-2018	A.Ashok Kumar	Instructional design and Delivery systems	ISSE	1000
2017-2018	D.Krishna	Instructional design and Delivery systems	ISSE	1000
2017-2018	U.Balamurugan	Application of GIS in water resource management	ISSE	2000
2017-2018		India International Science Festival	ISSE	
2017-2018	K.Jagatheswaran	Short time course on micro machining	SRM University	4000
2017-2018	G.Lingeswaran	Instructional design and Delivery systems	ISSE	1000
2017-2018	M.Ramya	Instructional design and Delivery systems	ISSE	1000
2017-2018	M.Karthik Kumar	Instructional design and Delivery systems	ISSE	1000
2017-2018	P.Logamurthy	Instructional design and Delivery systems	ISSE	1000
2017-2018	K.S.Renugadevi	Instructional design and Delivery systems	ISSE	1000
2017-2018	Dr.T.S.Senthil	International Conference	International	20,000

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		on Nano for Energy and Water (NEW) 2017	Conference		
6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year					
Year	Title of the professional development programme organized for teaching staff	Title of the administrative training programme organized for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-2018	FDP on Communication	LCD Usage, Operating Audio & Video, MS Office	05.12.2018	17	04
2017-2018	Teaching & Learning Methodologies	-	24.07.2017 to 29.07.2017.	04	-
2017-2018	-	Calibration of Electrical Equipment's	17.07.2017	-	02
2017-2018	Effective teaching and methodology to handle the young students	-	24.07.2017 to 29.07.2017	34	-
2017-2018	Workshop on MATLAB-Digital Image Processing & Communication Systems"	Workshop on MATLAB-Digital Image Processing & Communication Systems"	14.07.2017	11	04
	Workshop on Audrino & Raspberrypi	Audrino & Raspberrypi	18.11.2017	11	04
2017-2018	-	Calibration of Electrical Instruments	18.07.2017	-	02
2017-2018	Finite Element Analysis	-	04.01.2018	20	04
2017-2018	Recent	-	02.02.2018	20	04

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	developments in IC Engines research				
2017-2018	Geometrical Dimensioning and Tolerancing	Geometrical Dimensioning and Tolerancing	07.05.2018	20	04
2017-2018	Advances on Nano Catalyst using Waste Water Treatment & its Applications	-	04.08.2017 to 05.08.2017	07	-
2017-2018	Process for Disposal of Waste Propellant and Chemicals	-	06.03.2018 (1day)	13	-
2017-2018	-	Safety needs to Chemical Engineering equipment's and chemical handling	06.03.2018 (1day)	-	04

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Instructional design and Delivery systems	34	24.07.2017 to 29.07.2017 (6 days)
Structural Dynamics & Earthquake Engineering	02	09-16.06.207 (7 days)
Special lecture on Engineering Management of Launch complex application of System Engineering	01	09.09.2017 (1 day)
AWS Educate Day 2017	01	13.07.2017 (1 day)
Higher Education Conclave	01	01.09.2017 (1 day)
Workshop on Object Oriented Programming using Python	13	21th to 24 <sup>th</sup> & 28.08.2017 (5 days)
FDP on Network Simulation	15	21-09-2017 (1 day)
FDP on Teaching & Learning Methodologies	04	24.07.207 to 29.07.2017. (6 days)

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Faculty Enablement Program - Foundation Program on Python Programming	01	31.07.2017 to 04.08.2017 (5 days)
Infosys- Train the Trainer Programme on Mobile Apps Development with Android	01	25.09.2017 to 27.09.2017 (3 days)
Introduction to R Programming	03	30.10.2017 & 31.10.2017 (2 days)
Introduction to Big Data Analytics	05	17.11.2017 & 18.11.2017 (2 days)
FDP on Mobile Computing	01	22.11.2017 to 28.11.2017 (7 days)
Infosys - TTT on Software Testing	02	06.12.2017 to 08.12.2017 (3 days)
MATLAB – Digital Image Processing and Communication Systems	11	14.7.2017 (1 day)
Foundation program in ICT for Education	02	8.3.2018-12.4.2018 (36 days)
Instructional design and delivery system	06	24.07.17 to 29.07.17 (6 Days)
Heat and mass transfer	08	24.05.17 to 31.05.17 (8 Days)
Short time course on micro machining	01	20.11.17 to 27.11.17 (8 Days)
Introduction to Robotics	01	27.11.17 to 28.11.17 (2 Days)
Mechatronics as applied to industries	01	15.05.17 to 17.05.17 (2 Days)
Challenges and modern techniques in realizing complex infrastructure	01	05.03.18 (1Day)
Advances on Nano Catalyst using Waste Water Treatment & its Applications	13	04.08.2017 to 05.08.2017 (2 day)
Process for Disposal of Waste Propellant and Chemicals	13	06.03.2018 (1day)
FDP conducted by NITTTTR	02	24.07.2017 to 29.07.2017 (5 Days)
Productivity Conclave 2018	01	22.02.2018 (1Day)
CII Conclave at Le-Meridian, Coimbatore	1	30.11.2017 to 01.12.2017 (3 days)
National Conference on “Winning the Marketing War: Challenges & Responses” on the topic “New Trends in Social Media Marketing”	4	15.09.2017 (1 day)
International Conference on Advancements in Engineering, Technology and Sciences	1	16.03.2018 & 17.03.2018 (2 days)

(ICAETS 2018)			
SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE)	6	05.04.2018 & 06.04.2018 (2 days)	
FDP on “Infosys Campus Connect: Deep Dive Faculty Enablement Programme on Foundation Programme 4.1 - PYTHON”.	1	31.07.2017 to 04.08.2017 (5 days)	
FDP on “iON PRIDE Faculty Development Programme” by TCS	1	27.07.2017 (1 day)	
National-Level Workshop on Python	3	20.08.2017 (1 day)	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):			
Teaching		Nonteaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
145	145	87	87/--
6.3.5 Welfare schemes for			
Teaching	<ul style="list-style-type: none"> <li>• 5 days Medical Leave, 12 days Casual Leave &amp; 30 days’ Vacation</li> <li>• 90 days Maternity leave with half salary for Lady Faculty members</li> <li>• Sponsorship to pursue Higher Studies</li> <li>• 40% share to faculty members for their consultancy work</li> <li>• Seed money for R&amp;D activities</li> <li>• Sponsorship for National and International publications in Conferences and Journals</li> <li>• Awards &amp; Certificates for Meritorious and Continuous service</li> <li>• Giving concession in workload allotment for the faculty who involve in the research and funding projects works</li> <li>• Free Hostel accommodation and food for wardens</li> <li>• Concession to avail College bus service</li> </ul>		
Non teaching	<ul style="list-style-type: none"> <li>• 5 days Medical Leave, 12 days Casual Leave &amp; 30 days’ Vacation</li> <li>• 90 days Maternity leave with half salary for Lady non-teaching Faculty members</li> <li>• Sponsorship to pursue Higher Studies</li> <li>• 40% share to non-teaching faculty members for their consultancy work</li> <li>• Free Hostel accommodation and food for wardens</li> <li>• Concession to avail College bus service</li> </ul>		
Students	<ul style="list-style-type: none"> <li>• Full Tuition Fee exemptions for Meritorious Students</li> <li>• Fee exemptions for Students excelling in Sports and Games</li> <li>• Fee exemptions for Physically challenged and economically weaker sections</li> <li>• Endowments created by Trust members, Staff, Parents and Well wishers</li> </ul>		

	<ul style="list-style-type: none"> <li>• Gold medal for University Rank Holders</li> <li>• Cash award and Certificates for Academic toppers &amp; 100% attendance holder in the class</li> </ul>			
<b>6.4 Financial Management and Resource Mobilization</b>				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) The institute has an internal auditor who audits all the accounts yearly. The institute has mechanisms for internal and external audit. Internal audit is carried out periodically. External audit is carried out once in a year. External Auditor verifies all receipts & expenses bills, payments of the Financial Year.				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose		
-	-	-		
6.4.2 Total corpus fund generated				
<b>6.5 Internal Quality Assurance System</b>				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
<b>Audit Type</b>	<b>External</b>		<b>Internal</b>	
	<b>Yes/No</b>	<b>Agency</b>	<b>Yes/No</b>	<b>Authority</b>
Academic	No	--	Yes	ESEC
Administrative	No	--	Yes	ESEC
<b>6.5.2 Activities and support from the Parent – Teacher Association (at least three)</b>				
<ul style="list-style-type: none"> <li>• Parents – Teachers meeting is regularly conducted for the betterment of the students in their studies. The queries posted by the parents are noted and would be solved in the forthcoming semesters.</li> <li>• This meeting would facilitate the parents to convey their suggestions for their wards better performance in curricular, co-curricular, extracurricular activities and to discuss about students discipline and academic performances</li> <li>• Parents and teachers have been involved various students welfare activities and skill development programmes.</li> <li>• The academic progress of every student is informed in the mode of letter and phone call. Whenever necessary parents are called and discussed about their wards. Parents can call class advisor and head of the department /at any time through phone.</li> </ul>				
<b>6.5.3 Development programmes for support staff (at least three)</b>				
<ul style="list-style-type: none"> <li>• Workshop on MATLAB-Digital Image Processing &amp; Communication Systems”</li> <li>• Workshop on Audrino &amp; Raspberrypi</li> </ul>				

- Training for handling the advanced instruments
- Training on MS office
- Training on LCD Maintenance
- Training program on “Calibration of Electrical Instruments”
- Training program on “Safety needs to Chemical Engineering equipment’s and chemical handling”

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

- Faculty & Students Internship  
Internships are key to building experience as a student or recent graduate. Employers are much more likely to hire someone with internships and work experience rather than someone with a generic resume, lacking experience.
- Faculty Online Course  
Teacher education or teacher training refers to the policies, procedures, and provision designed to equip (prospective) teachers with the knowledge, attitudes, behaviors, and skills they require to perform their tasks effectively in the classroom, school, and wider community. The professionals who engage in this activity are called teacher educators (or, in some contexts, teacher trainers).  
There is a longstanding and ongoing debate about the most appropriate term to describe these activities. The term 'teacher training' (which may give the impression that the activity involves training staff to undertake relatively routine tasks) seems to be losing ground, at least in the U.S., to 'teacher education' (with its connotation of preparing staff for a professional role as a reflective practitioner).[1]
- The faculty members are encouraged to pursue the doctoral degree.  
Faculty development has been defined as that wide range of activities that institutions apply to support faculty members' roles. This included programs designed to improve the performance of faculty members in education, research and administration [16] as well as augmenting organizational capacities and culture.  
Instructional development which emphasized the development of faculty skills involving instructional technology, small group teaching, media, courses, and curriculum design
  - Professional development which emphasized the development of individual faculty members in their professional responsibilities as educators, researchers, and administrators
  - Organizational development which emphasized the requirements, and main concerns of the institution
  - Career development which emphasized faculty preparation for career advancement
  - Personal development which stressed on life planning, interpersonal and communication skills of faculty members.

**6.5.5**

- a. Submission of Data for AISHE portal : (~~Yes~~/No)
- b. Participation in NIRF : (Yes /~~No~~)
- c. ISO Certification : (~~Yes~~/No)



d. NBA or any other quality audit : (Yes /No)				
6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2017-2018	NITTR - FDP	24.07.2017	24.07.2017 to 29.07.2017 (6 days)	6
2017-2018	ICMR Sponsored Workshop on Data Analytics in Healthcare Systems	14-07-2017 & 15-07-2017	14-07-2017 & 15-07-2017 (2 Days)	100
2017-2018	One day Workshop on Big Data Analytics using R Language	29-07-2017	29-07-2017 (1 Day)	42
2017-2018	Two day Workshop on Creative Technologies	18-08-2017 & 19-08-2017	18-08-2017 & 19-08-2017 (2 Days)	53
2017-2018	Seminar on “Basics of Cloud Computing and Artificial Intelligence in Amazon”	26-08-2017	26-08-2017 (1 Day)	110
2017-2018	Kanifest – National Level Technical Symposium and Project Exhibition	29-08-2017 & 30-08-2017	29-08-2017 & 30-08-2017 (2 Days)	250
2017-2018	Lecture on “Scripting Language	09.09.2017	09.09.2017 (1 Day)	53
2017-2018	ICTACT sponsored two day FDP on Introduction to Big Data Analytics	17.11.2017 & 18.11.2017	17.11.2017 & 18.11.2017 (2 Days)	35
2017-2018	Value added course on “Mobile Apps Development”	18.12.2017 to 22.12.2017	18.12.2017 to 22.12.2017 (5 Days)	53
2017-2018	Guest Lecture on “Software Industry Expectations”	22.01.2018	22.01.2018 (1 Day)	163

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2017-2018	Guest Lecture on Software Testing”	03.02.2018	03.02.2018 (1 Day)	163
2017-2018	Expert Lecture for the Subject “Digital Signal Processing	17.02.2018	17.02.2018 (1 Day)	53
2017-2018	Expert Lecture on “Probability and Queuing Theory	28.02.2018	28.02.2018 (1 Day)	68
2017-2018	ICMR sponsored Workshop on “Virtual Reality and its applications in Healthcare Industry”	02.03.2018 & 03.03.2018	02.03.2018 & 03.03.2018 (2 Days)	56
2017-2018	Guest Lecture on “Cloud Computing and Network based Information System at INFLIBNET Center”.	05.03.2018	05.03.2018 (1 Day)	163
2017-2018	One Day National Level Seminar on “Institutional Quality Enhancement and Sustenance in Higher Education in Rural Areas”	22.02.2018	22.02.2018 (One Day)	117
2017-2018	IEEE-Student Professional Awareness Conference (IEEE - SPAC 2017)	19.09.2017	19.09.2017 (One Day)	117
2017-2018	Guest lecture-I on the topic “Role of Instrumentation Engineers in Thermal Power Plant”	06.07.2017	06.07.2017 (1 day)	47
2017-2018	Leaders Talk-I on the topic “Job openings in Embedded sectors”	29.07.2017	29.07.2017 (1 day)	47

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2017-2018	Leaders Talk-II on the topic “Emerging Technologies in Sugar Industries”	23.08.2017	23.08.2017 (1 day)	47
2017-2018	Leaders Talk-III on the topic “Ways of Approaching Interviews”	11.09.2017	11.09.2017 (1 day)	47
2017-2018	Two day National Workshop on the topic “Embedded systems and IoT applications”	22.09.2017 & 23.09.2017	22.09.2017 & 23.09.2017 (2 days)	47
2017-2018	Guest lecture-II on the topic “Recent Trends In Industrial Automation”	20.12.2017	20.12.2017 (1 day)	47
2017-2018	Leaders Talk-IV on the topic “Job openings in the Instrumentation sectors”	28.12.2017	28.12.2017 (1 day)	47
2017-2018	Seminar on the topic “Emerging Trends In Industrial Automation With DCS”	03.01.2018	03.01.2018 (1 day)	47
2017-2018	Leaders Talk-V on the topic “Job openings in Commissioning Sectors”	10.01.2018	10.01.2018 (1 day)	47
2017-2018	Leaders Talk-VI on the topic “Necessary Skills for Engineer”	06.02.2018	06.02.2018 (1 day)	47
2017-2018	Expert lecture on the topic “Digital Signal Processing”	17.02.2018	17.02.2018 (1 day)	47
2017-2018	Leaders Talk-VII on the topic “Revolution of Automation Strategies”	08.03.2018	08.03.2018 (1 day)	47
2017-2018	Guest Lecture –III on	24.03.2018	24.03.2018	47

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	the topic “Automation In Process Industries”		(1 day)	
2017-2018	Faculty Development Programme on “Instructional Design And Delivery Systems ”	24.07.2017	24.07.2017 to 29.07.2017 (2 days)	12

<b>CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES</b>			
<b>7.1 - Institutional Values and Social Responsibilities</b>			
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)			
Title of the programme	Period (from-to)	Participants	
International Women's day	08.03.2018	Female	Male
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources			
			
Snapshot: Erode Sengunthar Engineering College			
<p>The college is located in a rural area, being a Green Campus with 7500 trees, enhances and ambient and environmental quality. The college has the special objective that every student should plant each sapling in the college campus at the time of their entry in the first year and at the time of leaving the college in the final year. The campus is maintained as smoke free by parking car &amp; two wheeler in separate parking area and plastic pollution free by continuous education to the students.</p> <p>The college is implementing energy conservation activities by utilizing solar energy and minimum utilization of conventional energy resources.</p> <p>The practice of rain water harvesting, check dams, food waste management techniques are being followed in the campus.</p>			
7.1.3 Differently abled (Divyangjan) friendliness			
Items Facilities	Yes/No	No. of Beneficiaries	
Physical facilities	Yes	--	
Provision for lift	No	--	
Ramp/ Rails	Yes	--	

Braille Software/facilities	No	--
Rest Rooms	Yes	--
Scribes for examination	No	--
Special skill development for differently abled students	No	--
Any other similar facility	No	--

#### 7.1.4 Inclusion and Situatedness

**Enlist most important initiatives taken to address locational advantages and disadvantages during the year**

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
Nil						

#### 7.1.5 Human Values and Professional Ethics

**Code of conduct (handbooks) for various stakeholders**

Title	Date of Publication	Follow up (maximum 100 words each)
Nil		

#### 7.1.6 Activities conducted for promotion of Universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
“Women’s working Environment in Construction Field”	07.09.2017 (One day)	40
Inner Technology for the future success	06.01.2018 (One day)	250
Indian Space Programme and Opportunities”	23.02.2018 (One day)	325

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

- The college is showing keen interest in planting and growing trees inside the campus. At present more than

7500 trees are full grown. The trees are periodically maintained by applying pesticides, cutting unwanted branches, white washing the bottom portion of the trees, etc., Recycled water is fed to the trees. The college twice awarded as ‘Protector of Trees’ by Sakthi Masala Limited, Erode.

- The College is green conscious and the following initiatives are made to keep the campus eco friendly
  - Zero Pollution Green Campus,
  - Solar Power Plant, Solar Water Heater, Solar Street Lights
  - Rain Water Harvesting Plants, Rain Water Collection Ponds
  - Bio Gas Plants, Sewage Treatment Plant
  - Restricted Vehicle Movement
  - No Smoking Campus

### 7.2 Best Practices

Describe at least two institutional best practices

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

- **In – house Research Funding**

Faculty members are provided with the research grants by the management to carry out their research under In-house research funding scheme and also they are supported by giving incentives for their consultancy activities.

- **Knowledge Sharing Session**

The college follows the practices of Knowledge Sharing Session (for both faculty members and students), on turn basis, faculty members and students will make the presentation on recent technology and socially relevant topics. In this event, new ideas are shared among all the faculty members and students.

### 7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the web link of the institution in not more than 500 words

#### **Vision of the Institution**

Erode Sengunthar Engineering College strives with determination and commitment to provide and promote world-class Technical Education, in particular to the students of backward rural areas, transforming them into holistic personalities embedded with discipline, skill and responsibility that makes them patriotic, successful and self-developed professionals ready to accomplish any job in their career and life.

#### **Mission of the Institution**

- Provide an idyllic study atmosphere, fine infrastructure, qualified and dedicated faculty and standardized systems for a strong career foundation.
- Aid and motivate the students and faculty alike for maximum utilization of facilities, making them innovative and creative in thinking and research, in order to provide technical service to industry and society.

- Develop multi-skilled personalities to make ESEC, a world leader in Technical Education.

**Strength**

- Visionary Management
- Dedicated & experienced faculty.
- Expanding infrastructure with modern facilities and learning resources.
- Students Scholarship Scheme by Management.
- Development of Research culture by offering seed money for faculty & students' research.
- Technical training to industrial employees.
- Eco-friendly initiatives.

**Weakness**

- Students of rural background with low income and first generation learners.
- R & D activities need to be further strengthened.
- Alumni interactions to be further strengthened.

**Opportunities**

- To tap more funding under interdisciplinary projects.
- To establish foreign University tie-ups.
- To obtain the Autonomous status.

**Challenges**

- Meeting the fierce competition in Higher Educational field.
- Drastic rise in expenditures.
- Government regulations with respect to fee structure of students.
- Communication enhancement among the rural students.



**8. Future Plans of action for next academic year (500 words)**

- To obtain more university ranks.
- To strengthen the Research and Development activities.
- To get approved research center status from Anna University, Chennai to EEE.
- To establish tie up with foreign universities with respect to engineering stream.
- To ensure the continuous improvement in pass percentage of the students in Anna University Examinations.
- To improve the admission rate and quality.
- To establish center of excellence in every departments.
- To ensure 100% placement and to enhance the level of placement in the reputed core industries.
- To increase the number of students to appear for GATE, GRE and TOEFL examinations.
- To file more number of intellectual property rights.
- To establish the new Memorandum of Understandings (MoUs) with reputed industries.
- To encourage more faculty members to pursue higher degree.
- To improve the number of publications in the peer reviewed international journals
- To fulfill the requirements of NBA, New Delhi and to attain five year accreditation status.
- Infrastructure has been developed for M.E Industrial Safety engineering by purchasing and setting the necessary laboratory.
- It has been planned to invite alumnus of every department of ESEC once in a month to interact with the students to provide pointers for their future prospects.
- Motivating students to involve in innovative projects and also to get funding from various funding agencies. Planning to conduct various programs that will create a spark among students regarding leadership and entrepreneurship qualities

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

\_\_\_\_\_  
*Signature of the Chairperson, IQAC*

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**Annexure I**

**Abbreviations:**

- CAS - Career Advancement Scheme
- CAT - Common Admission Test
- CBCS - Choice Based Credit System
- CE - Centre for Excellence
- COP - Career Oriented Programme
- CPE - College with Potential for Excellence
- DPE - Department with Potential for Excellence
- GATE - Graduate Aptitude Test
- NET - National Eligibility Test
- PEI - Physical Education Institution
- SAP - Special Assistance Programme
- SF - Self Financing
- SLET - State Level Eligibility Test
- TEI - Teacher Education Institution

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Annexure – 1**ERODE SENGUNTHAR ENGINEERING COLLEGE**

(Approved by AICTE, New Delhi, Permanently Affiliated to Anna University – Chennai,

Accredited by National Board of Accreditation (NBA), New Delhi and

National Assessment &amp; Accreditation Council (NAAC), Bangalore with 'A' Grade)

**Perundurai, Erode - 638 057.****ACTIVITIES OF RESEARCH AND DEVELOPMENT CELL**

**Details of funds sanctioned/received for various Research and Development activities During  
June 2017 to May 2018**

S.No.	Department	Details of funding proposals	Funding agency	Amount sanctioned/ received/ Awards	Date of sanction	Co-ordinator (s) / Principal Investigator (s)
1.	Physics	Nucleation control, separation and crystallization of L-glutamic acid polymorphs by solution growth technique and growth and characterization of single crystals of L-glutamic acid derivatives	Board of Research in Nuclear Science (BRNS), DAE, Mumbai	Rs.4.54 lakh (3 <sup>rd</sup> Instalment)	07.07.2017	Dr. T.S. Senthil Professor/Physics
2.	Physics	Alpha Alumina doped rutile TiO <sub>2</sub> nanorod based high efficiency dye sensitized solar cells	Board of Research in Nuclear Science (BRNS), DAE, Mumbai	Rs. 4.89 lakh (3 <sup>rd</sup> Installment)	05.07.2017	PI: Dr. T. S. Senthil Professor Co-PI: Dr.N.M. Ganesan AP
3.	MBA	A project to create awareness on menstruation hygiene practices and uplift the economy of rural	NRDMS, DST, New Delhi	Rs.2,42,772 I- installment for non- recurring expenses	30.09.2017	Dr. K.T. Kalaiselvi ( PI) Mr.D.Nidhyanath (Co- PI)

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		and tribal women through manufacturing ecofriendly low cost sanitary napkins				
4.	CSE	Electronics & Hardware	AICTE-PMKVY	II installment Rs.60,750	Sep 2017	Dr. K.M.Subramanian
5.	Mechanical	Automotive	AICTE-PMKVY	II installment Rs.4,860	Sep 2017	M.V.Muthukumar
6.	ECE	Telecom-Sub-Sector-Handset (T)-Optical Fiber Technician	AICTE-PMKVY	Rs.72,900 II installment	Sep 2017	Dr.R. Kalavani Jothimani Renugadevi
7.	MCA	Apparel	AICTE-PMKVY	Rs.87,000 II installment	Sep 2017	Dr.G.Lalli
8.	Chemical	Entrepreneurship Development Activity	DST NIMAT New Delhi	0.10 lakh (I <sup>st</sup> Instalment)	29.6.2017	Dr.P.Akिलamuthan Professor
9.	EEE	National Seminar on Avenues and Opportunities of OLED in Engineering & Research	TNSCST, Tamilnadu	0.20 lakh	10.07.2017	Mr.G.S.Sathees Kumar, AP/EEE
10.	MCA	Science Exhibition for School Students	TNSCST	0.20 lakh	25.10.2017	Dr. M. Thangavel Ms. K.S. Saratha Mr. A. Rajesh
11.	MBA	Women Entrepreneurship Development through making low cost sanitary napkins for the rural women SHGS in Erode Dt.	TNSCST	Rs.54,000	18.08.2017	Dr. K.T. Kalaiselvi
12.	MCA	Transgender economic empowerment initiative programme through computer	TNSCST, Chennai under DIT scheme	Rs.46,500	05.11.2017	Dr. M. Thangavel Mr. A. Rajesh

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		aided training				
13.	Computer Applications	A state level exhibition and competition on innovative android apps in healthcare, education and personal security	TNSCST, Chennai	Rs.20,000	04.01.2018	Dr.J. Vandarkuzhali
14.	Maths	National level seminar on Numerical techniques for partial differential equations	CSIR	20,000	21.11.2017	Dr.P.G.Palanimani & Ms.M.S.Devimani
15.	EEE	Institutional quality enhancement and sustenance for higher education in rural areas	NAAC	50,000	20.09.2017	Prof. M.Shyamalagowri
16.	Chemical	Process for disposal of waste propellants and chemicals	DRDO	20,000	20.02.2018	Induja, Asst Prof. Reetabai, Asst Prof
17.	Chemical	Photo catalyst for clean environment	CSIR	20,000		Usharani, Asst Prof
18.	CSE	Virtual reality and its application to healthcare industry	ICMR	40,000	24.09.2017	Dr.V.Venkatachalam, Ms.K.Kavitha & Ms.Kalaiselvi
19.	MCA	Transgender economic empowerment initiative programme through computer aided training	TNSCST, Chennai under DIT scheme	46,500	27.10.2017	Dr. M. Thangavel Mr. A. Rajesh

**DETAILS OF PROJECT SANCTIONED FOR STUDENTS**

S.No.	Department	Details of funding proposals	Funding agency	Amount sanctioned/ received/ Awards	Date of sanction	Co-ordinator (s) / Principal Investigator (s)
1.	ECE	Diagnosis chronic obstructive pulmonary Disease (COPD) using E-Nose Technology	FAER-Motorola	5000.00	03.02.2018	Faculty: Mr.M.Karthikkumar Students: Gowthami.S Dayana.A, Priya.V Thenmozhi.A.V
2.	Chemical	Formulation of eco-friendly detergent power from paddy husk ash	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Sreenivasan D Students: U. Upasanaa P. Nandhakumar Sankar Suganthan M. Syed Mohammed Razak
3.	Chemical	Water desalination and intense purification using reduced graphene oxide – zine oxide nano particle composites	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Mrs.T.Usharani Students: P.Hemalatha S.Bhagya Lakshmi E.Elamaparuthi R.Dinesh kumar
4.	Chemical	Experimental studies on influence of surfactants on sulfure dioxide capture in a packed bed reactor	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Ms.P.Manjula Students: Annakkamu N. Manikandan T. Eldho Kuriakose Mohammed Shafi V.
5.	Civil	Effect of vinyl acetate effluent in reducing heat of hydration of concrete	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Ms.M.Nivetha Students: S.Madhuraa P.Muralikrishnan V.Vidhya S.Viswanathan

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6.	Civil	Removal of excess Ca & Mg in Dalmiapuram using Vetiveria Zizaniodes and Terminalia Chebula	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Ms.L Mekala  Student: V Manopriya
7.	Mechanical	Design and Fabrication of flower tying machine	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Dr.P.Karunakaran Students: Sundharaj.A. Mohanram.S. Sowndriya.R. Vishnukumar.P.
8.	EIE	Smart circuit breaker for electrical substation	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Mr.Prabakaran K. Students: Arivu Prasad R. Ashok Kumar R. Ashokkumar V.
9.	MBA	A Study on people involvement in producing organic food products through kitchen garden	TNSCST, Chennai under student project scheme	Rs.10,000	10.4.2017	Faculty: Mr.D.Nidhyanath  Student: Mohana.R
10.	Chemical	Preparation and evaluation of aloe vera extract complex with phospholipids for cancer treatment	TNSCST Student Science project	Rs.10,000	3.2.18	Faculty: Mr. M.P.Murugesan Students: Gopinath R. Karthi R. Anand Kumar A Maheswari G
11.	Chemical	Removal of chemical spill using biobot	TNSCST Student Science project	Rs.10,000	3.2.18	Faculty: Dr. K.Muthamizhi Students: Lifi Johny Anand Satheesh Chandran Manikandan Nivas

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12.	EEE	Fuel free magnetic ripple vehicle	TNSCST Student Science project	Rs.10,000	3.2.18	Faculty: Mr.S.P.Dwarakesh Students: Anandhan P Arul Kumar P Premalsamy S
13.	MBA	An analysis on impact of key Entrepreneurial skills on business success of rural micro entrepreneurs	TNSCST Student Science project	Rs.10,000	3.2.18	Faculty: Dr.K.T.Kalaiselvi Students: Abinaya P



## Consultancy Activities

S. No	DATE	NAME OF THE COMPANY	RECEIPT NO	AMOUNT
1	04.04.2017	Chennimalai panchayat, BT Test	17ES00079	600
2	20.04.2017	Panchayat Union, Umarediyur	17ES000696	600
3	03.05.2017	Senthur velan –Bhavanisakar BT test	17ES001365	600
4	10.05.2017	ECMC, Erode providing park & play fields@sivan Nagar	17ES001838	6400
5	16.05.2017	(GPS) Samynathan Chennimalai	17ES002006	1000
6	16.05.2017	(GPS) Sanmugashundaram Chennimalai	17ES002005	1000
7	16.05.2017	(GPS) Banugopal Chennimalai	17ES002004	1000
8	19.05.2017	BOD Anthiyur Panchayat Union	17ES002141	1200
9	31.05.2017	J.Jayakenthan, AE Chennimalai Pachayat	17ES002567	900
10	06.06.2017	G.Sumathi , Commissioner Bhavanisagar	17ES002780	600
11	06.06.2017	Assistant Engineer Sathiyamangalam	17ES002781	1600
12	01.07.2017	Engampalli Panchayat	17ES003524	2400
13	06.07.2017	ECMC Water Test	17ES003885	300
14	06.07.2017	Bhargur Panchayat	17ES003886	600
15	04.07.2017	Assistant Engineer, TN Palayam Panchayat	17ES005308	600
16	05.08.2017	A.Sundram Commissioner, Anthiyur	17ES005309	600
17	21.08.2017	Er.K.Krishnamoorthi palayam Modakuruchi	17ES005533	600
18	21.08.2017	Er.K.Krishnamoorthi palayam Modakuruchi	17ES005534	600
19	23.08.2017	Modakuruchi Panchayat	17ES005687	600
20	28.08.2017	Athi Builders	17ES005819	700
21	05.09.2017	P.Basker DCE ECMC-Zone II	17ES006217	9400
			17ES006218	
			17ES006219	
22	11.09.2017	Mr.T.Kannan, S.T.Suresh Perundurair R.S.(GPS)	17ES00624	1000
23	14.09.2017	Sir. Murugan Temple, Seenapuram	-	200

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24	06.10.2017	Srea Rengaragan Ispact, Sipcot- Perundurai	17ES0062	800
25	06.10.2017	Mix Design, KKT Agencies, M20-20mm, 40mm	17ES006931	2000
26	07.10.2017	Sieve Analysis test –M-Sand (TPK)	17ES007001	500
27	07.10.2017	Sri Balaji Constrctions, Modakuruchi	17ES006930	2100
28	12.10.2017	Balu &CO, Sathy, BDO Thalavadi	17ES007203	600
29	14.10.2017	ADE,NH, Udagamandalam Binder Test	17ES007259	600
30	02.11.2017	Rathna & CO,TN Palayam WMM,BM&SC	17ES008202	1500
31	14.11.2017	KKT &CO, Erode	17ES008422	8100
			17ES008421	6900
32	20.11.2017	Bhavanisagar panchayat Binder content	17ES008659	600
33	20.11.2017	GPS- Survey	17ES008675	500
34	21.11.2017	P.C.Marappan, Cube test Perundurai	17ES008676	600
35	24.11.2017	K.M.Ramasamy, Namakkal	17ES008986	600
36	11.12.2017	P.C Marappan, Perundurai	17ES010597	600
37	15.12.2017	Chennimalai Panchayat	17ES010596	600
38	22.12.2017	Chennimalai Panchayat	17ES010940	600
39	22.12.2017	Chennimalai Panchayat	17ES010941	600
40	09.01.2018	Bhavanisagar Panchayat	17ES012003	600
41	31.01.2018	DRDA, Erode	17ES012638	1200
42	08.02.2018	Chennimalai Panchayat	17ES013033	600
43	08.02.2018	Nambiyur Panchayat	17ES013465	600+600
44	09.02.2018	R.Mohanraj & Co	17ES013095	3000
45	13.02.2018	Chennimalai Panchayat	17ES013465	600
46	10.06.2017	Chemplast - Sanmar	020233	80000
47	10.101.2017	Chemplast - Sanmar	960867	64000
48	22.11.2017	Chemplast - Sanmar	961055	64000
49	30.11.2017	Chemplast - Sanmar	961123&020557	32000+20000
50	18.06.2018	Chemplast - Sanmar	02082	56000
<b>Total in RS.</b>				<b>Rs. 3,84,100.00</b>