



## **SETHU INSTITUTE OF TECHNOLOGY**

An Autonomous Institution | Affiliated to Anna University, Chennai

Pulloor – 626115, Kariapatti Taluk,  
Virudhunagar District, Tamil Nadu.

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### **INTERNAL QUALITY ASSURANCE CELL**

## **Annual Quality Assurance Report 2017 - 18**

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**Submitted to**  
**National Assessment and Accreditation Council**  
**Bangalore, India**

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**The Annual Quality Assurance Report (AQAR) of the IQAC**  
**(For Autonomous Colleges)**

**Part – A**

**Data of the Institution**

1. Name of the Institution : SETHU INSTITUTE OF TECHNOLOGY

- Name of the Head of the institution : Dr.A.SENTHIL KUMAR
- Designation : Principal
- Does the institution function from own campus: YES
- Phone no./Alternate phone no. : (04566) 308001, 304600
- Mobile no. : +91 9443564850
- Registered Email : principal@sethu.ac.in
- Alternate Email : principaloffice@sethu.ac.in
- Address : Pulloor, Kariapatti Taluk
- City/Town : Virudhunagar District
- State/UT : Tamil Nadu
- Pin Code : 626115

2. Institutional status:

- Autonomous Status ( *provide the date of Conformant of Autonomous Status*):  
: 17-18-2012
- Type of Institution: Co-education/Men/Women : Co-education
- Location : Rural/Semi-urban/Urban : Rural

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing

**Self financing Institution recognized by UGC under section 2(f) and 12(B)**

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (if any)
(i) UGC 2(f)	19-10-2010	UGC Letter F. No: 8-274/2010 (CPP-I/C) dated 19-10-2010
(ii) UGC 12(B)	17-12-2014	UGC Letter F.No:8-274/2010 (CPP-I/C) dated 17-12-2014

(Certificates of recognition u/s 2 (f) and 12 (B) of the UGC Act are enclosed in Annexure 1.1 & 1.2)

- Name of the IQAC Co-ordinator/Director : Dr.A.MERLINE  
(Dean-Planning and Development)
- Phone no. /Alternate phone no. : (04566) 308001 (Extn. 207)
- Mobile : +91 9976885282
- IQAC e-mail address : iqac.sit@sethu.ac.in
- Alternate Email address : merline@sethu.ac.in

3. Website address : www.sethu.ac.in

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

[www.sethu.ac.in/IQAC/AQAR\\_2016-17.pdf](http://www.sethu.ac.in/IQAC/AQAR_2016-17.pdf)

4. Whether Academic Calendar prepared during the year?

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

Weblink: <http://sethu.ac.in/category/academic-calendar/>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	A	3.10	2016	from:17.03.2016 to: 16.03.2021

6. Date of Establishment of IQAC : 27.03.2015

**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
Academic Audit	23.06.2017	All Departments
Participation in NIRF	November 2017	Submitted details for NIRF Ranking

Item / Title of the Quality Initiative by IQAC	Date & duration	Number of Participants / Beneficiaries
Preparation of Autonomous Review Visit by Anna University	4 <sup>th</sup> to 9 <sup>th</sup> Dec 2017	-----
Stakeholders Feedback for Curriculum Design	May & June 2017	-----
Students Feedback for Faculty Evaluation	December 2017 & April 2018	-----
Students Feedback for the assessment of attainment of COs	December 2017 & April 2018	-----
Alumni and Employers Feedback for the assessment of attainment of POs and PEOs	June 2018	----
Workshop on Pedagogy for Outcome Based Education	13.10.2017 & 14.10.2017	34
	06.02.2018 & 08.02.2018	46
<b>Internal Quality Assurance Initiatives Meetings of Heads of the Departments and senior faculty members of the Departments to institutionalize the quality assurance initiatives according to NBA and NAAC criteria</b>		
NBA preparation meeting (MECH,EEE &IT)	20.12.2017	50 to 60 Faculty Members
FN : Presentation on Qualitative Assessment of attainment of POs for 2013-2017 Batch (MECH,EEE &IT)	28.12.2017	
AN : Presentation on CO-PO/PSO mapping by Dean P&D		
Prsentation on Innovation in Teaching and Learning Process by Dean P&D	08.01.2018	
Presentation on Quality of Qeustrion papers and Student projects by Dean P&D	18.01.2018	
CO-PO/PSO mapping of courses of IT department	15.02.2018	
Prsentation of Goal Statements by HoD/Mech & HoD/EEE & Goal Statements by HoD/CSE & HoD/ECE	07.03.2018	
Prsentation on Articulation Matrices by HoD/Mech, HoD/EEE & HoD/IT	21.03.2018	
Presentation Articulation Matrices by HoD/CSE & HoD/ECE	28.03.2018	
Presentation on Articulation Matrices by HoD/ECE & HoD/EEE	13.04.2018	
Discussion on NAAC Criterion 1 - Curricular Aspects	04.04.2018	

Item / Title of the Quality Initiative by IQAC	Date & duration	Number of Participants / Beneficiaries
Discussion on NAAC Criteria II -Teaching - Learning and Evaluation	02.05.2018	50 to 60 Faculty Members
Discussion on PO attainment analysis (CSE,ECE & CIVIL)	15.05.2018	
IQAC Meeting 1	08.09.2017	Members of the Committee
IQAC Meeting 2	15.05.2018	

8. Provide the list of Special Status conferred by Central/ State Government - UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Dr. A. Senthil Kumar Dr. K. Sakthipandi Dr. G.D. Sivakumar Dr. A. Merline	Fund for Improvement of S&T Infrastructure	DST	2017 (Five Years)	Rs.110 Lakhs

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

\*upload latest notification of formation of IQAC

<http://sethu.ac.in/iqac-functions-and-composition/>

10. No. of IQAC meetings held during the year: 02

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....Yes

Web-link: <http://sethu.ac.in/iqac-functions-and-composition/>

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

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

Institutionalizing the Quality Assurance practices as per NBA and NAAC Criteria

- Faculty training on Outcome Based Education
- Coordinating activities for the Autonomous Review Visit by Anna University and UGC
- Coordinating Academic Audit
- Discussion about the Revised Accreditation Format for NAAC Accreditation to create awareness among the faculty members

- 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

<b>Plan of Action</b>	<b>Achievements/Outcomes</b>
To submit application for Autonomous Review process to Anna University and UGC	Application submitted and Anna University visit was conducted on 11.12.2018
To receive more funds from funding agencies for organizing seminars/workshops	All the Departments applied for funding for Research and for organizing seminars / workshops
To establish MoU with research organization	Efforts are being taken to establish MoU with CECRI, Karaikudi
To improve Internal Revenue Generation by the Departments	A separate IRG Cell is formed and more efforts were taken for revenue generation
To encourage more innovation among students	Students were encouraged to participate in Innovation contests conducted by different organization

The activities are carried out as per the above plan of actions and were reviewed in the suitable forums and meetings such as Class Committee meetings, Department Faculty meetings, Program Assessment Committee meetings, Department Advisory Board meetings, Institute Level Faculty Meetings, Institute Level Committee meetings, Staff Council meetings, IQAC meetings, Academic Council meeting, Governing Council meeting and other stakeholders meetings.

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

Name of the Statutory body: IQAC      Date of meeting(s): 17.12.2018

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

Yes/No: **No**

Date: -

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

Year: 2017-2018

Date of Submission: 25.01.2018

- 17.** Does the Institution have Management Information System? **Yes**

The College Automation Software, Educational Resource Management System (ERMS), is partially implemented with the following features:

- Admin Office can have the details of Students Admission, faculty profile and faculty attendance.

- Accounts Section can have the details of Student Fee collection, faculty pay roll generation, etc.,
- All activities related to Exam Cell (Generation of hall ticket, Mark sheet, publishing results, etc.,) are carried out.
- Details of Faculty course allocation, internal marks, student attendance etc. can be obtained.
- All students can access their attendance and marks in the Student Portal



## **Part-B**

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 Curriculum Design and Development**

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

<b>Name of Programme</b>	<b>Programme Code</b>	<b>Dates of revision</b>
B.E. MECH	UME	30.06.2017
B.E. CSE	UCS	30.06.2017
B.E. ECE	UEC	29.06.2017
B.E. EEE	UEE	29.06.2017
B.Tech. IT	UIT	30.06.2017
B.E. CIVIL	UCE	28.06.2017
B.Tech. CHEMICAL	UCH	28.06.2017
B.E. AGRICULTURE	UAG	30.06.2017
B.E. BIOMEDICAL	UBM	29.06.2017

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

<b>Programme with Code</b>	<b>Date of Introduction</b>	<b>Course with Code</b>	<b>Date of Introduction</b>
B.E. MECH UME	1995	Business English and Presentation Skills (15UEN201)	28.06.2017
		Computer Aided Drafting and Modeling (15UME211)	
		Machine Drawing (15UME406)	
		Reasoning and Quantitative Aptitude (15UGS431) - Common to all Branches	
		Manufacturing Technology (15UME403)	
		Design of Jigs, Fixtures & Press Tools (15UME905)	
		Refrigeration and Air conditioning (15UME916)	
		Metallurgy (15UME509)	
		Computer Aided Analysis (15UME706)	
		Soft Skills and Communication – Common to all Branches	
B.E. CSE UCS	1995	Internet and Web Technology	30.06.2017
		Mobile Applications Development	
		Building Internet of Things	
		Software Testing	
B.E. ECE - UEC	1997	Internet of Things	29.06.2017

B.Tech. IT UIT	1999	PC Troubleshooting	21.06.2017
		Web Programming with PHP	
		Android Programming	
B.E. CIVIL UCE	2007	Computer aided building drawing	28.06.2017
		Estimation, Costing and Valuation Engineering	
		Software Applications Laboratory	
		Practical Valuation	
		Design of Multistorey Building – A Practical Approach	
		Computer aided Building Drawing	
		Practical Valuation	
B. Tech. Chemical UCH	2015	MATLAB for Chemical Engineering	28.06.2017
		Enzymes for Environmental applications	
		Waste recycling from pulp and textile mills	
		Dry Cement manufacturing process	
		Sugarcane processing and its products	
B.E. AGRI UAG	2016	Farm Tractors	30.06.2017
B.E. BioMedical UBM	2016	Diagnostic and Therapeutic Equipment's – I	29.06.2017

## 1.2 Academic Flexibility

### 1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of Introduction
<b>COMPUTER SCIENCE ENGINEERING</b>	
Machine Learning Algorithms	30.06.2017
Business Intelligence and its applications	30.06.2017
Software Testing	30.06.2017
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>	
Linear Control Engineering	29.06.2017
Advanced Digital System Design	29.06.2017
Internet of Things	29.06.2017
Advanced Wireless technologies	29.06.2017
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>	
Computer Aided Design of Electrical Apparatus	29.06.2017
Controlling and monitoring of Electrical Equipment's using Mobile applications	29.06.2017
Energy Storage Systems	29.06.2017
Electrical Rewinding Laboratory	29.06.2017
<b>INFORMATION TECHNOLOGY</b>	
Python Programming (Professional Elective)	21.06.2017
Learning IT Essentials by Doing (Open Elective)	21.06.2017

Foundation Program 5.0 (One Credit Course)			21.06.2017			
CIVIL ENGINEERING						
Real Estate Properties and Regulation			28.06.2017			
Smart cities			28.06.2017			
Health Monitoring of Structures			28.06.2017			
Building Energy Audit			28.06.2017			
Durability of concrete structures			28.06.2017			
Constitutive models and modes of failures			28.06.2017			
Smart materials and smart structures			28.06.2017			
CHEMICAL ENGINEERING						
MATLAB for Chemical Engineering			28.06.2017			
AGRICULTURE ENGINEERING						
Tillage and Sowing Equipments			30.06.2017			
Plant Protection and Harvesting Equipments			30.06.2017			
Tillage and Sowing Equipments laboratory			30.06.2017			
Plant Protection and Harvesting Equipments			30.06.2017			
BIOMEDICAL ENGINEERING						
Project Design Laboratory			29.06.2017			
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.						
Name of Programmes adopting CBCS		UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.E. MECH	✓		From 2015-2016 Academic year onwards	✓		
B.E. CSE	✓			✓		
B.E. ECE	✓			✓		
B.E. EEE	✓			✓		
B.Tech. IT	✓			✓		
B.E. CIVIL	✓			✓		
B.Tech. CHEMICAL	✓			✓		
B.E. AGRICULTURE	✓			✓		
B.E. BIOMEDICAL	✓			✓		
M.E. CAD/CAM		✓				✓
M.E. CSE		✓				✓
M.E. COMM.SYS		✓				✓
M.E. PED		✓				✓
M.E. STRU.ENG		✓				✓
1.3 Curriculum Enrichment						
1.3.1 Value-added courses imparting transferable and life skills offered during the year						

Value Added Courses	Date of Introduction	Number of students enrolled
COMPUTER SCIENCE ENGINEERING		
Android Development	13.10.2017	50
ELECTRICAL AND ELECTRONICS ENGINEERING		
Domestic & Industrial wiring Fault Detection &rectification	08.08.2017	134
PCB Design & Fabrication	10.08.2017	134
INFORMATION TECHNOLOGY		
Web Programming with PHP	21.06.2017	16
Android Programming - I	21.06.2017	31
CIVIL ENGINEERING		
Total station surveying	08.08.2017	49
Revit architecture	31.07.2017	52
BIOMEDICAL ENGINEERING		
Introduction to MATLAB	29.06.2017	46
Medical Coding	29.06.2017	44
1.3.2 Field Projects / Internships under taken during the year		
Field Projects		
Project/Programme Title	No. of students enrolled for Field Projects	
MECHANICAL ENGINEERING		
Productivity Improvement	3	
Design of bead spot wrap machine using in type manufacturing.	3	
Reduction of engagement reduction in Gearbox	3	
Determination a optimizer of non-value added activity from the inward to outward section of the warehouse	3	
Design of integrated drum change for 17” and 18” semi auto tyre building machine.	3	
Increasing the cooling effect and the thermal efficiency of ice cream candy making machine	3	
An investigation and weld characterization of dissimilar joints of alloy steel with SS 409 through flux cored arc welding	3	
Man power productivity improvement through operator working time study	2	
Design of dustless mechanical ventilation using jet fans for basement car parks	2	
Tyre bulging defect elimination	3	
BA/PA common nizing	3	
Detection and implementation of combined process of knurling and threading	3	

Optimization of cycle time in BTEU-TBM	3
Cycle time reduction in dummy piece preparation by multi rod and tube cutting fixture	3
Elimination of bearing face damage	3
Energy reducing by optimization of bolt manufacturing machine	3
Solve the complication in the edge preparation of finished header pipe	3
Value stream mapping	2
Design and analysis of center bearing system	3
Energy audit for performance apparasial and conservation in the refregeration and deep freezer	3
Increasing the production rate by modelling the transfer arm spring in bolt forging machine	3
Forced draft cooling tower	3
Design and analysis of modified conveyor	3
Kneader twisting using slider crank mechanism	3
Improvement of gas turbine performance based on inlet air cooling system	3
Brake indication system Inbagslr	3
Heat reduction of axel bearing	3
Time reduction through effective optimization of forging process	3
Improving the knurling die life using surface coating method	3
Improvement of chain conveyor	3
Optimization of milk pasteurization process by using steam operated pump trap	3
Design and analysis of motorized sliding gate in waste gate recovery boiler	3
Design of switch panel	3
Increasing performance of gas turbine using earth tube heat exchangers	3
Sand filtration system in Sugar Industry.	3
Design and manufacturing of fixture for machining of gate valve 38” C600 seat ring	3
<b>COMPUTER SCIENCE ENGINEERING</b>	
Centralised Resource Management System for Oldage Home	3
Billing Software	2
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>	
The Novel Water Harvesting Technique For Fishermen and Costal Area using Hybrid Power Source	3
Study of Speed Control for External Conveyor Using VFD During ideal run in thermal power plant.	4
<b>INFORMATION TECHNOLOGY</b>	
Work Environment Management	1

<b>CIVIL ENGINEERING</b>	
Corrosion monitoring and prevention in concrete structures	1
<b>CHEMICAL ENGINEERING</b>	
Swachh Bharath Summer Internships done in Arasakulam.	16
<b>INTERSHIPS</b>	
<b>Project/Programme Title</b>	<b>No. of students enrolled for Internships</b>
<b>MECHANICAL ENGINEERING</b>	
Industrial Corrosion Protection, Acrotec, Dubai	1
Code Bind Technologies, Coimbatore	2
<b>COMPUTER SCIENCE ENGINEERING</b>	
Sify, Chennai	1
HCL Technologies, Madurai	1
Aspire Systems, Chennai	2
Amphisoft, Coimbatore	1
L-Cube Innovative Solution, Chennai	3
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>	
CodeBindTechnologies, Coimbatore	8
StyxInfothech, Bangalore	1
Amogaa Products Pvt Ltd, Madurai	5
Mistral Solutions Pvt Ltd, Bangalore	1
Zebros Electronics India Pvt Ltd	2
ZF Electronics TVS(India) Pvt Ltd, Madurai	1
Tabono Sports & Event Pvt Ltd	1
Aspire Systems India Pvt Ltd	2
StyxInfothech, Bangalore	1
Vuram Technology Service Pvt Ltd	1
Dot Com Infoway Ltd, Madurai	4
HP Software University, Chennai	9
The Zigma Technologies India Pvt Ltd	1
VDIME Innovative Works Pvt Ltd	1
Sharp Gaze Tech services Pvt Ltd	1
Amogaa Products Pvt Ltd, Madurai	5
BSNL, Madurai	46
CodeBind Technologies, Coimbatore	7
Elysium Technologies, Madurai	4
Railnet Software solutions	6
Kaashiv Info Tech, Chennai	3
Gift Smile Dental Centre	1
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>	
BSNL, Madurai	41

Jothi Electricals & Rewindings	5
FOAMS(Federation of Automotive Motor Sport)	4
TNEB(Tamil Nadu Transmission Corporation Ltd)	14
One Yes Technologies	3
<b>INFORMATION TECHNOLOGY</b>	
Buddy health	1
Vuram Technology	1
Jade Focus	1
Abserve	1
<b>CIVIL ENGINEERING</b>	
Sewage treatment Plant, Avaniyapuram	14
Jayabharath Home private limited, Umachikulam	5
Space designers & constructions, Chennai.	6
Max Properties,Madurai	5
Southern Railway,Madurai	5
Barakath Constructions, Kariapatti.	7
Uniq technologies, Chennai.	5
Swan Consulting Civil Engineers, Chennai	3
Thirumalai Builders,Thirumanagalam	1
G.K.Shetty builders, Chennai.	1
CADD Master 5C, Madurai.	7
LK Structural consultants, Madurai.	2
Hani Engineering Private limited, Chennai.	1
Madura bricks, Madurai.	2
Er.A.Athithan, Consulting Civil Engineers, Theni.	1
Southern Railway	40
Highways Department, Dindigul	3
UnicAssociates,Chennai	5
GladwayHousing, Madurai.	1
MuthuConstruction, Madurai.	3
T.S.Janarthan Structural Engineer, Madurai.	3
R P Construction, Madurai.	3
Er N.Baskaran, Madurai	1
UG Constructions, Chennai.	6
SrinivasanAssociates, Coimbatore.	1
D M Construction,Madurai.	1
Uniq Technologies, Chennai	1
N.M.S Shiyam,Madurai,	1
National Highways Authority of India, Karaikudi	8
Sethu Construction, Madurai.	1
JkayAssociates, Madurai.	1
VelConstruction, Madurai.	2

Southern railway-Madurai division	5
‘Sri KanahaConstruction, Madurai.	3
DE Zodiac Erecters, Madurai.	3
Krishna Enterprises, Bangalore.	3
Gopal Construction, Thirumangalam	1
MallikaConstruction, Chinnamanur	10
PandiyanConstruction, Karaikudi.	1
Public Works Department, Sivaganagai	5
Rural Development &PanchayatRaj, Aundipatti.	13
Vel Bricks, Madurai	6
M.Arunachalam Projects and Infrastructure Limited, Chennai.	1
SarojAssociates, Arrupukottai	8
Public Works Department, Madurai.	8
G Construction Virudhunagar.	3
PSK Engineering Contractors, Mangalore.	1
KRS Builders, Madurai.	1
Civil Point Engineers &valuers, Madurai.	1
VPK Construction, Coimbatore.	1
R K Construction, Madurai.	1
Hayakriva Associates &Builders, Madurai.	1
AkshayaPriviteLimited, Chennai.	4
Ganesh Construction, Kariapatti.	12
S K Y 5 Builders, Madurai.	2
ErG.Saravanan, Madurai.	1
AswadPromoters, Madurai.	1
N J K Engineering &Buiders, Madurai.	13
Public Works Department, Virudhunagar.	4
Sivakasi Municipality board, Sivakasi	12
Public Works Department, Aruppukottai	10
M.Subramanian Civil Engg Contractor	1
Sumanth&Co, Chennai.	3
UNIQ TECHNOLOGIES, Chennai	9
A K Construction, Theni.	9
Er.Muneeswaran Approved Valuer & Structural Consultant, Madurai	14
ErT.Ramakrishnan, Madurai.	1
<b>CHEMICAL ENGINEERING</b>	
DCW Limited, Sahupuram P.O, Thoothukudi Dist. Tamilnadu.	4
ACC Limited, Madukkarai Cement Works, P.O. Madukkarai Tamilnadu.	3
TNPL, Modipatti, K. Periyapatti Post, Manapparai TK. Trichirapalli Dt.	1
<b>AGRICULTURE ENGINEERING</b>	
Aavin Milk Company, Madurai	8



## 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	Yes	Yes	Yes	Yes

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

Feedbacks are collected from all the stakeholders periodically and analyzed. The feedback on Curriculum design aspect is collected annually from students, faculty, alumni, parents and employers. The necessary improvements to be made in the curriculum are discussed in several forums such as Program Assessment Committee, Department Faculty Meeting and Department Advisory Board.

The Board of Studies recommends the curriculum for approval by Academic Council. Suggestion of the Alumni members are collected through feedbacks and are incorporated in the curriculum development and infrastructural development. Every semester the students give feedback about the Course, the Course Instructors and the Course Outcomes. Suggestions are obtained from the graduating students about the attainment of Program Outcomes and analyzed to assess the attainment of Program Outcomes. Employers also give feedback about the alumni working in their organization regarding the attainment of Program Outcomes. The assessment of attainment of Program Educational Objectives is done through the feedback collected from the alumni and the employers after 4 to 5 years of graduation. During campus recruitment feedback is obtained from the recruiters about the performance of students.

Parents meetings are conducted every semester to get feedback from the parents. The suggestions of the Parents, regarding academic performance, placement, infrastructure facilities, etc., are discussed in the Parent Teachers meetings. The issues are directly taken care of by the Principal and the Management. The grievances are well received and remedial actions are taken. Faculty also gives self-evaluation about the teaching learning- evaluation and this is used for the faculty performance appraisal and for making improvements in the teaching learning process. Feedback of the students helps to modify the teaching and learning methodologies. Corrective measures are initiated based on the feedback.

The students evaluate the faculty members twice a semester, once in the middle of the semester and the other at the end of the semester. The mid-semester feedback is a descriptive one and the end semester feedback includes factors like:

- Presenting the Course in a well organized manner
- Stimulating interest in the course
- Explaining the Course content very clearly
- Asking questions to promote interaction and reflective thinking
- Using appropriate content delivery methods
- Clarifying all the doubts
- Offering compliments for creativity
- Engaging the class regularly and maintaining discipline
- Returning the valued answer scripts promptly providing feedback on the performance
- Covering the entire syllabus at appropriate pace

## CRITERION II -TEACHING-LEARNING AND EVALUATION

### 2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG Programme	1140	985	985
PG Programme	90	28	28

### 2.2 Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	985	28	310	-	310

### 2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
310	247	LCD Projector, Google Classroom, Moodle, Kahoot	8	11	NPTEL videos, Youtube, Online ebooks, e-journals

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

#### Mentoring System

The College provides mentoring through the mentoring system. The mentor is a faculty member who takes care of 15-20 students and gives counseling and guidance to them towards their development and betterment in their academic and non-academics such as sports, extracurricular, co-curricular, behavioral and psychological phenomena. A professional counsellor is also available at the campus to provide necessary guidance to the students. Slow learners are identified and counseled by the mentor and the Head of the Department on need basis.

The mentors maintain a Mentor Diary for each student from the first semester, which contains the personal details of the students. The diaries are reviewed to analyse their family, financial and educational backgrounds, to identify the sort of assistance needed by them. The diary is periodically updated with Internal Assessment Test marks and University Examination performance details.

The mentors periodically interact with their wards to discuss personal/academic issues. They provide the required counseling and directions to the students to resolve them. The mentors also determine the need for special counseling and recommends for external counseling through the professional counselor who periodically visits the college.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
4670	310	1:15.06

## 2.4 Teacher Profile and Quality

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

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
263	310	-	57	70

### 2.4.2 Honours and recognitions received by teachers

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

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
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#### **MECHANICAL ENGINEERING**

Dec 2017	Dr. A. Senthil Kumar	Professor/ Principal	Certificate for outstanding contribution in reviewing Int. J. Mech. Sci. (Elsevier)
Jan-Jun 2018	Mr.Selvabharathi	Assistant Professor	Certificate for outstanding contribution in reviewing (Elsevier)
	Dr. K. Vinayagar	Associate Professor	Mentor (NPTEL)
	Mr. B.Muthuchozha rajan	Assistant Professor	Mentor (NPTEL)
	Mr. A.Saravana Kumaar	Assistant Professor	Mentor (NPTEL)
	Mr. M.Pasumpon	Assistant Professor	Mentor (NPTEL)
	Mr. G .Venkatesan	Assistant Professor	Top Performing Mentor(NPTEL)
Feb- 2018	Dr. C. Muthusamy	Professor	Appreciation Award (ISHRAE) – Indian Society of Heating and Refrigeration Air conditioning Engineering
	Mr. S. Saravanan	Assistant Professor	

#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

April 2018	Prof.Helina Rajini Suresh	Head & Professor	NPTEL Award - Top 5% of Certified Candidates
February 2018	Dr.A.Merline	Professor	Competent Leader Award- Toastmasters International Leadership

			Program
June 2018	Dr.R.Tamilselvi	Professor	IEI Fellowship
June 2018	Dr.M.Parisa Baham	Associate Professor	IEI Fellowship
April 2018	Mrs.M.Annalakshmi	Associate Professor	NPTEL Award - Top 2% of Certified Candidates
April 2018	Mrs.M.Fathu Nisha	Assistant Professor	NPTEL Award - Top 5% of Certified Candidates
February 2018	Mrs.S.Amalorpava Mary Rajee	Assistant Professor (SG)	Competent Communicator - Toastmasters International Communication Program
March 2018	Mrs.S.Amalorpava Mary Rajee	Assistant Professor (SG)	Competent Leader -Toastmasters International Leadership Program
March 2018	Mrs.P.Deepa	Assistant Professor (SG)	Competent Communicator - Toastmasters International Communication Program
<b><i>ELECTRICAL AND ELECTRONICS ENGINEERING</i></b>			
April 2018	Dr. A.Srinivasan	Prof & Head	Elite category award in NPTEL
	Dr.B.MeenakshiSundaram	Professor	
	Mrs. Jeyashanthi	Assistant Professor (S.G)	
	Mrs. K.Elavarasi	Assistant Professor	
<b><i>INFORMATION TECHNOLOGY</i></b>			
September 2017	Dr.S.Siva Ranjani	Professor	Competent Communicator, Toast Master International Communication Program
July 2017	C.Parameswari	Assistant Professor (SG)	
August 2017	D.Roja Ramani	Assistant Professor (SG)	Competent Communicator, Toast Master International Communication Program
			Outcome based Pedagogic Principles for Effective Teaching, NPTEL online Certification
			Inspire – The Campus Connect Faculty Partnership Model, Infosys, Chennai
			Computer Architecture and Organization, NPTEL online Certification
May 2017	G.Sivakumar	Assistant Professor (SG)	Research Methodology NPTEL online Certification
			Inspire – The Campus Connect Faculty Partnership Model,Infosys, Chennai
August 2017	S.V.K.Muthukumar	Assistant Professor	Outcome based Pedagogic Principles for Effective Teaching, NPTEL online Certification

May 2017	D.Nagendra Kumar	Assistant Professor	Programming Data structures and algorithms in C, NPTEL online Certification	
SCIENCE & HUMANITIES				
March 2017	Dr.K Sakthipandi	Associate Professor	Certificate for outstanding contribution in reviewing (Elsevier)	
October 2017	Dr.Lakshmanan Rajendran	Professor	Certificate for outstanding contribution in reviewing (Elsevier)	
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
NOVEMBER 2017				
B.E./B.TECH	UME, UCS, UEC, UEE, UIT, UCE, UCH, UAG, UBM	I	30.01.2018	18.02.2018
		III	08.12.2017	06.02.2018
		V	29.11.2017	06.02.2018
		VII	07.12.2017	06.02.2018
M.E./ M.TECH.	PCD, PCS, PCM, PPE, PSE	I	30.01.2018	18.02.2018
		III	04.12.2017	18.02.2018
APRIL 2018				
B.E./B.TECH	UME, UCS, UEC, UEE, UIT, UCE, UCH, UAG, UBM	II	13.06.2018	17.07.2018
		IV	19.05.2018	17.07.2018
		VI	18.05.2018	17.07.2018
		VIII	04.05.2018	10.05.2018
M.E./ M.TECH	PCD, PCS, PCM, PPE, PSE	II	13.06.2018	17.07.2018
		IV	13.04.2018	10.05.2018
2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year				
Number of complaints or grievances about evaluation		Total number of students appeared in the examination		Percentage
18		4549		0.395%
12		4560		0.263%
2.6 Student Performance and Learning Outcomes				
2.6.1 Program outcomes, Program Specific Outcomes and Course Outcomes				

for all programs offered by the institution are stated and displayed in website of the institution

Program outcomes, Program Specific Outcomes and Course Outcomes for all programs are stated and displayed in the Institution website <http://sethu.ac.in>

For example, the weblink of Information Technology department is mentioned below:

<http://sethu.ac.in/dept/IT/peo&pos.php>

## 2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
<b>MECHANICAL ENGINEERING</b>				
UME	UG	283	238	84.09%
PCD	PG	1	1	100%
<b>COMPUTER SCIENCE ENGINEERING</b>				
UCS	UG	176	161	91.48%
PCS	PG	6	6	100%
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>				
UEC	UG	230	193	83.91%
PCM	PG	3	3	100%
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>				
UEE	UG	190	163	85.79%
<b>INFORMATION TECHNOLOGY</b>				
UIT	UG	53	51	94.33%
<b>CIVIL ENGINEERING</b>				
UCE	UG	210	179	85.24%
PSE	PG	10	9	90%

## 2.7 Student Satisfaction Survey

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

Student Satisfaction Survey (SSS) are enclosed in Annexure II

Weblink: <http://sethu.ac.in/category/student-satisfaction-survey/>

### CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 Promotion of Research and Facilities

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

Yes..... No. .... **NO**

if yes give details

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
-	-	-	-

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Dr. Sakthipandi K	SRF – Summer Research Fellowship-	2018	Indian Academy of Science (IAS), Bangalore
	Dr.R.Tamilselvi	IEI Fellowship	2018	IEI
	Dr.M.ParisaBaham			
International	-	-	-	-

#### 3.2 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	2017-2022	DST	Rs.110 Lakhs	Rs.29 Lakhs
	2015-2018	DRDO ARMREB	RS.19,41,200/-	RS.6,89,200/-
	2016-2019	DST	Rs.16 Lakhs	Rs.5 Lakhs
	2017-2021	DST-SERB	Rs.27,34,600/-	Rs.15,78,200/-
	2017-2020	DST - SERI	Rs.40,29,300/-	Rs.25,60,600/-
Minor Projects	2016-2018	UGC	Rs.4,46,325/-	Rs.3,96,325/-
	2016-2018	UGC	Rs.3,65,000/-	Rs.3,05,000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects	6 months	TNSCST	Rs.10,000/-	Rs.10,000/-
	Jan 2018	TNSCST, Chennai	Rs.10,000/-	Rs.10,000/-

(other than compulsory by the College)				
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	Rs.221,36,425/-	Rs.89,49,325/-

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

Sl. No.	Name of faculty	Title of the Project	Fund Details	
1.	Dr. A. Senthil Kumar Dr. K. Sakthipandi Dr. G.D. Sivakumar Dr. A. Merline	Fund for Improvement of S&T Infrastructure	Amount Sanctioned	65.00 Lakhs
			Sponsored By	DST
			Duration	5 years (2017 – 2022) 19.2.17
2.	Dr.A.Srinivasan Mr.B.Meenakshi Sundaram	Recognition and Characterization of Solar Cell Defects using Combined Thermography Image and Reconfiguration Scheme”.	Amount Sanctioned	Rs.40,29,300/
			Sponsored by	(DST) - Solar Energy Research Initiative (SERI)
			Duration	2017-2020 (5/9/2017)
3.	Dr.S.Karthick Kumar	Investigation of Graphene modified metal oxides for solar selective absorber	Amount Sanctioned	27,34,600
			Sponsored by	DST - SERB
			Duration	2017-2021 (12.7.17)
4.	Prof. L.Rajendran Dr.P.G.Jansi Rani	Modeling of Non-Linear Convection-Diffusion Processes in Hydrodynamic Electrodes	Amount Sanctioned	16 Lakhs
			Sponsored By	DST
			Duration	3 years (2016 – 2019) (23.6.17)



5.	Mr.V.Kannan Ms.C.Sonia	Design and Development of Compact Electric Drive for Various Applications	Amount Sanctioned	Rs.19,41,200/-
			Sponsored by	DRDO ARMREB
			Duration	2015-2018 (6/4/2015)
6.	Dr.R.Kumutha	Cement Free Paver Blocks Using Fly Ash Based Geopolymer Composites	Amount Sanctioned	Rs.4,46,325/-
			Sponsored by	UGC
			Duration	2 Years – oct 2016
7.	Dr.K.Vijai	Development of Low Cost Roofing Elements for Rural Housing using Geopolymer Composites	Amount Sanctioned	Rs.3,65,000/-
			Sponsored by	UGC
			Duration	2 Years - oct 2016

### 3.3 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
InfoSys associated Faculty Enablement Program on “Foundation Program 4.0”	Computer Science and Engineering	06.11.2017 to 10.11.2017

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
-	-	-	-	-

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

Incubation Centre	Name	Sponsored by
-	-	-

Name of the Start-up	Nature of Start-up	Date of commencement
-	-	-

### 3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Mechanical Engineering	3
Computer Science and Engineering	1
Electronics and Communication Engineering	3

Electrical and Electronics Engineering		3				
General Engineering		1				
Science & Humanities		1				
3.4.2 Research Publications in the Journals notified on UGC website during the year						
	Department	No. of Publication	Average Impact Factor, if any			
International	MECH	20	1.901			
	CSE	12	1.162			
	ECE	17	1.772			
	EEE	11	0			
	IT	5	3.112			
	CIVIL	31	0			
	CHEMICAL	1	0			
	BIOMEDICAL	3	1.333			
	S&H	17	2.9			
3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department		No. of Publication				
Mechanical Engineering		8				
Computer Science and Engineering		11				
Electronics and Communication Engineering		34				
Electrical and Electronics Engineering		9				
Information Technology		14				
Civil Engineering		3				
Chemical Engineering		1				
Biomedical Engineering		3				
3.4.4 Patents published/awarded during the year						
Patent Details	Patent Status Published / Filed	Patent Number	Date of Award			
-	-	-	-			
3.4.5 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						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
A reversible fluorescent	G.G. Vinoth Kumar, M.P.	Sensors & Actuators: B	2018	8	Sethu Institute of Technology	7

chemosensor for the rapid detection of Hg <sup>2+</sup> in an aqueous solution: its logic gates behavior and live cell imaging	Kesavan, A. Tamilselvi, G. Rajagopal, J. Dhaveethu Raja, <b>K. Sakthipandi</b> , J. Rajesh, M. Sivaraman, Volume 273, pp. 305-315	Chemical				
Structural, optical, dielectric and magnetic studies of Gadolinium-added Mn–Cu nanoferrites	R. Rajesh Kanna, N. Lenin, <b>K. Sakthipandi</b> , <b>A. Senthil Kumar</b> , volume 453, pp. 78-90	Journal of Magnetism and Magnetic Materials	2018	5	Sethu Institute of Technology	5
Schiff base receptor as fluorescence turn-on sensor for Ni <sup>2+</sup> ions in live cells and logic gate application	G.G. Vinoth Kumar, M.P. Kesavan, M. Sankarganesh, <b>K. Sakthipandi</b> , J. Rajesh, G. Sivaraman	New Journal of Chemistry, Volume 42 pp. 2865-2873	2018	4	Sethu Institute of Technology	4
Magnetic iron oxide nanoparticles (MIONs) cross-linked natural polymer-based hybrid gel beads: Controlled nano anti-TB drug delivery application	M.P. Kesavan, S. Ayyanaar, V. Vijayakumar, J. Dhaveethu Raja, J. Annaraj, <b>K. Sakthipandi</b> , J. Rajesh	Journal of Biomedical Materials Research Part A, Volume 106, Issue 4, , pp.1039-1050	2018	3	Sethu Institute of Technology	3
Influence of Shot Peening and Plasma Ion Nitriding	<b>R.Selvabharathi</b> , <b>R Muralikannan</b>	Materials Science & Engineering A, Volume-	2018	2	Sethu Institute of Technology	2

on Tensile Strength of 2205 Duplex Stainless Steel using A-PAW		709, pp.232-240.				
Analytical solution of the convection-diffusion equation for uniformly accessible rotating disk electrodes via the homotopy perturbation method	<b>PG Jansi Rani, M Kirthiga, A Molina, E Laborda, L Rajendran</b> , Vol. 799, pp. 175-180	Journal of Electroanalytical Chemistry	2018	3	Sethu Institute of Technology	2
Physicochemical Properties of New Cellulosic Fiber extracted from CARICA Papaya Bark	<b>A Saravankumaar, A Senthilkumar, T Sornakumar, S SSaravana Kumar, V P Arthanariesewaran</b> , pp.1-8.	Journal Of Natural Fibers	2017	2	Sethu Institute of Technology	1
Impact of Alkali Treatment on Physio-Chemical, Thermalstructural And Tensile Properties of CARICA Papaya Fibers	<b>A Saravana Kumaar, A Senthil Kumar, S SSaravana Kumar, M R Sanjay</b>	International Journal of Polymer Analysis And Characterization, Volume-23, Issue-6, pp. 529-536	2018	1	Sethu Institute of Technology	1
A Study on Impact of Rework in a Manufacturing System	<b>G.D.Sivakumar, D. Sudarshan</b>	Journal of Computational and Theoretical Nano Science,	2018	1	Sethu Institute of Technology	1

using Lean Techniques		Volume 15, Number 3, pp.886-894				
A novel 3-D-IC test architecture-a review	<b>R Karthick</b> and Sundararajan, M	International Journal of Engineering and Technology, Vol.7 , No .1.1, pg (582-586)	2018	1	Sethu Institute of Technology	1
Design and Implementation of Low Power Testing Using Advanced Razor Based Processor	<b>R.Karthick</b> and Sundararajan, M	International journal of applied engineering research, Vol. 12 (17), pp.6384-6390.	2017	1	Sethu Institute of Technology	1
A reconfigurable method for time correlated MIMO channel with decision feedback receiver	<b>R.Karthick</b> , and Sundararajan, M	International journal of applied engineering research, Vol. 12, no. 15 (2017): 5234-5241.	2017	1	Sethu Institute of Technology	1
PSO based out of order execution scheme for HT-MPSOC	<b>R.Karthick</b> and Sundararajan, M	Journal of Advanced research in dynamical and control systems, Vol. 9 (2017) 1969.	2017	1	Sethu Institute of Technology	1
Cashews whole and splits classification using a novel machine	<b>S.Jenicka</b>	Postharvest Biology and Technology, Vol. 138, pp. 19-30	2018	1	Sethu Institute of Technology	1

vision approach						
Impact of alkali treatment on physico-chemical, thermal, structural and tensile properties of Carica papayabark fiber	<b>A Saravanakumaar, A. Senthil Kumar, S. S. Saravanakumar, M. R. Sanjay &amp; Anish Khan</b>	International Journal of Polymer Analysis and Characterization, DOI: 10.1080/1023666X.2018.1501931	2018	1	Sethu Institute of Technology	1
Study of the effect of Cu doping in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> perovskite materials employing on-line ultrasonic measurements	<b>P. Thamilmaran, M. Arunachalam, S. Sankarajan, K. Sakthipandi, M. Sivabharathy</b>	Journal of Magnetism and Magnetic Materials, Volume 443, pp. 29-35	2017	1	Sethu Institute of Technology	1
Facile preparation of diverse copper oxide nanostructures and their characterization	<b>N Murugesan, AM Remona, SK Kumar, S Suresh</b>	Materials Letters, Vol. 222, pp. 100-104	2018	1	Sethu Institute of Technology	1
Structural Analysis of Domestic Liquefied Petroleum Gas Cylinder using Banana Fiber Composite Material as	<b>K Sarbudeen, B Raja Mohamed Rabi, R Sirajudeen</b>	International Journal Of Scientific Engineering and Science, Volume-11, issue-1, pp.46-49	2018	0	Sethu Institute of Technology	0

per ASME Standards using FEA Software						
Implementati on of Kanban to Improve Efficiency of a Manufacturin g System Subject to Bottlenecks	<b>G.D.Sivakumar,</b> D. Sudarshan	International Journal of Manufacuring Technology, pp.1-180.1504/IJM TM.2017.100 10716	2018	0	Sethu Institute of Technology	0
Design Fabrication and Control of a Hexapod Robot	<b>K Kanimozhi, B Raja Mohamed Rabi</b>	International Journal of Mechanical and Production Engineering Research And Development (IJMPERD), Volume-8, issue-3, pp.519-524	2018	0	Sethu Institute of Technology	0
Yoga Enhanced CBT Stress Reduction: A Survey	<b>K Kanimozhi, B Raja Mohamed Rabi</b>	International Journal of Chemtech Research, Volume-11(02), pp.18-22	2018	0	Sethu Institute of Technology	0
Multi Response Optimization of Fabrication Parameters of Carbon Fiber-Reinforced Aluminium Laminates (CARAL):By Taguchi	<b>B Muthu Chozha Rajan, A Senthil Kumar, T Sornakumar, P Senthamaraikannan and M R Sanjay</b>	Polymer Composites, doi 10.1002/pc.24 815	2018	0	Sethu Institute of Technology	0

Method and Gray Relational Analysis						
Environmental effects of a single cylinder DI diesel engine fuelled with non-edible pongamia biodiesel feedstock used for agriculture	M. Rajasankar, K. Muralidharan, <b>K.Arun Balasubramanian</b> and Senthilkumar. D	International Journal of Pure and Applied Mathematics, Volume 118, No. 20, pp 1803-1808	2018	0	Sethu Institute of Technology	0
Effect of Tool Wear on Machining GFRP and AISI D2 Steel Using Alumina Based Ceramic Cutting Tools	M.AdamKhan, <b>A.SenthilKumar</b> , S.Thirumalai Kumaran, M.Uthayakumar, TaeJoKo	Silicon, <a href="https://doi.org/10.1007/s12633-018-9839-7">https://doi.org/10.1007/s12633-018-9839-7</a>	2018	0	Sethu Institute of Technology	0
Impact Response and Damage Characteristics Carbon Fibre Reinforced Aluminium Laminates (CARAL) under Low Velocity Impact Test	<b>B. Muthu Chozha Rajan, A. Senthil Kumar</b> , T. Sornakumar, S.S. Saravanakumar	Materials Today Proceedings, Vol.5 (9), pp. 20070–20077	2018	0	Sethu Institute of Technology	0
Structural, Electrical and Magnetic Properties of	N. Lenin, R. Rajesh Kanna, <b>K. Sakthipandi, A. Senthil Kumar</b>	Materials Chemistry and Physics, Volume 212,	2018	0	Sethu Institute of Technology	0



NiLaxFe2-xO4 Nanoferrites		Pages 385-393				
A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites	K Ganesan, <b>C Kailasanathan</b> , MR Sanjay, P Senthamaraiannan, SS Saravanakumar	Journal of Natural Fiber, <a href="https://doi.org/10.1080/15440478.2018.1500340">https://doi.org/10.1080/15440478.2018.1500340</a>	2018	0	Sethu Institute of Technology	0
Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique	G.Chandrasekar, <b>C. Kailasanathan</b> , and M. Vasundara	Journal of Manufacturing Processes, Vol. 35 pp. 466-478	2018	0	Sethu Institute of Technology	0
A Review of Surface Coating Technology to increase the Heat Transfer	S. Pungaiya and <b>C. Kailasanathan</b>	International Journal of Mechanical Engineering and Robotics Research, Vol. 7, No. 5, pp. 458-465	2018	0	Sethu Institute of Technology	0
Ricinus communis fiber as Potential Reinforcement for Lightweight	K.Nijandhan, <b>R.Muralikannan</b> and S. Venkatachalam	Journal of Material Research Express, Volume, 2018, Vol.5.pp.1-9	2018	0	Sethu Institute of Technology	0

Polymer Composites						
Impact of fuel injection advance on combustion and gas emissions in a TBC engine fuelled with honge bio-diesel	K. Muralidharan,M. Rajashankar,K. <b>Arun Balasubramanian</b> , D. Senthilkumar	ECO. ENV. & CONS., Volume-24 (March suppl.), pp.S37-S41	2018	0	Sethu Institute of Technology	0
Achieving energy efficiency using novel scalar Multiplication based ECC for Android devices in IOT environment	<b>K.Sathish Kumar</b> , R.Sukumar	Cluster computing – Springer Science, DOI.org/10.1007/s10586-017-1542-8	2017	0	Sethu Institute of Technology	0
Ascent Plunge Methods for Seclusion Preserving	<b>P.Ithaya Rani</b> , S.Mahalakshmi, A.Manjula, V.Merlin Freeda	International Journal of Engineering Technology Science and Research, 2394 – 3386 , Volume 5, Issue 3	2018	0	Sethu Institute of Technology	0
Internet of Things: A Research Oriented Introductory	S.P. Raja, <b>T.Sampradeepraj</b>	International Journal of AdHoc and Ubiquitous Computing- Inderscience, Vol 29,Nos 1/ 2	2018	0	Sethu Institute of Technology	0
A Realtime Approach for Identifying	<b>V.Vivek</b> , <b>B.Guruprakash</b> , <b>B.Sivananthan</b> ,	Jour of Adv Research in Dynamical &	2018	0	Sethu Institute of Technology	0

the Obstacles on Railway Track using Thermal Imaging	<b>K.Peer Mohamed,</b> V.Manimaran	Control Systems, Vol. 10, 02-Special Issue,				
An Analysis for Embedded IoT Devices in Device-to-Device Communications	<b>P.Senthil Pandian,</b> <b>V.Vivek,</b> S.Durai Pandi	Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 02-Special Issue,	2018	0	Sethu Institute of Technology	0
Authenticated Driven Data Migration	<b>V.Vivek,</b> V.Manimaran, S.Venkata Prasad	Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 02-Special Issue	2018	0	Sethu Institute of Technology	0
Performance Analysis of improvement in Clustered Data Migration using Machine Learning Approaches	<b>V.Vivek,</b> V.Manimaran, S.Venkata Prasad, K.G.Srinivasagan	International Journal of Applied Engineering Research ISSN 0973-4562, Volume 13, Number 13 pp. 11316-11323	2018	0	Sethu Institute of Technology	0
Performance enhancement analysis of an isolated DC-DC converter using fuzzy logic controller	S. Muthu Balaji , R.Anand , P. <b>Senthil Pandian</b>	International Journal of Engineering & Technology, Volume 7, Issue 1.2, , pp. 186-190	2018	0	Sethu Institute of Technology	0
An Efficient Approach for Facial Recognition based on AAM and	<b>S. Sridevi</b> and R. Rachel	International Journal of Pure and Applied Mathematics, Volume 119	2018	0	Sethu Institute of Technology	0

CNN		No. 15, pp.1681-1692				
Development of Obstacle Detection and Collision Avoidance System using Thermal Imaging Technique	<b>V. Vivek,</b> Dr.D.Murugan, Dr.S. Singaravelan	Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 11, pp. 128-148	2017	0	Sethu Institute of Technology	0
A Swarm Intelligence Based Clustering Technique with Scheduling for the Amelioration of Lifetime in sensor networks	<b>B.Guru Prakash,</b> R.Sukumar, C.Balasubramanian	Journal of Wireless personal Communications, <a href="https://doi.org/10.1007/s11277-018-6002-0">https://doi.org/10.1007/s11277-018-6002-0</a>	2018	0	Sethu Institute of Technology	0
An Efficient Encoder Architecture Design for Cognitive radio Networks	<b>D.Abitha Kumari,</b> J.Sutha	Journal of Wireless personal Communications, Springer Link, Online Publications, DOI.org/10.1007/s11277-018-6001-1	2018	0	Sethu Institute of Technology	0
Analytical modeling of InSb / AlInSb heterostructure dual gate high electron mobility transistors	<b>Venish Kumar.T</b>	AEU- International journal of Electron communication, Vol.94 No.Pg (19-25)	2018	0	Sethu Institute of Technology	0
Performance Analysis of	<b>R.Tamilselvi,</b> <b>M. Parisa Beham</b>	International Journal of	2018	0	Sethu Institute of Technology	0

Age Invariant Face Recognition methods		Computer science and Engineering, IJCSE, Vol.6, No.4, pp.49-55				
Detection of Fetal stress from Mother abdominal Electro Cardiogram signal	<b>A.Merline , M. Parisa Beham, R.Tamilselvi</b>	International Journal of Computer science and Engineering, IJCSE, Vol.6, No.4, pp.65-70	2018	0	Sethu Institute of Technology	0
Integrated System for Regional Navigator and Seasons Management	<b>A Manoj Prabaharan, R Karthick, P Selvaprasanth</b>	International Journal of Global Research in Computer Science, Vol.9, No .4 pg.11-15.	2018	0	Sethu Institute of Technology	0
Enhancemetnt of Solar Panel Lifetime and Efficiency With Modified Cooling Technique	<b>A.Yasodai, P.S.Sharan Shree, P.Murugreswari</b>	IOSR Journal of Computer Engineering, Vol.20, No.2 PP 17-23	2018	0	Sethu Institute of Technology	0
An automated and hybrid method for cyst segmentation in Dental X-ray images,	<b>R.Karthika Devi</b> A. Banumathi, and G. Ulaganathan	Cluster Computing, doi.org/10.1007/s10586-017-1580-2 Pg(1-13)	2018	0	Sethu Institute of Technology	0
Comparative Study of Microstrip Patch Antenna Using	<b>M.Pandimadevi, R.Tamilselvi</b>	International Journal of Pure and Applied Mathematics, Vol.118 No.	2018	0	Sethu Institute of Technology	0

Different Flexible Substrate Materials		22 pg.( 751-766)				
Radiosensitizers and Radioprotectors for Effective Radiation Therapy– A Review	<b>Dr.R.Tamilselvi</b>	Asian Journal of Applied Science and Technology (AJAST), Volume 2, Issue 1, Pages 77-86, 2018	2018	0	Sethu Institute of Technology	0
A hybrid technique for gender classification with SLBP and HOG features	<b>M.Annalakshmi</b> Roomi, S.M.M. and Naveedh	Cluster Computing, doi.org/10.1007/s10586-017-1585-x pg (1-10)	2018	0	Sethu Institute of Technology	0
Segmentation of Improper stitch balance, Hole, Crack, Needle break Defects in Fabric Images	<b>M.FathunNisha</b>	International Journal of Advanced Research Methodology in Engineering, 2(1) pg (1-6)	2018	0	Sethu Institute of Technology	0
Implementation Of LPT Using Spider Technique	<b>A.Manoj Kumar,</b> <b>P.Selvaprasanth</b>	International Journal on Applications in Information and Communication Engineering, Vol.3 No.3 pg (23-28)	2017	0	Sethu Institute of Technology	0
A clinicopathological study of various oral cancer diagnostic	Ulaganathan, G., Niazi, K.T.M., Srinivasan, S., Balaji, V.R., Manikandan, D., <b>K.A. Shahul</b>	Journal of Pharmacy of Bioallied sciences, Vol.9, No.4, pg (1-4)	2017	0	Sethu Institute of Technology	0

techniques'	<b>Hameed</b> and Banumathi, A					
Performance Measures of an Efficient Compensator Design for a Buck Converter	A.Shruthi, <b>A.Srinivasan</b> , R.Pandian	International Journal of ChemTech Research, Vol.11 No.04, pp 71-80	2018	0	Sethu Institute of Technology	0
Ocular Artifact Removal Techniques InEEG Signals	<b>Elavarasi</b> , <b>R.Mohammed</b> <b>Abdullah</b> , <b>M.Syed</b> <b>Abdul Haq K</b>	Journal of Advanced Research in Dynamical and control systems, Vol.10, Issue.2 4, pp.747-752	2018	0	Sethu Institute of Technology	0
Design fabrication and control of a hexapod robot	<b>Raja Mohamed Rabi. B</b> <b>K.Kanimozhi</b>	International Journal of Mechanical and Production Engineering Research and Development, Vol. 8, Issue 3,pp.519- 524	2018	0	Sethu Institute of Technology	0
Develop high torque low speed cogging less permanent magnet slotless BLDC motor ansys software	<b>V.Kannan</b>	Journal of Electrical Engineering, Volume.18, Issue.7,pp.1-10	2018	0	Sethu Institute of Technology	0
An appraisal of optimal sizing techniques of autonomous	<b>A.K.Suresh</b> , <b>S.Nagalakshmi</b> , Giftson Samuel, P.Avirajamanjula	International Journal of pure and applied mathematics,	2018	0	Sethu Institute of Technology	0

power system for renewable sources		Vol.119, Issue.16,3745-3757				
EEG- fMRI Mapping and Techniques A Review	<b>K.Elavarasi</b>	International Journal of Science, Engineering and Technology Research (IJSETR), Volume 7, Issue 3,90-93	2018	0	Sethu Institute of Technology	0
Perspectives of Hydro Power Plant and Pumped Storage System in Tamil Nadu	J Booma, K Mahadevan, K <b>Kanimozhi</b>	International Journal of ChemTech Research, Vol.11 No.04, pp 145-152	2018	0	Sethu Institute of Technology	0
VLSI Implementati on of Karatsuba Multiplier using Modified CLA	K. Balasuthra, <b>G.Narmadha</b>	International Journal of Electronics and Communicati on Engineering, Special Issue,pp.82-86	2018	0	Sethu Institute of Technology	0
A Survey on Features of Sound Signals	<b>V.Vaishnavi, P. Suveetha</b> Dhanaselvam, <b>R.S.Bharathi</b>	Journal of Applied Science and Computations, Volume 5, Issue 6,	2018	0	Sethu Institute of Technology	0
Feasibility study of Optimization in Renewable Energy Penetration to an Isolated Hybrid Power	<b>U.Suresh Kumar, S.Vijayarajan</b>	International Journal of Trend in Research and Development, Vol 4, Issue: 4, pp.38-43	2017	0	Sethu Institute of Technology	0



plant						
Hydrogen Synthesis from Solar Reactor using reverse Photosynthesis	<b>K.Kanimozhi, B.Raja Mohamed Rabi</b>	International Journal of ChemTech Research, Vol.10, No.9, pp.212-219	2017	0	Sethu Institute of Technology	0
Prediction of Lung Carcinoma	<b>M.M.Yamuna devi, Siva Ranjani</b>	Journal of Bio-Medical & Instrumentation Engineering, Volume 3 Issue 1	2018	0	Sethu Institute of Technology	0
A survey paper on buildings extraction from remotely sensed images	<b>S.Jenicka, Jenifer Grace Giftlin</b>	Special Issue published in International journal of trend in research and development(IJTRD) ISSN:2394-9333	2018	0	Sethu Institute of Technology	0
A Comprehensive study and analysis of Intrusion Detection using Machine Learning Techniques	<b>D. RojaRamani</b>	International Journal of Advanced Research in Management, Architecture, Technology and Engineering, (IJARMATE), Vol. IV, Issue IV	2018	0	Sethu Institute of Technology	0
Innovative Air Pollution Monitoring with Sensor Controlled Wireless	<b>P.Swapna</b>	Indian Journal of Natural Sciences, Vol.8 / Issue 47	2018	0	Sethu Institute of Technology	0

Communicati on						
Mechanical Properties of Fly Ash Blended Ceramic Waste Based Geopolymeric Binder	<b>Dr.R.Kumutha, Dr.K.Vijai, Mr.P.Rajeswaran</b>	International Journal of Civil Engineering and Technology,V ol 9 pp 556 - 57,	2018	0	Sethu Institute of Technology	0
Properties of Double Layer Geopolymer Concrete Paver Blocks with Polyester Fibres	<b>Dr.R.Kumutha, Dr.K.Vijai &amp; Ms.S.Aarthy</b>	International Journal of Civil Engineering and Technology, Vol 4, pp. 229 to 238, ISSN:0976- 6316	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Fly Ash Bricks Incorporating MtoSand and GGBS	<b>Dr.R.Kumutha, Dr.K.Vijai, Ms.S.Noor Nasifa, Ms.M.Nivedhidha &amp; Ms.R.Mukila Preethi</b>	International Journal of Constructive Research in Civil Engineering, Vol 4, pp. 01 to 06.	2018	0	Sethu Institute of Technology	0
Mouth segmentation using coordinate based method for the improvement of visual speech recognition	<b>Dr.M.Radhakrish an, Ms.P.Sujatha</b>	International Journal of Applied Mathematics and information sciences, Vol 4, Pp 891 to 897	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Partial Replacement fine aggregate	<b>Dr.G.Balamuruga n, Mr.V.I.Pradheep</b>	International Journal of Innovative Research in Science	2018	0	Sethu Institute of Technology	0

with M-sand in pretensioned Concrete Beam		Engineering & Technology, Vol 6 & Pp5429 to 5434				
Experimental Study on Double Skin Composite Tubular Beam	<b>Ms.V.Anandhi,</b> Ms.G.Karthika, Ms.M.Kamini & Ms.J.Joshy	International Journal of Creative Research Thoughts, Vol 5& pp229 to 238	2018	0	Sethu Institute of Technology	0
Experimental Study on Concrete filled Double Skin dual grade Composite Tubular Columns Confined with GFRP	<b>Ms.V.Anandhi &amp;</b> Mr.K. Vickram	International Journal of Innovative Research in Science Engineering & Technology, Vol 7 & pp 293to296	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Prestressed Concrete Beam Using M-Sand	<b>Ms.L.Kokila &amp;</b> Mr.J.Nandakumar	International Journal of Innovative Research in Science Engineering & Technology, Vol 6 & Pp5422to5428	2018	0	Sethu Institute of Technology	0
Dynamics of Urban Sprawl Direction of Madurai city,TamilNadu using digital image processing of unsupervised	<b>Mr.M.Vignesh,</b> Mr.K.Chandramohan, Mr.R.Santhosh, Mr.M.Senthilkumar & Mr.J.Sharafath Nihal	International Journal of Creative Research Thoughts, Vol 6& Pp 623to769	2018	0	Sethu Institute of Technology	0

classification Technique						
Reduction of Chemical Oxygen Demand by using Coconut Shell Activated Carbon and Sugarcane Bagasse Ash	<b>Ms.P.Sasirekha,</b> Mr.Jegatheeshpand i, Mr.G.Kannan & Mr.R.Karthick Kannan	International Journal of Innovative Research & Studies, Vol 8 pp 293to296	2018	0	Sethu Institute of Technology	0
Removal of Oil and grease from Wastewater by Using Natural Adsorbent	<b>Ms.P.Sasirekha,</b> Mr.A.K.Balaji, Mr.H.Amarnath & Mr.A.L.Balasubra maniyan	International Journal of Applied Engineering Research, pp. 7243to7245 &Vol 13	2018	0	Sethu Institute of Technology	0
Experimental Investigation of GFRG	<b>Mr.A.M.Arunmo han,</b> Ms.A.Vivitha, Ms.P.Venukumari & Ms.S.Vaduhalaksh mi	International Journal of Engineering Science and Computing, pp. 16877to16880 & Vol 08	2018	0	Sethu Institute of Technology	0
Risk Management Using Monte Carlo Simulation Technique	<b>Mr.A.M.Arunmo han &amp; Dr.M.Lakshmi</b>	International Journal of Creative Research Thoughts, Vol 6 & pp 817to821	2018	0	Sethu Institute of Technology	0
Analysis of Modern Construction Projects Using Monte Carlo Simulation Technique	<b>Mr.A.M.Arunmo han &amp; Dr.M.Lakshmi</b>	International Journal of Engineering & Technology, Vol 7 & Pp 41to44	2018	0	Sethu Institute of Technology	0
Partial	<b>Ms.M.Jyothi,</b>	International	2018	0	Sethu Institute	0

Replacement of Coarse Aggregates Using Cockle Shells in Flexible Pavement	Ms.Sheikha patel & Ms.A.Monikkah	Journal of Creative Research Thoughts, Vol 6, pp 412 to 416,I SSN:2320-2882			of Technology	
Utilizing Agricultural By toP roducts for Removing Heavy Metals From Industrial Waste Water toA Comparative study	<b>R.Banupriya,</b> Ms.K.Nandhini, Ms.C.Muthupriya & Ms.S.Ponjeeana	International Journal of Engineering Science and Computing, Vol 8 & pp 16738to16741	2018	0	Sethu Institute of Technology	0
Mycel Bricks an EcotoFriendly Building Material using Macroscopic Fungi	<b>R.Banupriya,</b> Mr.R.Nagarajan, Mr.G.Nijanthan & Mr.M.Pandimahara jan	International Journal of Engineering Science and Computing, Vol 8 & pp 16807to16810	2018	0	Sethu Institute of Technology	0
Impact of Leachate on Groundwater around Vellakal Dumping Site, Madurai, TamilNadu	<b>Ms.R.Banupriya,</b> Mr.D.Vibesh, Mr.P.Surya & Mr.S.Suresh	International Research Journal of Engineering & Technology, Vol 5 & pp 669 to 705	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Recycled Plastic and Coconut Fiber in concrete	<b>Ms.V.Saranya,</b> Mr.R.Surendran	International Journal of Creative Research Thoughts, Vol 6 & Pp533 to 539	2018	0	Sethu Institute of Technology	0

Recycled Plastic and Coconut Fibre used in Concrete Paver Block	<b>Ms.V.Saranya,</b> Ms.M.Achitra, Ms.R.Ambika Rajasree & Ms.R.Vijayalakshmi Pandit	International Journal of Engineering Science and Computing, Vol 8 & Pp16827 to 16830	2018	0	Sethu Institute of Technology	0
Experimental Study on Use of waste Rubber Tyres in Road Pavement	<b>Ms.V.Saranya,</b> Ms.M.Achitra, Ms.R.AmbikaRajasree & Ms.R.Vijayalakshmi Pandit	International Journal of Engineering Science and Computing, Vol 8 & Pp 16825 to 16826	2018	0	Sethu Institute of Technology	0
Stabilization of Black Cotton Soil Using Polypropylene Fibre	<b>Ms.S.Bharathi,</b> Mr.B.Hariprasad, Mr.S.N.Gautham & Mr.A.Farzi Arafath	International Journal of Creative Research Thoughts, Vol 6 & pp 805 to 815	2018	0	Sethu Institute of Technology	0
Feasibility Study on Utilization of Red Soil as Replacement of Fine Aggregate in Concrete	<b>Ms.S.Bharathi,</b> Mr.N.Vivek kumar, Mr.M.S.Seshamahalangam & Mr.A.Yahya	International Journal of Creative Research Thoughts, Vol 6 & pp 149 to 156	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Partially Replacement of Cement with Marble Wastes	<b>Ms.P.Anitha,</b> Mr.S.Arjun, Mr.S.V.Ashwin Kumar, Mr.A.Ashikur Rahman & Mr.R.Arun Kumar	International Research Journal of Engineering Science and Technology, Vol 8 & pp 16498 to 16500	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Bendable	<b>B.N.Brinila Bright,</b> Mr.S.H.Beer	International Research Journal of	2018	0	Sethu Institute of Technology	0

Concrete Using Natural and Artificial Fibres (Jute and Nylon)	Mohamed Sareef, Mr.P.A.Basith & Mr.T.Harish Priyadharshan	Engineering and Technology(I RJET), Vol 5& pp 3413to3417				
Flexural Behaviour of Double Layered E Waste Concrete Beams	<b>Ms.B.N.Brinila Bright &amp; Mr.Manikandaprabu</b>	International Research Journal of Engineering and Technology(I RJET), Vol 5, pp 1211 to 1214	2018	0	Sethu Institute of Technology	0
Experimental Investigation on Replacement of Fine Aggregate with Demolished Construction Materials	<b>Ms.A.Subalakshmi</b> , Mr.S.Vignesh Karthick	International Journal of Innovative Research in Science Engineering & Technology, Vol 7 & Pp 5436 to 5440	2018	0	Sethu Institute of Technology	0
Behaviour of Basalt fiber Reinforced Polymer Structural Reinforced Concrete Beam Element	<b>Mr.P.Rajeswaran &amp; Mr.J.Karthick Kumar</b>	International Journal of Innovative Research in Science Engineering and Technology, Vol 6 & pp 5416 to 5421	2018	0	Sethu Institute of Technology	0
Experimental Investigation and Cost Analysis of Light Transmitting Concrete	<b>Mr.T.G.Ramkumar</b> , Mr.G.Sakthivel, Mr.S.B.Saleem Zahir Hussain & Mr.K.Subash	International Journal of Creative Research Thoughts, Vol 6 & pp 994 to 998	2018	0	Sethu Institute of Technology	0
Experimental	<b>Ms.D.Rebekhal,</b>	International	2018	0	Sethu Institute	0

investigation on cement mortar blended with many silica synthesized from rice husk ash	Mr.M.Aravind, Mr..Balamurugan & Mr.R.Ajithkumar	Journal of advanced research trends in engineering and Technology, Vol 5 & pp 30 to 35			of Technology	
Efficient file sharing mechanism in P2P using energy efficient clustering mechanism	<b>M.Radhakrishan,</b> P.Arockiamary	International Journal of Applied Mathematics and information sciences, pp.1779-1787 & Vol 06	2018	0	Sethu Institute of Technology	0
A study on the design of thermosyphon Evaporator used in nuclear waste volume Reduction method	<b>M. Arul jayan,</b> C. Marimuthu, V. Thiagarajan and S. Senthil velavan	Rasayan J.Chem, Vol. 11, No. 1,307 – 311	2018	0	Sethu Institute of Technology	0
Identification of Train Movement through Sensor Signals for Unmanned Level Crossing	<b>Y.Arockia Jesuraj,</b> <b>K.Hemalatha,</b> V.Vijayaragavan	Journal of advanced research in dynamical and control system, Issue.2,pg.no. 1253-56	2018	0	Sethu Institute of Technology	0
GPSO Based Effective System for Respiration Disease Detection	<b>Kins Burk Sunil N,</b> Ganesan R, Sankaragomathi B	TAGA Journal of Graphic Technology, VOL. 14, pp.700-709	2018	0	Sethu Institute of Technology	0
Impact of	R. Rajesh Kanna,	Ceramic	2017	0	Sethu Institute	0



Lanthanum on structural, optical, dielectric and magnetic properties of $Mn_{1-x}Cu_xFe_{1.85}La_{0.15}O_4$ spinel nanoferrites	N. Lenin, <b>K. Sakthipandi, M. Sivabharathy</b>	International. Volume 43 pp. 15868-15879			of Technology	
Structural Transition in Gd doped $LaCrO_3$ Isovalent by in-situ Ultrasonic Measurements	P. Thamilmaran, M. Arunachalam, S. Sankarajan, <b>K. Sakthipandi, M. Sivabharathy</b> and E. James Jebaseelan Samuel	Physica B: Condensed Matter, Volume 530, pp. 270–276	2018	0	Sethu Institute of Technology	0
Tuning of Metal-Insulator Phase Transition Temperature in $La_{0.3}Ca_{0.7}MnO_3$ Perovskite	M. Arunachalam, P. Thamilmaran, <b>K. Sakthipandi</b>	Materials Letters, Volume 218C, pp. 270-273	2018	0	Sethu Institute of Technology	0
Structural, Electrical and Magnetic Properties of $Ni_{1-x}La_xFe_2O_4$ Nanoferrites	N. Lenin, R. Rajesh Kanna, <b>K. Sakthipandi, A. Senthil Kumar</b>	Materials Chemistry and Physics, Volume 212, Pages 385-393	2018	0	Sethu Institute of Technology	0
Effect of Neodymium ion on the Structural, Electrical and Magnetic	N. Lenin, R. Rajesh Kanna, <b>K. Sakthipandi, J. Rajesh</b>	Ceramics International, Volume 44, Issue 10, pp. 11562-11569	2018	0	Sethu Institute of Technology	0

Properties of Nanocrystalline Nickel Ferrites						
Doping effect of Rare-earth (La, Nd and Gd) ions on the structural, optical, dielectric and magnetic properties of copper nanoferrites	R. Rajesh Kanna, <b>K. Sakthipandi</b> , <b>S.M.Seeni Mohamed Aliar Maraikkayar</b> , N. Lenin, M. <b>Sivabharathy</b>	Journal of Rare Earth, Volume 36, Issue 12, pp. 1299 - 1309	2018	0	Sethu Institute of Technology	0
Electrical, Magnetic and Structural Properties of Polymer-Blended Lanthanum-added Nickel Nano-ferrites	N.Lenin, <b>K.Sakthipandi</b> , R.Rajesh Kanna, G.Rajkumar	Ceramics International, Volume 44, Issue 17, Pages 21866-21873	2018	0	Sethu Institute of Technology	0
An Energy Aware Buffer Management (EABM) Routing Protocol for WSN	P. Jayarajan, G.R. Kanagachidambare san, T.V.P. Sundararajan, <b>K. Sakthipandi</b> , R. Maheswar, A. Karthikeyan	The Journal of Supercomputing, <a href="https://doi.org/10.1007/s11227-018-2582-4">https://doi.org/10.1007/s11227-018-2582-4</a>	2019	0	Sethu Institute of Technology	0
The external and internal influences for the tuning of the properties of perovskite materials: An overview	Aslam Hossain, Sanjay Roy, <b>K. Sakthipandi</b>	Ceramics International, <a href="https://doi.org/10.1016/j.ceramint.2018.11.102">https://doi.org/10.1016/j.ceramint.2018.11.102</a>	2019	0	Sethu Institute of Technology	0
The Influence of the thickness and areal Density	<b>B MuthuChozhai Rajan</b> , <b>A Senthil Kumar</b>	IIM Metallurgy Materials Engineering,	2018	0	Sethu Institute of Technology	0

on the Mechanical Properties of Carbon Fibre Reinforced Aluminium Laminates (CARAL)		Volume 71(9), pp. 2165-2171.				
Optimize Cram on Conventional Network-on-Chip Using ELIDER	P. Senthil Pandian, <b>S. Sridevi</b>	Taga Journal, Vol. 14, pp. 1777 -1781	2018	0	Sethu Institute of Technology	0
Molybdenum disulfide-based modifier for electrochemical detection of 4-nitrophenol	<b>Tharani Jeyapragasam,</b> V Ganesh	Ionics, <a href="https://doi.org/10.1007/s11581-018-2538-y">https://doi.org/10.1007/s11581-018-2538-y</a>	2018	0	Sethu Institute of Technology	0

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

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index of the journal	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Influence of Shot Peening and Plasma Ion Nitriding on Tensile Strength of 2205 Duplex Stainless Steel using A-PAW	<b>R.Selvabharathi, R Muralikannan</b>	Materials Science & Engineering A,	2018	192	2	Sethu Institute of Technology
A reversible fluorescent chemosensor	G.G. Vinoth Kumar, M.P. Kesavan, A.	Sensors & Actuators: B Chemical	2018	159	6	Sethu Institute of Technology

r for the rapid detection of Hg <sup>2+</sup> in an aqueous solution: its logic gates behavior and live cell imaging	Tamilselvi, G. Rajagopal, J. Dhaveethu Raja, <b>K. Sakthipandi</b> , J. Rajesh, M. Sivaraman					
Structural, optical, dielectric and magnetic studies of Gadolinium-added Mn–Cu nanoferrites	R. Rajesh Kanna, N. Lenin, <b>K. Sakthipandi</b> , <b>A. Senthil Kumar</b>	Journal of Magnetism and Magnetic Materials	2018	147	5	Sethu Institute of Technology
Study of the effect of Cu doping in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> perovskite materials employing on-line ultrasonic measurements	P. Thamilmaran, M. Arunachalam, S. Sankarajan, <b>K. Sakthipandi</b> , <b>M. Sivabharathy</b>	Journal of Magnetism and Magnetic Materials	2017	147	1	Sethu Institute of Technology
Analytical solution of the convection-diffusion equation for uniformly accessible rotating disk electrodes via the	<b>PG Jansi Rani</b> , M Kirthiga, A Molina, E Laborda, <b>L Rajendran</b>	Journal of Electroanalytical Chemistry	2018	140	2	Sethu Institute of Technology

homotopy perturbation method						
Magnetic iron oxide nanoparticle s (MIONs) cross-linked natural polymer- based hybrid gel beads: Controlled nano anti- TB drug delivery application	M.P. Kesavan, S. Ayyanaar, V. Vijayakumar, J. Dhaveethu Raja, J. Annaraj, <b>K. Sakthipandi</b> , J. Rajesh	Journal of Biomedical Materials Research Part A	2018	127	3	Sethu Institute of Technology
Structural, Electrical and Magnetic Properties of NiLaxFe2- xO4 Nanoferrites	N. Lenin, R. Rajesh Kanna, <b>K. Sakthipandi</b> , <b>A. Senthil Kumar</b>	Materials Chemistry and Physics	2018	124	0	Sethu Institute of Technology
Facile preparation of diverse copper oxide nanostructur es and their characteriza tion	N Murugesan, AM Remona, SK Kumar, <b>S Suresh</b>	Materials Letters	2018	115	1	Sethu Institute of Technology
Tunning of Metal- Insulator Phase Transition Temperatur e in	M. Arunachalam, P. Thamilmaran, <b>K. Sakthipandi</b>	Materials Letters	2018	115	0	Sethu Institute of Technology

La <sub>0.3</sub> Ca <sub>0.7</sub> MnO <sub>3</sub> Perovskite						
Cashews whole and splits classification using a novel machine vision approach	<b>S.Jenicka</b>	Postharvest Biology and Technology	2018	113	1	Sethu Institute of Technology
Schiff base receptor as fluorescence turn-on sensor for Ni <sup>2+</sup> ions in live cells and logic gate application	G.G. Vinoth Kumar, M.P. Kesavan, M. Sankarganesh, <b>K. Sakthipandi</b> , J. Rajesh, G. Sivaraman	New Journal of Chemistry	2018	106	2	Sethu Institute of Technology
Structural Transition in Gd doped LaCrO <sub>3</sub> Isovalent by in-situ Ultrasonic Measurements	P. Thamilmaran, M. Arunachalam, S. Sankarajan, <b>K. Sakthipandi</b> , <b>M. Sivabharathy</b> and E. James Jebaseelan Samuel	Physica B: Condensed Matter	2018	92	0	Sethu Institute of Technology
Structural Analysis of Domestic Liquefied Petroleum Gas Cylinder using Banana Fiber Composite Material as	<b>K Sarbudeen, B Raja Mohamed Rabi, R Sirajudeen</b>	International Journal Of Scientific Engineering and Science	2018	83	0	Sethu Institute of Technology

per ASME Standards using FEA Software						
Impact of Lanthanum on structural, optical, dielectric and magnetic properties of Mn <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>1.85</sub> La <sub>0.15</sub> O <sub>4</sub> spinel nanoferrites	R. Rajesh Kanna, N. Lenin, <b>K. Sakthipandi</b> , <b>M. Sivabharathy</b>	Ceramic International	2017	82	0	Sethu Institute of Technology
Effect of Neodymium ion on the Structural, Electrical and Magnetic Properties of Nanocrystalline Nickel Ferrites	N. Lenin, R. Rajesh Kanna, <b>K. Sakthipandi</b> , J. Rajesh	Ceramics International	2018	82	0	Sethu Institute of Technology
Electrical, Magnetic and Structural Properties of Polymer-Blended Lanthanum-added Nickel Nanoferrites	N. Lenin, <b>K. Sakthipandi</b> , R. Rajesh Kanna, G. Rajkumar	Ceramics International	2018	82	0	Sethu Institute of Technology
The external	Aslam Hossain,	Ceramics	2019	82	0	Sethu

and internal influences for the tuning of the properties of perovskite materials: An overview	<b>Sanjay Roy, K. Sakthipandi</b>	International				Institute of Technology
Multi Response Optimization of Fabrication Parameters of Carbon Fiber-Reinforced Aluminium Laminates (CARAL): By Taguchi Method and Gray Relational Analysis	<b>B Muthu Chozha Rajan, A Senthil Kumar, T Sornakumar, P Sentharamaikkannan and M R Sanjay</b>	Polymer Composites	2018	68	0	Sethu Institute of Technology
Analytical modeling of InSb / AlInSb heterostructure dual gate high electron mobility transistors	<b>Venish Kumar.T</b>	AEU- International journal of Electron communication	2018	44	0	Sethu Institute of Technology
VLSI Implementation of Karatsuba Multiplier	<b>K. Balasubra, G.Narmadha</b>	International Journal of Electronics and Communication	2018	44	0	Sethu Institute of Technology



using Modified CLA		n Engineering				
Molybdenum disulfide-based modifier for electrochemical detection of 4-nitrophenol	<b>Tharani Jeyapragasam,</b> V Ganesh	Ionics	2018	44	0	Sethu Institute of Technology
A Swarm Intelligence Based Clustering Technique with Scheduling for the Amelioration of Lifetime in sensor networks	B.Guru Prakash, <b>R.Sukumar,</b> C.Balasubramanian	Journal of Wireless personal Communications	2018	42	0	Sethu Institute of Technology
An Efficient Encoder Architecture Design for Cognitive radio Networks	<b>D.Abitha Kumari,</b> J.Sutha	Journal of Wireless personal Communications	2018	42	0	Sethu Institute of Technology
An Energy Aware Buffer Management (EABM) Routing Protocol for WSN	P. Jayarajan, G.R. Kanagachidambaresan, T.V.P. Sundararajan, <b>K. Sakthipandi,</b> R. Maheswar, A. Karthikeyan	The Journal of Supercomputing	2019	42	0	Sethu Institute of Technology

A Study on Impact of Rework in a Manufacturing System using Lean Techniques	<b>G.D.Sivakumar,</b> D. Sudarshan	Journal of Computational and Theoretical Nano Science	2018	40	1	Sethu Institute of Technology
Doping effect of Rare-earth (La, Nd and Gd) ions on the structural, optical, dielectric and magnetic properties of copper nanoferrites	R. Rajesh Kanna, <b>K. Sakthipandi,</b> <b>S.M.Seeni</b> <b>Mohamed Aliar</b> <b>Maraikkayar , N.</b> Lenin, <b>M.</b> <b>Sivabharathy</b>	Journal of Rare Earth	2018	37	0	Sethu Institute of Technology
Design and Implementation of Low Power Testing Using Advanced Razor Based Processor	<b>R.Karthick</b> and Sundararajan, M	International journal of applied engineering research	2017	35	1	Sethu Institute of Technology
A reconfigurable method for time correlated MIMO channel with decision feedback	<b>R.Karthick,</b> and Sundararajan, M	International journal of applied engineering research	2017	35	1	Sethu Institute of Technology

receiver						
Performance Analysis of improvement in Clustered Data Migration using Machine Learning Approaches	<b>V.Vivek,</b> V.Manimaran, S.Venkata Prasad, K.G.Srinivasagan	International Journal of Applied Engineering Research	2018	35	0	Sethu Institute of Technology
Yoga Enhanced CBT Stress Reduction: A Survey	<b>K Kanimozhi, B Raja Mohamed Rabi</b>	International Journal of Chemtech Research	2018	32	0	Sethu Institute of Technology
Performance Measures of an Efficient Compensator Design for a Buck Converter	A.Shruthi, <b>A.Srinivasan,</b> R.Pandian	International Journal of ChemTech Research	2018	32	0	Sethu Institute of Technology
Perspectives of Hydro Power Plant and Pumped Storage System in Tamil Nadu	J Booma, K Mahadevan, <b>K Kanimozhi</b>	International Journal of ChemTech Research	2018	32	0	Sethu Institute of Technology
Hydrogen Synthesis from Solar Reactor using reverse Photosynthe	<b>K.Kanimozhi,</b> <b>B.Raja Mohamed Rabi</b>	International Journal of ChemTech Research	2017	32	0	Sethu Institute of Technology

sis						
Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique	G.Chandrasekar, <b>C. Kailasanathan</b> , and M. Vasundara	<i>Journal of Manufacturing Processes</i>	2018	31	0	Sethu Institute of Technology
Achieving energy efficiency using novel scalar Multiplication based ECC for Android devices in IOT environment	<b>K.Sathish Kumar</b> , R.Sukumar	Cluster computing – Springer Science	2017	31	0	Sethu Institute of Technology
An automated and hybrid method for cyst segmentation in Dental X-ray images,	<b>R.Karthika DeviA.</b> Banumathi, and G. Ulaganathan	Cluster Computing	2018	31	0	Sethu Institute of Technology
A hybrid technique	<b>M.Annalakshmi Roomi</b> , S.M.M.	Cluster	2018	31	0	Sethu Institute of

for gender classification with SLBP and HOG features	and Naveedh	Computing				Technology
Impact of Alkali Treatment on Physio-Chemical, Thermalstructural And Tensile Properties of CARICA Papaya Fibers	<b>A Saravana Kumar, A Senthil Kumar, S S Saravana Kumar, M R Sanjay</b>	International Journal of Polymer Analysis And Characterization	2018	28	1	Sethu Institute of Technology
Impact of alkali treatment on physico-chemical, thermal, structural and tensile properties of Carica papayabark fiber	<b>A Saravana kumaar, A. Senthil Kumar, S. S. Saravanakumar, M. R. Sanjay &amp; Anish Khan</b>	International Journal of Polymer Analysis and Characterization	2018	28	1	Sethu Institute of Technology
A clinicopathological study of various oral cancer diagnostic techniques'	Ulaganathan, G., Niazi, K.T.M., Srinivasan, S., Balaji, V.R., Manikandan, D., <b>K.A. Shahul Hameed</b> and Banumathi, A	Journal of Pharmacy of Bioallied sciences	2017	22	0	Sethu Institute of Technology
Develop high torque low speed	<b>V.Kannan</b>	Journal of Electrical	2018	22	0	Sethu Institute of

cogging less permanent magnet slotless BLDC motor ansys software		Engineering				Technology
Environmen tal effects of a single cylinder DI diesel engine fuelled with non-edible pongamia biodiesel feedstock used for agriculture	M. Rajasankar, K. Muralidharan, <b>K.Arun Balasubramania n</b> and Senthilkumar. D	International Journal of Pure and Applied Mathematics	2018	21	0	Sethu Institute of Technology
An Efficient Approach for Facial Recognition based on AAM and CNN	<b>S. Sridevi</b> and R. Rachel	International Journal of Pure and Applied Mathematics	2018	21	0	Sethu Institute of Technology
Comparativ e Study of Microstrip Patch Antenna Using Different Flexible Substrate Materials	<b>M.Pandimadevi, R.Tamilselvi</b>	International Journal of Pure and Applied Mathematics	2018	21	0	Sethu Institute of Technology
Optimizatio n of Mimo Channels Using An	<b>R Karthick</b> M.Sundararajan	International Journal of Pure and Applied	2018	21	0	Sethu Institute of Technology

Adaptive Lpc Method		Mathematics				
An appraisal of optimal sizing techniques of autonomous power system for renewable sources	<b>A.K.Suresh, S.Nagalakshmi,</b> Giftson Samuel, P.Avirajamanjula	International Journal of pure and applied mathematics	2018	21	0	Sethu Institute of Technology
Internet of Things: A Research Oriented Introductory	S.P. Raja, <b>T.Sampradeepraj</b>	International Journal of AdHoc and Ubiquitous Computing-Inderscience	2018	19	0	Sethu Institute of Technology
Implementation of Kanban to Improve Efficiency of a Manufacturing System Subject to Bottlenecks	<b>G.D.Sivakumar,</b> D. Sudarshan	International Journal of Manufacuring Technology	2018	18	0	Sethu Institute of Technology
Physicochemical Properties of New Cellulosic Fiber extracted from CARICA Papaya Bark	<b>A Saravankumaar, A Senthilkumar,</b> T Sornakumar, S SSaravana Kumar, V P Arthanariesewaran	Journal Of Natural Fibers	2017	17	1	Sethu Institute of Technology
A new	K Ganesan, C	Journal of	2018	17	0	Sethu

assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites	<b>Kailasanathan,</b> MR Sanjay, P Senthamarai kanna n, SS Saravanakumar	Natural Fibers				Institute of Technology
A study on the design of thermosyphon Evaporator used in nuclear waste volume Reduction method	M. Arul jayan, <b>C. Marimuthu,</b> V. Thiyagarajan and S. Senthil velavan	Rasayan J.Chem	2018	17	0	Sethu Institute of Technology
Effect of Tool Wear on Machining GFRP and AISID2 Steel Using Alumina Based Ceramic Cutting Tools	M.AdamKhan, <b>A.SenthilKumar,</b> S.Thirumalai Kumaran, M.Uthayakumar, TaeJoKo	Silicon	2018	16	0	Sethu Institute of Technology
A novel 3-D-IC test architecture -a review	<b>R Karthick</b> and Sundararajan, M	International Journal of Engineering and Technology	2018	15	1	Sethu Institute of Technology
Ricinus	K.Nijandhan,	Journal of	2018	15	0	Sethu



communis fiber as Potential Reinforcem ent for Lightweight Polymer Composites	<b>R.Muralikannan and S. Venkatachalam</b>	Material Research Express				Institute of Technology
Performanc e enhancemen t analysis of an isolated DC-DC converter using fuzzy logic controller	S. Muthu Balaji , R.Anand , <b>P. Senthil Pandian</b>	International Journal of Engineering & Technology	2018	15	0	Sethu Institute of Technology
Mechanical Properties of Fly Ash Blended Ceramic Waste Based Geopolymer ic Binder	<b>Dr.R.Kumutha, Dr.K.Vijai, Mr.P.Rajeswaran</b>	International Journal of Civil Engineering and Technology	2018	12	0	Sethu Institute of Technology
Properties of Double Layer Geopolymer Concrete Paver Blocks with Polyester Fibres	<b>Dr.R.Kumutha, Dr.K.Vijai &amp; Ms.S.Aarthi</b>	International Journal of Civil Engineering and Technology	2018	12	0	Sethu Institute of Technology
Impact Response and Damage Characterist ics Carbon Fibre Reinforced	<b>B. Muthu Chozha Rajan, A. Senthil Kumar, T. Sornakumar, S.S. Saravanakumar</b>	Materials Today Proceedings	2018	11	0	Sethu Institute of Technology

Aluminium Laminates (CARAL) under Low Velocity Impact Test						
Impact of fuel injection advance on combustion and gas emissions in a TBC engine fuelled with honge bio-diesel	K. Muralidharan, M. Rajashankar, <b>K. Arun Balasubramanian</b> , D. Senthilkumar	Ecology, Environment and Conservation	2018	11	0	Sethu Institute of Technology
PSO based out of order execution scheme for HT-MPSOC	<b>R.Karthick</b> and Sundararajan, M	Journal of Advanced research in dynamical and control systems	2017	6	1	Sethu Institute of Technology
A Realtime Approach for Identifying the Obstacles on Railway Track using Thermal Imaging	<b>V.Vivek</b> , <b>B.Guruprakash</b> , B.Sivananthan, <b>K.Peer Mohamed</b> , V.Manimaran	Jour of Adv Research in Dynamical & Control Systems	2018	6	0	Sethu Institute of Technology
An Analysis for Embedded IoT Devices in Device-to-Device Communications	P.Senthil Pnadian, <b>V.Vivek</b> , S.Durai Pandi	Jour of Adv Research in Dynamical & Control Systems	2018	6	0	Sethu Institute of Technology
Authenticat	<b>V.Vivek</b> ,	Journal of	2018	6	0	Sethu

ed Driven Data Migration	V.Manimaran, S.Venkata Prasad	Adv Research in Dynamical & Control Systems				Institute of Technology
Ocular Artifact Removal Techniques InEEG Signals	<b>Elavarasi, R.Mohammed Abdullah, M.Syed Abdul Haq K</b>	Journal of Advanced Research in Dynamical and control systems	2018	6	0	Sethu Institute of Technology
Design fabrication and control of a hexapod robot	Raja Mohamed Rabi. B <b>K.Kanimozhi</b>	International Journal of Mechanical and Production Engineering Research and Development	2018	6	0	Sethu Institute of Technology
Identification of Train Movement through Sensor Signals for Unmanned Level Crossing	<b>Y.Arockia Jesuraj, K.Hemalatha, V.Vijayaragavan</b>	Journal of advanced research in dynamical and control system	2018	6	0	Sethu Institute of Technology
Design Fabrication and Control of a Hexapod Robot	<b>K Kanimozhi, B Raja Mohamed Rabi</b>	International Journal of Mechanical and Production Engineering Research And Development (IJMPERD)	2018	3	0	Sethu Institute of Technology
A Review of Surface Coating Technology to increase the Heat Transfer	S. Pungaiya and <b>C. Kailasanathan</b>	International Journal of Mechanical Engineering and Robotics Research	2018	2	0	Sethu Institute of Technology

GPSO Based Effective System for Respiration Disease Detection	<b>Kins Burk Sunil</b> N, Ganesan R, Sankaragomathi B	TAGA Journal of Graphic Technology	2018	1	0	Sethu Institute of Technology
Ascent Plunge Methods for Seclusion Preserving	<b>P.Ithaya Rani</b> , S.Mahalakshmi, A.Manjula, V.Merlin Freeda	International Journal of Engineering Technology Science and Research	2018	0	0	Sethu Institute of Technology
Development of Obstacle Detection and Collision Avoidance System using Thermal Imaging Technique	<b>V. Vivek,</b> Dr.D.Murugan, Dr.S. Singaravelan	Asian Journal of Research in Social Sciences and Humanities	2017	0	0	Sethu Institute of Technology
Performance Analysis of Age Invariant Face Recognition methods	<b>R.Tamilselvi, M. Parisa Beham</b>	International Journal of Computer science and Engineering, IJCSE	2018	0	0	Sethu Institute of Technology
Detection of Fetal stress from Mother abdominal Electro Cardiogram signal	<b>A.Merline , M. Parisa Beham, R.Tamilselvi</b>	International Journal of Computer science and Engineering, IJCSE	2018	0	0	Sethu Institute of Technology
Integrated System for Regional	<b>A Manoj Prabakaran, R Karthick, P</b>	International Journal of Global	2018	0	0	Sethu Institute of Technology

Navigator and Seasons Management	<b>Selvaprasanth</b>	Research in Computer Science				
Enhancement of Solar Panel Lifetime and Efficiency With Modified Cooling Technique	<b>A.Yasodai, P.S.Sharan Shree, P.Murugreswari</b>	IOSR Journal of Computer Engineering	2018	0	0	Sethu Institute of Technology
Radiosensitizers and Radioprotectors for Effective Radiation Therapy– A Review	<b>Dr.R.Tamilselvi</b>	Asian Journal of Applied Science and Technology (AJAST)	2018	0	0	Sethu Institute of Technology
Segmentation of Improper stitch balance, Hole, Crack, Needle break Defects in Fabric Images	<b>M.FathunNisha</b>	International Journal of Advanced Research Methodology in Engineering	2018	0	0	Sethu Institute of Technology
Implementation Of LPT Using Spider Technique	<b>A.Manoj Kumar, P.Selvaprasanth</b>	International Journal on Applications in Information and Communication Engineering	2017	0	0	Sethu Institute of Technology
EEG- fMRI Mapping	<b>K.Elavarasi</b>	International Journal of	2018	0	0	Sethu Institute of

and Techniques A Review		Science, Engineering and Technology Research (IJSETR)				Technology
A Survey on Features of Sound Signals	<b>V.Vaishnavi, P. Suveetha Dhanaselvam, R.S.Bharathi</b>	Journal of Applied Science and Computations	2018	0	0	Sethu Institute of Technology
Feasibility study of Optimizatio n in Renewable Energy Penetration to an Isolated Hybrid Power plant	<b>U.Suresh Kumar, S.Vijayarajan</b>	International Journal of Trend in Research and Development	2017	0	0	Sethu Institute of Technology
Prediction of Lung Carcinoma	<b>M.M.Yamunade vi, Siva Ranjani</b>	Journal of Bio-Medical & Instrumentatio n Engineering	2018	0	0	Sethu Institute of Technology
A survey paper on buildings extraction from remotely sensed images	<b>S.Jenicka, Jenifer Grace Giftlin</b>	International journal of trend inresearch and development (IJTRD) ISSN:2394- 9333	2018	0	0	Sethu Institute of Technology
A Comprehen sive study and analysis of Intrusion Detection using Machine Learning	<b>D. RojaRamani</b>	International Journal of Advanced Research in Management, Architecture, Technology and Engineering,	2018	0	0	Sethu Institute of Technology

Techniques		(IJARMATE)				
Innovative Air Pollution Monitoring with Sensor Controlled Wireless Communication	<b>P.Swapna</b>	Indian Journal of Natural Sciences	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Fly Ash Bricks Incorporating MtoSand and GGBS	<b>Dr.R.Kumutha, Dr.K.Vijai,</b> Ms.S.Noor Nasifa, Ms.M.Nivedhidha & Ms.R.Mukila Preethi	International Journal of Constructive Research in Civil Engineering	2018	0	0	Sethu Institute of Technology
Mouth segmentation using coordinate based method for the improvement of visual speech recognition	<b>Dr.M.Radhakrishnan,</b> Ms.P.Sujatha	International Journal of Applied Mathematics and information sciences	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Partial Replacement fine aggregate with M-sand in pretensioned Concrete Beam	<b>Dr.G.Balamurugan,</b> Mr.V.I.Pradheep	International Journal of Innovative Research in Science Engineering & Technology	2018	0	0	Sethu Institute of Technology
Experimental Study on	<b>Ms.V.Anandhi,</b> Ms.G.Karthika,	International Journal of	2018	0	0	Sethu Institute of

Double Skin Composite Tubular Beam	Ms.M.Kamini & Ms.J.Joshy	Creative Research Thoughts				Technology
Experimental Study on Concrete filled Double Skin dual grade Composite Tubular Columns Confined with GFRP	<b>Ms.V.Anandhi &amp; Mr.K.Vickram</b>	International Journal of Innovative Research in Science Engineering & Technology	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Prestressed Concrete Beam Using M-Sand	<b>Ms.L.Kokila &amp; Mr.J.Nandakumar</b>	International Journal of Innovative Research in Science Engineering & Technology	2018	0	0	Sethu Institute of Technology
Dynamics of Urban Sprawl Direction of Madurai city,TamilNadu using digital image processing of unsupervised classification Technique	<b>Mr.M.Vignesh,</b> Mr.K.Chandramohan, Mr.R.Santhosh, Mr.M.Senthilkumar & Mr.J.Sharafath Nihal	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Reduction of Chemical Oxygen Demand by using	<b>Ms.P.Sasirekha,</b> Mr.Jegatheeshpan di, Mr.G.Kannan & Mr.R.Karthick Kannan	International Journal of Innovative Research & Studies	2018	0	0	Sethu Institute of Technology



Coconut Shell Activated Carbon and Sugarcane Bagasse Ash						
Removal of Oil and grease from Wastewater by Using Natural Adsorbent	<b>Ms.P.Sasirekha,</b> Mr.A.K.Balaji, Mr.H.Amarnath & Mr.A.L.Balasubramaniyan	International Journal of Applied Engineering Research	2018	0	0	Sethu Institute of Technology
Experimental Investigation of GFRG	<b>Mr.A.M.Arunmo han,</b> Ms.A.Vivitha, Ms.P.Venukumari & Ms.S.Vaduhalaks hmi	International Journal of Engineering Science and Computing	2018	0	0	Sethu Institute of Technology
Risk Management Using Monte Carlo Simulation Technique	<b>Mr.A.M.Arunmo han &amp;</b> Dr.M.Lakshmi	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Analysis of Modern Construction Projects Using Monte Carlo Simulation Technique	<b>Mr.A.M.Arunmo han &amp;</b> Dr.M.Lakshmi	International Journal of Engineering & Technology	2018	0	0	Sethu Institute of Technology
Partial Replacement of Coarse Aggregates Using Cockle	<b>Ms.M.Jyothi,</b> Ms.Sheikha patel & Ms.A.Monikkah	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology

Seashells in Flexible Pavement						
Utilizing Agricultural By toP roducts for Removing Heavy Metals From Industrial Waste Water toA Comparativ e study	<b>R.Banupriya,</b> Ms.K.Nandhini, Ms.C.Muthupriya & Ms.S.Ponjeeana	International Journal of Engineering Science and Computing	2018	0	0	Sethu Institute of Technology
Mycel Bricks an EcotoFriend ly Building Material using Macroscopi c Fungi	<b>R.Banupriya,</b> Mr.R.Nagarajan, Mr.G.Nijanthan & Mr.M.Pandimahar ajan	International Journal of Engineering Science and Computing	2018	0	0	Sethu Institute of Technology
Impact of Leachate on Groundwater around Vellakal Dumping Site, Madurai, TamilNadu	<b>Ms.R.Banupriya,</b> Mr.D.Vibesh, Mr.P.Surya & Mr.S.Suresh	International Research Journal of Engineering & Technology	2018	0	0	Sethu Institute of Technology
Experiment al Investigatio n on Recycled Plastic and Coconut Fiber in concrete	<b>Ms.V.Saranya,</b> Mr.R.Surendran	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Recycled	<b>Ms.V.Saranya,</b>	International	2018	0	0	Sethu

Plastic and Coconut Fibre used in Concrete Paver Block	Ms.M.Achitra, Ms.R.Ambika Rajasree & Ms.R.Vijayalakshmi Pandit	Journal of Engineering Science and Computing				Institute of Technology
Experimental Study on Use of waste Rubber Tyres in Road Pavement	<b>Ms.V.Saranya,</b> Ms.M.Achitra, Ms.R.AmbikaRajasree & Ms.R.Vijayalakshmi Pandit	International Journal of Engineering Science and Computing	2018	0	0	Sethu Institute of Technology
Stabilization of Black Cotton Soil Using Polypropylene Fibre	<b>Ms.S.Bharathi,</b> Mr.B.Hariprasad, Mr.S.N.Gautham & Mr.A.Farzi Arafath	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Feasibility Study on Utilization of Red Soil as Replacement of Fine Aggregate in Concrete	<b>Ms.S.Bharathi,</b> Mr.N.Vivek kumar, Mr.M.S.Seshamahalalingam & Mr.A.Yahya	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Partially Replacement of Cement with Marble Wastes	<b>Ms.P.Anitha,</b> Mr.S.Arjun, Mr.S.V.Ashwin Kumar, Mr.A.Ashikur Rahman & Mr.R.Arun Kumar	International Research Journal of Engineering Science and Technology	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Bendable Concrete	<b>B.N.Brinila Bright,</b> Mr.S.H.Beer Mohamed Sareef, Mr.P.A.Basith & Mr.T.Harish	International Research Journal of Engineering and Technology	2018	0	0	Sethu Institute of Technology

Using Natural and Artificial Fibres (Jute and Nylon)	Priyadharshan					
Flexural Behaviour of Double Layered E Waste Concrete Beams	<b>Ms.B.N.Brinila Bright &amp; Mr.Manikandaprabu</b>	International Research Journal of Engineering and Technology	2018	0	0	Sethu Institute of Technology
Experimental Investigation on Replacement of Fine Aggregate with Demolished Construction Materials	<b>Ms.A.Subalakshmi, Mr.S.Vignesh Karthick</b>	International Journal of Innovative Research in Science Engineering & Technology	2018	0	0	Sethu Institute of Technology
Behaviour of Basalt fiber Reinforced Polymer Structural Reinforced Concrete Beam Element	<b>Mr.P.Rajeswaran &amp; Mr.J.Karthick Kumar</b>	International Journal of Innovative Research in Science Engineering and Technology	2018	0	0	Sethu Institute of Technology
Experimental Investigation and Cost Analysis of Light Transmitting Concrete	<b>Mr.T.G.Ramkumar, Mr.G.Sakthivel, Mr.S.B.Saleem Zahir Hussain &amp; Mr.K.Subash</b>	International Journal of Creative Research Thoughts	2018	0	0	Sethu Institute of Technology
Experimental	<b>Ms.D.Rebekhal, Mr.M.Aravind,</b>	International Journal of	2018	0	0	Sethu Institute of

investigation on cement mortar blended with many silica synthesized from rice husk ash	Mr..Balamurugan & Mr.R.Ajithkumar	advanced research trends in engineering and Technology				Technology
Efficient file sharing mechanism in P2P using energy efficient clustering mechanism	<b>M.Radhakrishnan</b> , P.Arockiamary	International Journal of Applied Mathematics and information sciences	2018	0	0	Sethu Institute of Technology
Optimize Cram on Convention al Network-on-Chip Using ELIDER	P. Senthil Pandian, S. <b>Sridevi</b>	Taga Journal	2018	0	0	Sethu Institute of Technology

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	-	324	20	-
Presented papers	-	1	-	-
Resource Persons	-	20	-	-

### 3.5 Consultancy

#### 3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
MECH	Machining the spacers on both sides (FZ500714 and FG500114)	Sun Pressing Pvt.Ltd, Madurai	Rs.10892/-

ECE	A systematic review of Energy harvesting Using Biosensors	Indian Institute of Science and Education Research (IISER)	Rs.5000/-
EEE	Power Quality and Energy Audit	Prabhu Paint Industries	Rs.10000/-
IT	Website	Agri First	Rs.6500/-
	Website	Jaya Tyres	Rs.6000/-
	Website	Church	Rs.5000/-
CIVIL	Compressive Strength of Concrete Cubes	Annai Associates Pvt Ltd, Madurai	Rs.57800/-
	Compressive Strength of Concrete Cubes	Arawind constructions Madurai	Rs.7200/-
	Compressive Strength of Concrete Cubes	Bondada Engineering Pvt Ltd, Madurai	Rs.5400/-
	Compressive Strength of Concrete Cubes	SreeVigneshwara Constructions, Chennai	Rs.7200/-
	Compressive Strength of Concrete Cubes	Vishaal Promoter's Pvt Ltd, Madurai	Rs.1200/-
	Compressive Strength of Concrete Cubes	Kunthavai Telecom Pvt Ltd, Madurai	Rs.7800/-
	Compressive Strength of Concrete Cubes	T.V.S Logistics Pvt Ltd, Chennai	Rs.600/-
	Compressive strength of cement mortar	M Kube QS and contractors LLP, Madurai	Rs.500/-
	Compressive strength of paver blocks	Meenakshi Paverblocks kodakovil	Rs.3000/-
	Compressive strength test	Tamilnadu Police Housing Corporation, Madurai	Rs.1200/-

### 3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
-	-	-	-	-

### 3.6 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated in such activities	Number of students participated in such activities
Rally on voters ID	Thasildar Office, Kariapatti on behalf	S.Shanmugam AP/MECH NSS PO Units-1	300 students

	of Election Commission	SVK.Muthukumar AP/IT NSS PO Units-2	
Electoral Roll Revision Camp for Voter's ID	Thasildar Office, Kariapatti on behalf of Election Commission	S.Shanmugam AP/MECH NSS PO Units-1 SVK.Muthukumar AP/IT NSS PO Units-2	For all the students & faculty members
Charity Box Placement	Meenakshi Mission Hospital & research Centre Madurai	SVK.Muthukumar AP/IT NSS PO Units-2	Placed AT canteen
Rally on International day for Disaster Reduction	Thasildar Office, Kariapatti	S.Shanmugam AP/MECH NSS PO Units-1 SVK.Muthukumar AP/IT NSS PO Units-2	300 students
Celebrating Life	Sethu Institute of Technology	S.Ramesh kumar	51
Blood donation Motivation Program	Sethu Institute of Technology	S.Ramesh kumar	20

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
First Prize Award for 2016-2017 blood donation	First prize	Meenakshi Mission Hospital & research Centre Madurai	-
Republic Day Parade at New Delhi	-	Anna University, Chennai	Selvan M.Venkateshwaran (IV year EEE)
Best Motivator Award	-	Meenakshi Mission Hospital & research Centre Madurai	<b>Received by NSS Programme Officers</b> 1. S.Shanmugam (SIT-NSS Units-1) 2.SVK.Muthukumar (SIT-NSS Units-2)

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/	Name of the activity	Number of teachers co-ordinated such	Number of students
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	collaborating agency		activities	participated in such activities
CSR Activity	TVS Sundaram Fashioners Krishnapuram	Awareness program on Road safety	<b>NSS Programme Officers</b> 1. S.Shanmugam (SIT-NSS Units-1) 2.SVK.Muthukumar (SIT-NSS Units-2)	200
Swachh Bharat india	Organised at Kalkurichi & kambikudi village by SIT NSS Units	Special camp	<b>NSS Programme Officers</b> 1. S.Shanmugam (SIT-NSS Units-1) 2.SVK.Muthukumar (SIT-NSS Units-2)	100
FSSAI	Food Safety Officers, Virudhunagar	Essay Competition	SVK.Muthukumar (SIT-NSS Units-2)	100
Public Election Department Tamilnadu	Thasildar Office, Kariapatti on behalf of Election Commission	Ralley on Voters ID	<b>NSS Programme Officers</b> 1. S.Shanmugam (SIT-NSS Units-1) 2.SVK.Muthukumar (SIT-NSS Units-2)	300

### 3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Extension Lecture, Indian Institute of Science, Bangalore	Dr. K Sakthipandi	Centre for Continuing Education, Indian Institute of Science, Bangalore	26.03.2018 & 27.03. 2018
Joint Workshop with Neutron Diffraction Neutron Scattering Society of India (NSSI)		Board of Research in Nuclear Sciences, Mumbai	30.05.2017 & 31.05. 2017

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
<b>COMPUTER SCIENCE AND ENGINEERING</b>				
On-The-	On-The-	Ms.Naveena, HR,	21.08.2017 to	Guru Priya.R



Job Training	Job Training	AMPHI SOFT, naveena@amphisoft.co.in	14.07.2018	
On-The-Job Training	On-The-Job Training	Mr.N.Sunil, General Manager & HR, SOLARTICS, Sunil_n@solarties.com	02.01.2018 to 31.03.2018	Karthik Raja.V
On-The-Job Training	On-The-Job Training	Mr.Anand, HR, L CUBE, magdoomali@glenwoodsystem.com	22.01.2018 to 01.05.2018	Harinni.B Nandhini.R Narmatha.K
On-The-Job Training	On-The-Job Training	Mr.R.Satish HR, ASPIRE, Satish.rajendran@aspresys.com	17.01.2018 to 30.03.2018	Aruna Devi Ashik Ahmed Logeshwari.R
On-The-Job Training	On-The-Job Training	Mr.Karthick Excutive HR, DATA PATTERN, karthick@datapatterns.co.in	17.01.2018 to 06.04.2018	Vignesh Raja.P
Project Work	Automatic tool for provisioning of resources in cloud environment	Sify Pvt.Ltd	02.01.2018 to 03.05.2018	Ajay Kumaresh
Project Work	Online Based Fee Management and NO Due Application for College	Mr.Anand, HR, L CUBE, magdoomali@glenwoodsystem.com	22.01.2018 to 01.05.2018	Harinni.B
Project Work	Billing Glaceemr	Mr.Anand, HR, L CUBE, magdoomali@glenwoodsystem.com	22.01.2018 to 01.05.2018	Nandhini.R
Project Work	Billing Glaceemr	Mr.Anand, HR, L CUBE, magdoomali@glenwoodsystem.com	22.01.2018 to 01.05.2018	Narmatha.K

Project Work	Job Search Engine	Mr.R.Satish HR, ASPIRE, Satish.rajendran@aspiresys.com	17.01.2018 to 30.03.2018	Aruna Devi
Project Work	Work environment management	HCL Technologies	02.01.2018 to 03.05.2018	Arjun Pandi. G.M
Project Work	Helper at your Doorstep	Mr.Karthick Excutive HR, DATA PATTERN, karthick@datapatterns.co.in	17.01.2018 to 06.04.2018	Vignesh Raja.P
<b><i>ELECTRONICS AND ELECTRICAL ENGINEERING</i></b>				
Internship	Internship	CodeBindTechnologies, Coimbatore	27 <sup>th</sup> June 2017 to 1 <sup>st</sup> July 201	M.Sindhuja
				S.ShifayaRilana
				T.Shanthi
				S.Ranjitha
				S.RisothiyaParveen
				S.SanthanaMeena
				J.Subiksha
				R.RumamaBanu
Internship	Internship	StyxInfothech, Bangalore	01 Dec 2017 to 30 <sup>th</sup> Dec 2017	A.Venkatesh
Internship	Internship	Amogaa Products Pvt Ltd, Madurai	14 <sup>th</sup> Dec 2017 to 29 <sup>th</sup> Dec 2017	G.VijayaRaghavan
				U.Venkatesan
				P.Vignesh
				B.VigneshBagavathi
				Sowparnika
Internship	Internship	Mistral Solutions Pvt Ltd, Bangalore	3 <sup>rd</sup> Jan 2018 to 31 <sup>st</sup> Jan 2018	V. Thayumanavan
Internship	Internship	Zebros Electronics India Pvt Ltd	17 <sup>th</sup> Jan 2018 to 3 <sup>rd</sup> March 2018	S.Gayathri
	Internship			B.Deepa
Internship	Internship	ZF Electronics TVS(India) Pvt Ltd, Madurai	19 <sup>th</sup> Feb 2018 to 9 <sup>th</sup> March 2018	J.KauveriDharsini
Internship	Internship	Tabono Sports & Event Pvt Ltd	20 <sup>th</sup> July 2017 to 12 <sup>th</sup> Sep 2017	P.Vignesh
Internship	Internship	Aspire Systems India Pvt Ltd	18 <sup>th</sup> Jan 2018 to	T.Karthika

			31 <sup>st</sup> March 2018	
	Internship			Lakshmi Priya.B
Internship	Internship	StyxInfothech, Bangalore	01 Dec 2017 to 30 <sup>th</sup> Dec 2017	T.Balaji Kumar
Internship	Internship	Vuram Technology Service Pvt Ltd	18 <sup>th</sup> Jan 2018 to 31 <sup>st</sup> March 2018	M.Shanmugasudhan
Internship	Internship	Dot Com Infoway Ltd, Madurai	19 <sup>th</sup> June 2017 to 5 <sup>th</sup> July 2017	S.Ishwarya Lakshmi
				S.Gayathri
				M.SamradulAfra
				P.ArchanaSai
Internship	Internship	HP Software University, Chennai	14 <sup>th</sup> Feb 2017 to 18 <sup>th</sup> Feb 2017	A.Maripandiyan
				Magalingam
				Manigandaprabhu
				Dinesh Kumar
				Arivarasan
				Abdul Khadir amen
				Mohamed hafiz Uzan
				Arunachalam
				Aravindh
Internship	Internship	The Zigma Technologies India Pvt Ltd	13 <sup>th</sup> June 2017 to 30 <sup>th</sup> June 2017	B.Shyamala
Internship	Internship	VDIME Innovative Works Pvt Ltd	2 <sup>nd</sup> Jan 2017 to 30 <sup>th</sup> June 2017	S.Hari Kishore
Internship	Internship	Aadhi Global Technologies, Madurai		P.Poorani
Internship	Internship	Sharp Gaze Tech services Pvt Ltd	18 <sup>th</sup> Jan 2017 to 18 <sup>th</sup> April 2017	R.Pandiyarani
Internship	Internship	Base Electronics & Systems, Chennai	16 <sup>th</sup> June 2016 to 31 <sup>st</sup> July 2016	S.Sowbarnika
				A.ShanthiMeena
				S.G.Logidha Shree
Internship	Internship	VDIME Innovative Works Pvt Ltd	27 <sup>th</sup> June 2016 to 31 <sup>st</sup> August 2016	S.Hari Kishore
Internship	Internship	Amogaa Products Pvt Ltd, Madurai	27 <sup>th</sup> Nov 2017 to 30 <sup>th</sup> Dec 2017	M.Pooja Lakshmi (III-B)
Internship	Internship	BSNL,Madurai	1 <sup>st</sup> Dec 2017 to	A.Priyanka(III-

			17 <sup>th</sup> Jan 2018.	B) M.Jeyasuriya(III -B)
Internship	Internship	CodeBind Technologies, Coimbatore	27 <sup>th</sup> Dec to 31 <sup>st</sup> Dec 2017	R.RamaPrabha
Internship	Internship	Elysium Technologies, Madurai	3 <sup>rd</sup> Jan 2017 to 7 <sup>th</sup> Jan 2017	T.Surya N.U.Samli M.Vaishnavi R.Sivaranjani
Internship	Internship	RailnetSoftare solutions	12 <sup>th</sup> Jan 2017 to 17 <sup>th</sup> Jan 2017	T.Suriya I.Sweetlin M.Vaishnavi N.U.Samli
Internship	Internship	RailnetSoftare solutions	3 <sup>rd</sup> Jan 2017 to 7 <sup>th</sup> Jan 2017	S.Suriya Kala
Internship	Internship	BSNL- Madurai(Tower Technician)	2 <sup>nd</sup> Dec 2017 to 17 <sup>th</sup> Jan 2018	T.Suriya N.U.Samli M.Vaishnavi G.Anju B.Swathi(168) T.Varsh A.Yogaa A.Seeni Syed Ali Fathima L.Visali B.Swathi(167)
Internship	Internship	Kaashiv Info Tech, Chennai	24 <sup>th</sup> Aug to 28 <sup>th</sup> Aug 2017	N.U.Samli
Internship	Internship	BSNL- Madurai	26 <sup>th</sup> Dec 2017 to 30 <sup>th</sup> Dec 2017	R. Vijayalakshmi V.Thavaselvi L.Visali T.ShanmugaSun dari A.P.ThersalSaro ja S.Ranjitha M.Swetha M.Sonia A.Yoga R.Sruthi
Internship	Internship	BSNL- Madurai	1s June 2018 to 9h July 2018	R.Sivaranjani
Internship	Internship	Code bind Technologies	27 <sup>th</sup> July 2017 to	S.Santhana

			1 <sup>st</sup> Aug 2017	Meena T.Shanthi M.Sonia S.Ranjith
Internship	Internship	Kaashiv Info Tech, Chennai	24 <sup>th</sup> Aug 2017 to 28 <sup>th</sup> Aug 2017	B.Swathi(168)
				S.Shanmuga Priya
Internship	Internship	BSNL-Madurai(Broadband Technology)	29 <sup>th</sup> May 2018 to 9 <sup>th</sup> July 2018	R.Harini
Internship	Internship	BSNL-Madurai(Optical Fiber Splicing)	12 <sup>th</sup> June 2018 to 25 <sup>th</sup> June 2018	M.Kanchana Devi
				H.Aruna Devi
				V.Haripradha
				A.Ishwaryalaks hmi
				P.Haritha
				R.Bhavani
				A.Aarthi
				P.Deepa
				V.Dhivya
				P.Dhivya Bharathi
				V.Haripriya
				G.N.Dhanalaksh mi
S.Dhivya				
Internship	Internship	BSNL-Madurai(OFC)	11 <sup>th</sup> June 2018 to 25 <sup>th</sup> June 2018	S.Harish Kumar
				R.Gokul
				P.Dineshkumar
				G.DineshPonraj
				S.J.Haresh Babu
Internship	Internship	Gift Smile Dental Centre	1 <sup>st</sup> June 2018 to 30 <sup>th</sup> June 2018	A.Fardhan Ahmed
INFORMATIONTECHNOLOGY				
Internship	Developer	Vuram Technologies,Chennai	From 11 <sup>th</sup> November 2017 (6 months)	Sofia Fathima Mohamed kani
Internship	Developer	Buddi Health Systems,Chennai	From Jan 2018	Bhuvaneswaran
Internship	Developer	Absorb Technologies,Madurai	From Mar 2018	Rathnadevi
Internship	Developer	Jad Focus,Madurai	From 9 <sup>th</sup> Feb 2017 ( months)	Manjula
CIVIL ENGINEERING				
Internship	Internship	Sewage treatment Plant,	19.12.2017	Alagar raja.S

		Avaniyapuram	to 31.12.2017	Allwin.E.H Arunkumar.B Ashib khan.A Balaji.G Dhamotharan.K Ganesh raja.k Gowtham.B Madhusudhanan .B Prakash.R Santhosh.r Arun.K A.Arivumalai Karuppusamy
Internship	Internship	Southern Railway, Madurai	4.12.2017 to 30.12.2018	Jeevprakash.R Muthukumar.L Niraj.K Prasanna.R Prithivi Raja.M J.Nagaraj.
Internship	Internship	Barakath Constructions, Kariapatti.	4.12.2017 to 31.12.2017	Siddarth.K Siva Shakthi.N Manoj.M Sivaramakrishna n.S Subramanian.R Theivendran.P
Internship	Internship	Max Properties, Madurai	4.12.2017 to 03.01.2018	Ahamed Bhadhusa.k Ayyanar.T Ayyappa Raja.g Jenifer Shaline.J Arun Pandian.S
Internship	Internship	Space designers & constructions, Chennai.	4.12.2017 to 17.12.2017	Syed Ibrahim Ali Vigneshwar.K Yushwanth Raj.C
Internship	Internship	Jayabharath Home private limited, Umachikulam	4.12.2017 to 18.12.2017	Shivaraman.G Thanajaya Chadhurvedi. M
Internship	Internship	Uniq technologies, Chennai.	1.12.2017	Harun anith.K

			to 14.12.2017	Nandhagopal.V Rajeshkanna.K Uduman afridi.P Valliapan.V
Internship	Internship	CECRI, Karaikudi	1.12.2017 to 31.12.2017	Vandhana.M
Internship	Internship	Swan Consulting Civil Engineers, Chennai	1.12.2017 to 31.12.2017	Abdul Basith.M Abdul Rahuman.r Anwar Hussain.S
Internship	Internship	Thirumalai Builders, Thirumanagalam	1.12.2017 to 31.12.2017	Nirmal.A
Internship	Internship	G.K.Shetty builders, Chennai.	1.12.2017 to 31.12.2017	Sathispathy.S
Internship	Internship	CADD Master 5C, Madurai.	1.12.2017 to 09.01.2018	P.S.Abilasha S.Noor Nasifa G.Dharani P.Poornima Ms.S.Priyanga Ms.Patel Sheikha Mohammed Hanif
Internship	Internship	LK Structural consultants, Madurai.	27.11.2017 to 24.12.2017	Sasikumar.M Sivashankar.R
Internship	Internship	Hani Engineering Private limited, Chennai.	27.11.2017 to 30.12.2017	Shankar Ananth.M
Internship	Internship	Madura bricks, Madurai.	25.11.2017 to 29.12.2017	Vishnuraja.B Wasim khan.S
Internship	Internship	Er.A.Athithan, Consulting Civil Engineers, Theni.	22.11.2017 to 19.12.2018	Kalimuthu.K
Internship	Internship	Southern Railway, Madurai	07.09.2017	Anburaja G Dharan Kumar G

				Saravanamukes h T Ramvijay R Mathan Kumar M Chandra Prabu K Logeswari J Thandeeswaran J M Thangavignesh S Dhanaraja V Janardhanan R Kabilan M Madhumitha R Kohila K Rajganesh B Venkateshprasa d K Swaminathan G JeyaPragash S Karthikeyan S Sathishkumar G Vignesh M Vinothkumar C Nirmal Kumar D Mohanraj M Ramarajan S Manoj K Balaguruganapa thi Aakash H Hari Rama Pandiyan M VikramDayanith y B Vinoth.A Abdul Basith A Deepanchakrava rthi K HariPrasannaVe
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				nkatesh K Subash Dinesh P Dinesh Kumar P Gnanasekaran M R Ajithkumar M Balasubramania m
Internship	Internship	Highways Department, Dindigul.	03.07.2017 to 20.07.2017	Gautham.S.N Premkumar T Rajprabhakar.K
Internship	Internship	Gladway Housing, Madurai.	26.06.2017 to 10.07.2017	Ramesh.M
Internship	Internship	Unic Associates, Chennai.	26.06.2017 to 11.07.2017	Nijanthan.G PandiMaharajan .M Muthuraman K Nagarajan.R Muthukumar V
Internship	Internship	Muthu Construction, Madurai.	26.06.2017 to 16.07.2017	MuthuhariPrasa kash.R Mohammed SafikurRahman. M
Internship	Internship	T.S.Janarthanan Structural Engineer, Madurai.	24.06.2017 to 08.07.2017	Vijay.S Santhosh.R Santhosraj.M
Internship	Internship	R P Construction, Madurai.	22.06.2017 To 07.07.2017	Sangeetha.C SasiIshwarya.T Vaduhalakshmi. S
Internship	Internship	ErN.Baskaran, Madurai.	22.06.2017 to 07.07.2017	VanithaSree.M
Internship	Internship	U G Construction Limited, Chennai.	20.06.2017 to 07.07.2017	Sujitha.R SabariRajan .K SamuthiraPandi yan . P SathamHussain

				.A Syed Ali Badusha. A Sathish Kumar .B
Internship	Internship	Srinivasan Associates, Coimbatore.	20.06.2017 to 27.06.2017	Pireetham.N
Internship	Internship	Public Works Department, Arrupukottai.	19.06.2017 to 03.07.2017	Monikkah.A MukilaPreethi R MuthuPriya.C Pravina.M Nandhini K
Internship	Internship	D M Construction, Madurai.	18.06.2017 to 06.07.2017	ThavaManikand an.K
Internship	Internship	N.M.S Shiyam, Madurai,	17.06.2017 to 26.06.2017	Anand V
Internship	Internship	U N I Q Technologies, Chennai.	17.06.2017 to 19.06.2017	FarziArafath.A
Internship	Internship	National Highways Authority Of India, Karaikudi	15.06.2017 to 25.06.2017	Aravind.M
Internship	Internship	Sethu Construction, Madurai.	15.06.2017 to 30.06.2017	Balaji K. Chakravarthy S JeyaMurugan S
Internship	Internship	National Highways Authority Of India, Karaikudi.	15.06.2017 to 25.06.2017	Vinothkumar.R SathishKumar.U Sethuraman @ Karthick.R
Internship	Internship	Public Works Department, Arrupukkottai.	12.06.2017 to 24.06.2017	Vivek Kumar. N Ramkumar R
Internship	Internship	Southern railway, Madurai division	12.06.2017 to 16.06.2017	Mohamed Aziz.S
Internship	Internship	De Zodiac Erecters, Madurai.	12.06.2017 to 30.06.2017.	Kathirvel.M Ananth.C

Internship	Internship	Vel Construction, Madurai.	12.06.2017 to 28.06.2017	Abilasha.P.S Aruna.R
Internship	Internship	Sri Kanaha Construction, Madurai.	12.06.2017 to 24.06.2017	Abudurab Mohamed Mydeen.A AhamedTarick. S
Internship	Internship	Krishna Enterprises, Bangalore.	12.06.2017 to 26.06.2017	Harshavardhan. S.K
Internship	Internship	Southern railway, Madurai division	12.06.2017 to 16.06.2017	Pandi Siva C Raja Ganapathi.S Rajkumar B Raja Ganapathi.S Muhilarasu G
Internship	Internship	Jkay Associates, Madurai.	12.06.2017 to 24.06.2017	RedlinNisha.J
Internship	Internship	DE Zodiac Erectors, Madurai.	12.06.2017 to 30.06.2017	Chandra sekar.C
Internship	Internship	Gopal Construction, Thirumangalam	11.06.2017 to 11.07.2017	Rajesh.M
Internship	Internship	Pandiyan Construction, Karaikudi.	10.06.2017 to 25.06.2017	Raveena.R
Internship	Internship	Public Works Department, Sivagangai.	10.06.2017 to 24.06.2017.	Kamini M
Internship	Internship	Mallika Construction, Chinnamanur.	10.06.2017 to 20.06.2017	Aravinth.K Balamurugan.V Balasubramania n.R Deenadhayalan. G.K Fazilrahman.M ArunKumar.R

				Gokulraja.M GokulaKannan. N Ram Singh L Ajithkumar.R
Internship	Internship	Public Works Department, Sivaganagai.	10.06.2017 to 24.06.2017	Joshy.J Laksshmipriya B Karthika G Kanimozhi.P
Internship	Internship	Rural Development & PanchayatRaj, Aundipatty.	07.06.2017 to 23.06.2017	KarthickKannan R JeyaGowri.B Jeyalakshmi S
Internship	Internship	Vel Bricks, Madurai.	07.06.2017 to 30.06.2017.	Prakash S Padmanaban.K PandiBalaji.R Ramu.A Ranjithkumar.R Praveen Kumar A
Internship	Internship	Rural Development & PanchayatRaj, Aundipatti.	07.06.2017 to 23.06.2017 .	Joan AntoRanjith.X KalaiarasuPandi an.T
Internship	Internship	M.Arunachalam Projects and Infrastructure Limited, Chennai.	07.06.2017 to 21.06.2017 .	Kaliraj N
Internship	Internship	Saroj Associates, Arrupukottai	06.06.2017 To 22.06.2017 .	AadhithaPandian. P A K Ajithkumar.S Arjun.S AshhokKumar.S .V.S Ashwinkumar.S. V Athithiyan P Balasubramani. M HariPrasad.B
Internship	Internship	Ganesh Construction, Kariapatti.	05.06.2017 to	Senthilkumar.M SharafathNihal.J

			18.06.2017	SharathBabu.P
Internship	Internship	Akshaya Private Limited, Chennai.	05.06.2017 to 17.06.2017	SheickAhamedI brahim.S Silambarasan.R Surendar S UdhayaKumar. U
Internship	Internship	S K Y 5 Builders, Madurai.	05.06.2017 to 22.06.2017	DhufailAhamed. H
Internship	Internship	Er.G. Saravanan, Madurai.	05.06.2017 to 20.06.2017.	Eswaran.K
Internship	Internship	Aswad Promoters, Madurai.	05.06.2017 to 23.06.2017.	Feroskhan.A
Internship	Internship	R K Construction, Madurai.	05.06.2017 to 24.06.2017	Sheik Dawood.A
Internship	Internship	Ganesh Construction, Kariapatti.	05.06.2017 to 18.06.2017.	Siva.K.M Sivanesahwaran .P Sriram.M Subhasri S
Internship	Internship	Hayakriva Associates &Builders, Madurai.	05.06.2017 to 18.06.2017.	SrinivasagaPeru mal.R
Internship	Internship	Rural Development & PanchayatRaj, Kalligudi.	05.06.2017 to 20.06.2017.	Prabhu S PradeepRaj.P Ragunath.P
Internship	Internship	UG Constructions, Chennai.	05.06.2017 to 19.06.2017.	Priyanga.S Patel SheikhaMoham medhanif Nithya M Poornima P Manisha Sri P
Internship	Internship	VPK Construction, Coimbatore.	05.06.2017	Raja T

			to 20.06.2017	
Internship	Internship	Public Works Department, Aruppukottai	05.06.2017 To 23.06.2017	Kalidass.S Mohammed Ashik.A Kannan G
Internship	Internship	PSK Engineering Contractors, Mangalore.	05.06.2017 to 20.06.2017 ..	Maruthu M
Internship	Internship	KRS Builders, Madurai.	05.06.2017 to 16.06.2017 ..	Mohammed Javith Ali G
Internship	Internship	Public Works Department, Virudhunagar	05.06.2017 To 16.06.2017	Kannan G Kannan M Jegatheeshpandi M Ilamaran.M
Internship	Internship	Public Works Department, Madurai.	05.06.2017 To 16.06.2017	Kannan M Karthickpandi R Karthickraja.S Karthikeyan.S Karthikeyan.S(1 6/11/1996) Karuppasamy R Mani Rathinam.B.V
Internship	Internship	G Construction Virudhunagar.	05.06.2017 to 24.06.2017	Karunakaran K Mohamed Fiyaz.F Baskar M
Internship	Internship	Public Works Department, Aruppukottai	05.06.2017 To 24.06.2017	Kishorekumar.D
Internship	Internship	Rural Development & Panchayat Raj, Kalligudi.	05.06.2017 to 20.06.2017 .	Mohan Pandi.G
Internship	Internship	Civil Point Engineers & Valuers, Madurai.	05.06.2017 to 20.06.2017	Nagarjun.K

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Internship	Internship	Sivakasi Municipality Board, Sivakasi.	05.06.2017 to 16.06.2017	Baskaran K Senthil Kumar .P MuthuRamacha ndran.D Muruganantham .M KarthickPandi S Dinesh Kumar M Hussaine Mohamed M Jayaraman K Manimaran N Madanraj.A Manikandan.V Pradeep.R JaiulAbudeen.S
Internship	Internship	N J K Engineering & Builders, Madurai.	05.06.2017 to 24.06.2017	Vinothkumar M Vinothkumar.P Sakthivel.G SaleemZahirHus sain.S.B Vasanthan V M Muthuram.M Mithun.D Srinath.S Subash.K Rajkumar.S Pandi Guru Moorthi.P Sasidharan.J Hariparamesh T
Internship	Internship	Ganesh Construction, Kariapatti.	05.06.2017 to 18.06.2017.	Seshamahalinga m.M.S Surya. P Suresh S Vishnu.M SabariKannan.S
Internship	Internship	S K Y 5 Builders, Madurai.	05.06.2017 to 22.06.2017	Yahya.A

Internship	Internship	M.Subramanian Civil Engg Contractor	03.06.2017 to 16.06.2017	Vivitha A
Internship	Internship	U N I Q Technologies, Chennai.	02.06.2017 to 15.06.2017	Vibesh.D Rajesh V Arisivamani L AshikurRahman .A BalaMurugan.V Harish Priyadharshan T Basith.P.A Beer Mohamed Sareef.S.H Mohamed Nihal P A Ajithkumar.A
Internship	Internship	Sumanth & Co, Chennai.	02.06.2017 to 17.06.2017	Nivedhidha.M Noor Nasifa S Ponjeevana.S
Internship	Internship	A K Construction, Theni.	26.05.2017 to 10.06.2017.	Alagusundaram oorthi M Amarnath.H Arul Murugan A. Arunpandi T Ajithkumar R Ajithkumar.R.S Balakrishnan.A Balasubramaniy an AL Barakath Ali A.
Internship	Internship	ErT.Ramakrishnan, Madurai.	03.05.2017 to 16.05.2017 .	VijayalakshmiP andit. R
Internship	Internship	Er.V.Muneeswaran Approved Valuer & Structural Consultant, Madurai	03.05.2017 to 16.05.2017	Hemalatha A Jemilapushparan i M Sangeetha.K Karthikeyan.M



				KaruppuRaja.N Lakshmi Narayana S R Mohamed Nowfal.K.M AmbikaRajasree .R Abdul Basith.R Achithra.M VenuKumari.P Sowmiya G Dharani.G Divakaran.J
3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year				
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs	
MECHANICAL ENGINEERING				
Imperial Society of Innovative Engineering (ISIE), Noida	Sep 2018	Competitions & Training	Nil	
Escorts training and development centre, Bangalore	June 2018	Training	Nil	
Sun Pressing (P) Ltd, Madurai.	Jan 2018	Training	Students-427 Teachers -17	
ASMAA JK Pressing Pvt.Ltd., Madurai	Feb 2017	Training	Nil	
Dharmarathina Textile (P) Ltd., Aruppukottai	Feb 2017	Training	Nil	
Binary Technosoft, Advanced tooling and Plastics product development centre (Unit of CIPET)	Oct 2016	Training	Nil	
COMPUTER SCIENCE AND ENGINEERING				
Abserve Tech Pvt Ltd	27.04.18	• To provide free awareness program, seminars, take part in the	All final year students & faculty members.	

		development of curriculum activities. • Provide certificates for qualified students. • Provide placement assistance to students who are eligible as per norms.	
<b>CIVIL ENGINEERING</b>			
CADD Master 5c Training Centre, Madurai	04.01.2018	Training and placement	12
<b>CHEMICAL ENGINEERING</b>			
Sim Infosystem Private Limited	09/03/18	Provide Simulation facilities. Guest lectures. Bridge courses. Workshops every year. Execution of student projects, internships faculty training. Placement Opportunities. Curriculum design and development.	Students – 112 Teachers - 6
<b>BIOMEDICAL ENGINEERING</b>			
Meenakshi Mission Hospital and Research Centre	09.04.2018	Student Training and Placement	-
Biovision	30.10.2018	Student Training and Placement	-

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2005 Lakhs	2007.99 Lakhs

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	132 acres	-
Class rooms	71 (5500m <sup>2</sup> )	-
Laboratories	79 (7792m <sup>2</sup> )	-
Seminar Halls	11 (1122.47m <sup>2</sup> )	-
Classrooms with LCD facilities	-	-
Classrooms with Wi-Fi/ LAN	All class rooms	-
Seminar halls with ICT facilities	8 (1056m <sup>2</sup> )	-
Video Centre	-	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	801	55
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs.3,53,87,464	Rs.16,49,415
Others		

### 4.2 Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
MODERNLIB	Fully	LIBASOFT Modules Update Version MODERNLIB	LIBASOFT-2002 MODERNLIB- 2016

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	59050	1,70,72,453.02	-	-	59050	1,70,72,453.02
Reference Books	1070	21,00,055.60	-	-	1070	21,00,055.60
e-Books	300	30,000	130330			
Journals	201	4,06,906	News papers-9	41004	201	4,47,910
e-Journals	600	-	600	16,18,349	600	16,18,349
Digital Database	J-Gate	-	J-Gate	1,51,406	J-Gate	1,51,406

	ASTM		ASTM		ASTM				
CD & Video	4655	-	-	-	4655	-			
Library automation									
Weeding (Hard & Soft)									
Others (specify)	887	1,98,492.08	-	-	887	1,98,492.08			
4.2.2 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				
COMPUTER SCIENCE ENGINEERING									
M.Mathinakani	Deep Learning & Robotics		Moodle		05.04.2018				
M.Poomani@ Punitha	Computer Communication and Networks - Course Material		Moodle		21.03.2018				
ELECTRONICS AND COMMUNICATION ENGINEERING									
Ms.G.Ramupriya Ms.Charanya Ms R.Devika	Digital communication		Google Classroom		06.03.2018				
4.3 IT Infrastructure									
4.3.1 Technology Upgradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Oth ers
Exis ting	1248	-	155	-	120	30	1079	155	19
Add ed	32	-	85	-	-	2	30	85	-
Tot al	1280	-	240	-	120	32	1109	240	19
4.3.2 Bandwidth available of internet connection in the Institution (Leased line) 200 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-Video Course				http://sitlib (intraweb site)					

#### 4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
75 Lakhs	37.52 Lakhs	1990 Lakhs	2012.18 Lakhs

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

##### **MAINTENANCE POLICY**

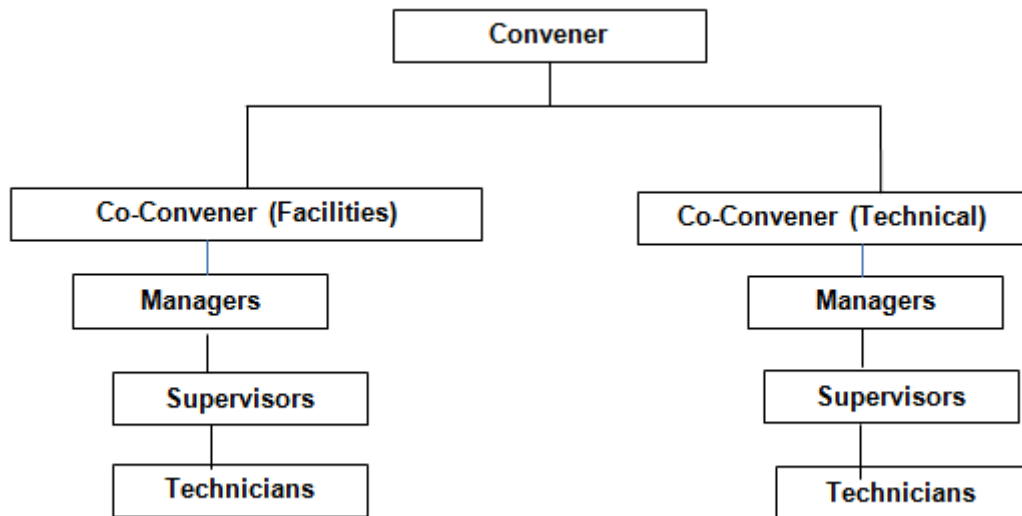
The College Maintenance Committee (CMC) of Sethu Institute of Technology is responsible for managing the maintenance function in the most cost effective manner possible while maximizing the useful life of units and properties and striving to provide the best service to the users. The following policy statements are designed to establish the structure of an effective and efficient maintenance system.

The overall objective of the Maintenance Department is to maintain, throughout its expected useful life, the interior and exterior of college buildings, the grounds, and the roadways, and all fixed and moveable equipment through preventive maintenance and repairs. Further, this objective is specifically intended to provide:

1. Buildings and their components that function safely and at top efficiency.
2. Facilities and equipment that minimize the possibility of fires, accidents, and safety hazards.
3. Continuous use of facilities without disruptions to the educational program.
4. Protection of college property through proper planning, scheduling, and preventive maintenance.
5. Quality management of maintenance projects and tasks.
6. Conservation of energy through utilization of the latest technology and energy conservation measures.
7. A quality maintenance program through effective management and efficient utilization of resources.

For the purpose of implementing these policies and procedures a Maintenance Cell is formed out of the members of the Maintenance Committee and the technical staff of SIT as organized below.

## MAINTENANCE CELL ORGANIZATION



The Convener and the Co-conveners of the Maintenance Committee of SIT will occupy the similar positions of the Maintenance Cell too. The Co-conveners will have a set of maintenance teams each for the works assigned to them. The Co-conveners shall report to the Convener who in turn will report to the Principal of SIT.

**CRITERION V - STUDENT SUPPORT AND PROGRESSION****5.1 Student Support****5.1.1 Scholarships and Financial Support**

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Fee Concession by the Management	215	55,60,200
Financial support from government	BC/MBC/DNC	1581	75,01,300
	SC/ST/SCC/SCA	223	1,11,90,000
		244	18,04,775
Financial support from other sources			
a) National	-	-	-
b) International	-	-	-

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

<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	01.04.2018	1196	INNATE TALENT, SIX PHRASE
Language lab	01.04.2018	584	-
Bridge Course	12.07.2017 to 01.09.2017	150	Internal faculty
Yoga	04.02.2018 to 27.04.2018	890	Vethathiri Maharishi Vazhga Valamudan Yoga
Personal Counselling and Mentoring	On need basis	All Students	Professional Counsellor available at the Campus

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

<b>Year</b>	<b>Name of the scheme</b>	<b>Number of benefited students by Guidance for Competitive examination</b>	<b>Number of benefited students by Career Counselling activities</b>	<b>Number of students who have passed in the competitive exam</b>	<b>Number of students placed</b>
2017-18	Career Guidance Cell	81	567	1	-

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year		
<b>Total grievances received</b>	<b>No. of grievances redressed</b>	<b>Average number of days for grievance redressal</b>
23	23	4
<b>5.2 Student Progression</b>		
5.2.1 Details of campus placement during the year		
<b>ON CAMPUS PLACEMENT</b>		
<b>Name of Organizations Visited</b>	<b>Number of Students Participated</b>	<b>Number of Students Placed</b>
AMPHISOFT TECHNOLOGIES,COIMBATORE	104	1
VURAM TECHNOLOGIES,CHENNAI	245	3
LADDER SURVEYING INSTITUTE OF TECHNOLOGY	10	3
VERNALIS,MADURAI	285	0
SOLARTIS TECHNOLOGY SERVICE,MADURAI	384	3
IDBI FEDERAL LIFE INSURANCE,COIMBATORE	459	77
KOTAK MAHINDRA LIFE INSURANCE,COIMBATORE	265	58
AMERICAN MEGATRENDS INDIA PVT. LTD.,CHENNAI	299	0
INDIAN NAVY,KOCHI	22	0
GLENWOOD SYSTEMS (L-CUBE)	254	3
HINDUJA GLOBAL SOLUTION	603	140
SOFT SQUARE,CHENNAI	204	1
PAY PAL,CHENNAI	205	0
ASPIRE SYSTEMS,CHENNAI	354	6
SH ELECTRONICS	155	0
HUNTER DOUGLAS	122	3
VINAYAK INFOTECH,CHENNAI	254	3
TATA CONSULTANCY SERVICE	567	17
ZOHO CORPORATION	372	0
DATA PATTERN	183	1
IVTL INFO VIEW,CHENNAI	100	1
Q MAX TEST EQUIPMENTS	40	0
V-INFRA PVT LTD	138	0
AMOGAA	112	10
JASMIN INFOTECH PVT LTD	203	2
CLUSTREX DATA PVT LTD	128	0
GOFRUGAL	500	0



ABSERVE TECH	142	9
SAVIC TECHNOLOGIES	282	10
SURIYAN FM	155	0
APPTIVO	95	2
ADS ASSOCIATES	195	5
SURE SOFT	334	5
INDOSHELL	230	10
ELYSIUM GROUP OF COMPANIES	182	0
HCL TECHNOLOGIES	346	0
V-DART	285	12
ARISTA	345	113
SUTHERLAND	584	29
RAJSYRIA AUTOMOTIVE	197	52
JUSTDIAL	346	13
CADD MASTER 5C	56	5
INFINITI SOFTWARE SOLUTIONS	98	1
JADFOCUS	42	0
SANMINA	222	5
WIPRO INFRASTRUCTURE ENGINEERING	112	5
SYRMA TECH	48	17
SOLARTIS TECHNOLOGY SERVICE(KPO),MADURAI	526	21
ELKAYEM AUTO ANCILLARIES (P) LTD.	134	9
GENCOR PACIFIC AUTO ENGINEERING PRIVATE LIMITED	108	15
TRIUMPH SOLUTIONS PVT LTD	83	1
3D MAKERS CADD ACADEMY	64	12
ZEALOUS	348	37
APPASAMY ASSOCIATES	32	10
SRI MOOKAMBIKA INFOSOLUTIONS PVT LIMITED	89	0
TESTANDVERIFICATION	44	0
<b>OFF CAMPUS</b>		
<b>Name of Organizations Visited</b>	<b>Number of Students Participated</b>	<b>Number of Students Placed</b>
ODESSA TECHNOLOGIES,BANGLORE	20	0
IVTL INFO VIEW,CHENNAI	123	0
VERYX TECHNOLOGIES,CHENNAI	114	0
TESSOLVE SEMICONDUCTORS,BANGLORE	40	0
MBIT WIRELESS,CHENNAI	29	0
GODBTECH	162	0

NEEYAMO ENTERPRISE SOLUTIONS PVT LTD	217	1
SIMSER CONTROLS AND SYSTEM	64	10
CADENCE,CHENNAI	69	0
NANOLITHO TECHNOLOGIES	117	0
INVENT SOFT LABS INDIA	241	1
VANJAX PVT LTD	29	3
ABIBA SYSTEMS,BANGLORE	286	0
RASING STARS MOBILE INDIA PVT LTD	54	1
DATA PATTERN	60	0
COSTAL ENERGEON	10	0
DISHA INTERIOR	48	0
MERCURY FITTINGS	30	1
INFOSYS	280	6
ZANUSYS SOFTWARE TECHNOLOGIES	56	1
AMBC TECHNOLOGIES	32	1
VEL BRICKS	48	2
THIRDWARE	54	0
GLOBAL PROJECTS GEO SURVEY INVESTIGATION	45	3
BUDDI HEALTH	34	1
MITSUBA SICAL	82	5
JOTHI ELECTRICALS	12	0
HCL TECHNOLOGIES	180	1
JM FRICTECH	48	5
MADRAS ENGINEERING PRIVATE LTD, CHENNAI	40	7
KAY JAY FORGING	80	24
VINAYAGA BODY BUILDING	68	2
Brakes India	6	0
MYUNGHWAA AUTOMOTIVE Pvt Ltd	7	7

#### 5.2.2 Student progression to higher education in percentage during the year 2017-2018

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
<b>MECHANICAL ENGINEERING</b>					
2017	BalaKumar.R	B.E. MECH	MECH	SRM University	MBA
	Dhamodharan.M	B.E. MECH	MECH	University of Madras	MBA

	Mohamed Hussain.K	B.E. MECH	MECH	Hindustan University	MBA
	RAKHESH KHUMAAR.S.S	B.E. MECH	MECH	Kamaraj College of Engineering & Technology	M.E
<b>COMPUTER SCIENCE ENGINEERING</b>					
2014	Uma Maheswari M	B.E. CSE	CSE	Sethu Institute of Technology, Kariapatti	M.E.
2017	Valaguru K	B.E. CSE	CSE	Thiagarajar School Management, Madurai	M.B.A .
	Vishrutha T	B.E. CSE	CSE	Thiagarajar College of Engineering, Madurai	M.E.
	Merlin Sheeba Rani J	B.E. CSE	CSE	Sethu Institute of Technology, Kariapatti	M.E.
	Ramakrishna A	B.E. CSE	CSE	Mepco Schlenk Engineering College, Sivakasi	M.B.A .
	Hemalatha.T	B.E. CSE	CSE	Mepco Schlenk Engineering College, Sivakasi	M.E.
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>					
2017	Padmavathi .K	B.E. ECE	ECE	Amirtha University, Coimbatore	M. TECH
	Priyanka.L	B.E. ECE	ECE	Mepco Schlenk Engineering College	MBA
	Durgadevi .M	B.E. ECE	ECE	Sethu Institute of Technology	M.E (COS)
	Balaji	B.E. ECE	ECE	Sri Sairam Engineering College	MBA
	Lavanya.M	B.E. ECE	ECE	Mepco Schlenk Engineering College	M.E (COS)
	Jeya brindha.F	B.E. ECE	ECE	Kalasalingam University	M.E (VLSI)
	Gowri sangari.B	B.E. ECE	ECE	PSNA College of Engineering & Technology	MBA
	Shanmuga priya.M	B.E. ECE	ECE	Madurai School of Management	MBA
	Kiruthika.D	B.E. ECE	ECE	Thiagarajar College of Engineering	M.E (COS)
	Vigneshwari.KK	B.E. ECE	ECE	Thiagarajar College of Engineering	M.E (COS)
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>					
2018	M.Mohamed Fahim	B.E. EEE	EEE	PSG College of Technology	MBA

	P.Kasthuri	B.E. EEE	EEE	Sethu Institute of Technology	M.E
	R.Bavathaarini	B.E. EEE	EEE	Paavai Institute of Management	MBA
	Shalini.M	B.E. EEE	EEE	RL Institute of Management Studies	MBA
	Udhaya Sankar.K	B.E. EEE	EEE	RL Institute of Management Studies	MBA
	Vinitha.M	B.E. EEE	EEE	PSGR Krishnammal College for women, Gr. school of Management Studies.	MBA
<b>INFORMATION TECHNOLOGY</b>					
2017	DIVYAPRABHA.M	B.Tech. IT	Information Technology	Thiagarajar College of Engineering, Madurai	Computer Science and Information security
	GOWTHAM.S	B.Tech. IT	Information Technology	Waiko Institute of Technology, Hamilton New Zealand	Graduate Diploma in Information Technology
	BALA MURUGAN.T	B.Tech. IT	Information Technology	Indian Institute of Tourism and Travel Management	MBA
	SAMEERA SAREEN M	B.Tech. IT	Information Technology	Loyola College of Engineering, Chennai.	Executive Post Graduate in Diploma in Management
<b>CIVIL ENGINEERING</b>					
2017	Gasper Helden	B.E. Civil	Civil	SRM Engineering College, Chennai.	M.E. Stru. Engg
	Nivethidhaa.S	B.E. Civil	Civil	MepcoSchlenk Engineering	M.E.

				College,Sivakasi	Stru. Engg
	VijayaPrasath.N	B.E. Civil	Civil	MepcoSchlenk Engineering College,Sivakasi	M.E. Stru. Engg
	SuriyaKala.M	B.E. Civil	Civil	PSNA College of Engineering & Technology	M.E. Stru. Engg
	Sandhiya.A	B.E. Civil	Civil	Sethu Institute of Technology, Kariapatti.	M.E. Stru. Engg
5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)					
Items	No. of Students selected/ qualifying		Registration number/roll number for the exam		
NET	-		-		
SET	-		-		
SLET	-		-		
GATE	13		EC17S47089127, EC17S37089265, EC17S37088266, EC17S47089133, EC17S47106073, EC17S37089360, EC17S47089217, EC17S37088206, EC17S37089199, EC17S47088173, EC17S37088202, EC17S47089121, CS18S37122070		
GMAT	-		-		
CAT	-		-		
GRE	1		Priyadharshini.P (CSE)		
TOFEL	1		Priyadharshini.P (CSE)		
Civil Services	-		-		
State Government Services	-		-		
Any Other	TANCET (16)		17113167, 17111517, 17121248, 25113085, 12131030, 11213410, 17121451, 17121140, 25113012, 17113207, 25113139, 17113279, 17123046, 17123010 M.Mohamed Fahim, Udhaya Sankar.K		
	26		00202616, 00202623, 00202618, 00202617 00202619, 00202614, 00202622, 00202626, 00202621, 00202629, 00202612, 00202624 00202615, 00202634, 00202640, 00202649 00202611, 00202628, 00202635, 00202631 00202627, 00202637, 00202638, 00202639		

		00202613, 00202636				
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year						
Activity	Level		Participants			
Kho-kho	Zone-17		14			
Hockey	Zone-17		18			
5.3 Student Participation and Activities						
5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)						
Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
23.02.2018 to 25.02.2018	First Place	National	Langadi	-		P.Ganesh Ramar
01.09.2018 to 03.09.2018	Third Place	National	Langadi	-		P.Ganesh Ramar
06.10.2017 & 07.10.2017	First Place	National		Western Dance		R.Arunkumar-IV Civil S.Rajkumar-IV Civil S.Karthikeyan-IV Civil M.A.Ameer Sulthan- IV CSE P.D.Janarthanan-IV ECE Mohamed Thanish-IV Civil J.Arul Vivian Marshal-III Civil C.Anbarasan-III ECE
5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)						
The college has a Student Association in each Department. Every association comprises of Secretary, Joint Secretary, Treasurer, Office Bearers and committee members guided by the faculty in-charge of the departments.						
The major activities and funding are:						
• The association organizes various activities of the departments.						

- The student representatives in all the associations/societies like ISTE/ IEEE student chapters, NSS, WEC and others organize various programs like paper presentations, symposiums, workshops, seminars that are conducted every Semester.

The academic and administrative bodies have the student representatives to enhance the traits of decision-making and leadership. The details of the activities are given below.

1. **Class Committee:** The Class committee meeting is to improve the institution by redressing the academic issues. The committee consists of the student representatives from each class in every department. They discuss the academic plan, syllabus coverage, difficulties in the subjects, test pattern, result analysis and other departmental activities like symposiums, workshops, paper presentations, Mini projects, etc.
2. **National Service Scheme:** The NSS comprises of Secretary, Ward Secretary and NSS volunteers along with the NSS Program Coordinator and NSS Program Officer. The student volunteers of the NSS aim at developing student personality through community services. The NSS Program Coordinator and NSS Program Officer motivate the volunteers to serve the society through various activities like blood donation, special camps, awareness programs, planting tree saplings, temple cleaning etc...
3. **Training and Placement Cell:** The student volunteers from each department act as placement representatives and coordinate all the placement programs, guest lectures and the training activities. Peer group training by the students, enhance the talents of students.
4. **Fine Arts Association:** The student representatives of the Fine Arts Association organize extra-curricular and cultural activities. The Association also organizes “Fine Arts” day every year. Under this programme various cultural events are being staged by the student volunteers for the students in different cultural events.
5. **Women Empowerment Cell:** The student representatives of the Women Empowerment Cell join hands with WEC Faculty members to enhance the understanding of issues related to women and to make the college campus a safe place for women. Aiming at intellectual and social upliftment of the girl students various competitions are conducted like Rangoli, Mehendi, Cartooning, Painting and Art from waste.
6. **Department association:** The Department Associations regularly organize technical programs in the name of clubs and societies. The associations regularly conduct various programs by inviting experts from industry as resource persons. The college is endowed with the student representatives in all the department associations and student chapters like CSI, IEEE, SOEC, ISTE, IE (I), SAE, IETE.
7. **Canteen:** The college canteen also has the student representatives to give suggestions about the quality and cleanliness of the canteen.
8. **Anti-ragging Committee:** Anti ragging committee student representatives actively participate in maintaining a ragging free environment in the campus. The committee also takes instantaneous action to get rid of ragging.
9. **Library Committee:** The library committee has student representatives and they provide suggestions on the functioning of the library, library timings and additional books needed.
10. **Hostel and Mess:** The Hostel and Mess committee runs with the support of student members to check and fulfill the needs of the students in the hostel.

<p><b>11. Students' Suggestion Committee:</b> The student representatives of the suggestion committee provide suggestions on various issues of the college including curricular, co-curricular, extra-curricular and support services.</p>
<p><b>5.3 Alumni Engagement</b></p>
<p>5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):</p> <p>The College has a vibrant Alumni Association. The Association has Chennai Chapter and Bangalore Chapter apart from the parent Alumni Association at the College. The Alumni Association of the college strives to create a forum to foster a fruitful communication and a congenial relationship among the Alumnae, the students and the College. The Alumni Association organizes the alumni meet at various places through its Chapters. The College conducts the Alumni meet every year.</p> <p>The college strongly believes that the success of the Alumni reflects the success of the Alma Mater. The College believes in the dictum that the strength of the Institution lies in the rapport maintained between the Alumni and the Institution. The Alumni members extend their support through:</p> <ul style="list-style-type: none"> <li>• Acting as members in the Board of Studies, Academic Council, Recognized Professional Bodies and Quality Circle etc.</li> <li>• Getting permission for industrial visits in their organization.</li> <li>• Coordinating for signing MoU with companies where the alumni are working.</li> <li>• Delivering Guest lectures to the students</li> <li>• Motivating the students on the current industrial expectations.</li> <li>• Each department separately conducts meetings with their alumni members.</li> <li>• Organizing on campus &amp; off campus placement programs for the students with the coordination of alumni.</li> <li>• A separate link for alumni in college website has been developed in the college web site for the alumni interaction to the college.</li> <li>• PADIKKATTUGAL (STEPS) is one of the examples for alumni social responsibility, started by an alumnus M. Kishore, ICE department, 2012 batch. This is a non-profit trust which renders its service to orphanages, old age homes etc. with the support of alumni and public.</li> </ul>
<p>5.3.2 No. of registered Alumni: <b>12,384 alumni enrolled</b></p>
<p>5.3.3 Alumni contribution during the year (in Rupees) : <b>NIL</b></p>
<p>5.3.4 Meetings/activities organized by Alumni Association :</p> <ul style="list-style-type: none"> <li>❖ Alumni Reunion for all the batches was conducted at our College campus on 21th October 2017 and 100 alumni participated with their family members in this meet.</li> <li>❖ Mr.A.Gopala Krishnan, EEE Alumni of 2017 batch, Proprietor of Aim Dream Infotech, Madurai conducted a <b>Four days workshop on "PCB Fabrication"</b> for EEE department students from 08.08.2017 to 11.08.2017</li> </ul>



- ❖ Mr.C.Pandiyarajan, IT Alumni of 2017 batch, working as a Android Developer, Gosys, Chennai conducted a **workshop on “Android Apps Development”** for IT department students on 03.10.2017
- ❖ **Two On Campus Placement programs** for Surma Tech Company, Chennai were organized through the contribution of Mr.T.Dhanabalan, ICE Alumni of 2014 batch, working as Managing Director, Industech Automation Pvt Ltd, Madurai on 21.03.2018 & 05.04.2018 and **17 Students got placed** in those recruitment drives
- ❖ **Ten Students got placed** in an On Campus Placement program for Appasamy Associates, Chennai which was organized through the contribution of Mr.V.Vishnu Sidhan, ICE Alumni of 2014 batch, working as an Assistant Biomedical Engineer, Appasamy Associates, Chennai on 07.04.2018
- ❖ **Two Students got placed** in an Off Campus Placement program for Aarvee Associates Architects Engineers Consultants Private Limited, Hyderabad which was organized through the contribution of Mr.T.Raguram, Civil Alumni of 2012 batch on 12.02.2018
- ❖ **One Student** was recruited in an On Campus Placement program which was organized through the contribution of Mr.K.Ganesh, ICE Alumni of 2000 batch, working as a Managing Director of Triumph Solutions Ltd., Chennai on 17.02.2018
- ❖ Mr.Charles Anthonysamy, ECE Alumni of 2003 batch, working as an IT Consultant, Service Stream, Australia delivered a **Motivational talk through Video Calling** for III Year ECE Students on 02.02.2018.
- ❖ Alumni from various batches visited our campus and delivered **29 Guest Lectures and Motivational Talks** to the students as follows.

S. No	Date	Topic of the Guest Lecture/Programme	Alumni Name and Batch	Occupation & Company
<b><i>Mechanical Engineering</i></b>				
1.	21/07/2017	Importance of Mechanical Engineering Concepts	Mr. N. Saravanaraja (2004-2008)	Asst. Manager, TVS, Vellaripatti, Madurai
2.	22/08/2017	Fundamentals of Mechanical Engineering	Mr.V.Venkatraman (2013-2017)	Production Engineer Trainee, TVS Motors, Hosur
3.	11/09/2017	Opportunities on Mechanical Engineering	Mr. S.Vinoth Kumar (2013-2017)	Production Engineer Trainee, TVS Motors, Hosur
4.	03/10/2017	How to face Technical Interview	Mr. N. Saravanaraja (2004-2008)	Asst. Manager, TVS, Vellaripatti, Madurai
5.	05/01/2018	Recent Trends in Mechanical Engineering	Mr.J.John Thamburaj (2013 – 2017)	Supervisor-Production, SSWL, Chennai
6.	15/02/2018	Fundamentals of Mechanical Engineering	Mr.P.Suresh Kumar (2013 – 2017)	Quality Engineer, Peps Industries (P) Ltd.

7.	22/02/2018	Job Opportunities for Mechanical Engineers in NLC	Mr.Bhuvendar (2012 – 2016)	Engineer Trainee, NLC
8.	27/02/2018	Job Opportunities for Mechanical Engineers in Gulf	Mr.S.Ameer Sheriff (2013 – 2017)	Entrepreneur
9.	28/02/2018	Importance of higher studies and its scope in Industry	Mr. S.K. Vignesh (2013 – 2017)	Supervisor-Production, SSWL, Chennai
10.	03/03/2018	Job Opportunities in Core Industry	Mr. N. Ajith Kumar (2013 – 2017)	Engineer, ESSKAY Structures (P) Ltd.
11.	03/03/2018	Job Opportunities for Mechanical Engineers in Manufacturing sector	Mr. S. Ajeeth Kumar (2013 – 2017)	Asst. Design Engineer, Callidai Motor Ltd
12.	12/03/2018	How to prepare for Competitive Exams	Mr.Shenbagaraj (2013 – 2017)	Officer, Regional Rural Bank
13.	13/03/2018	How to become a successful Entrepreneur	Mr. J. Sanjay (2013 – 2017)	Entrepreneur
14.	19/03/2018	Opportunities of Mechanical Engineer in Defense	Mr. S.Sarath Kumar (2013 – 2017)	Major, Indian Army, New Delhi
15.	22/03/2018	Placement Opportunities in SME	Mr.B.Bagavathi (2013 – 2017)	Production Engineer, STS Manufacturing, Hosur
<b>Computer Science and Engineering</b>				
16	20/02/2018	Ethical Hacking	Mr.S. Periakaruppan (2012-2016)	Stykinotech, Bangalore
17	20/03/2018	General Awareness on Internship Training and Placement	Mr.Pandi kumar (2013-2017)	Thirdware, Chennai
<b>Electronics and Communication Engineering</b>				
18	11/08/2017	Placement Talk	Mr.S.Mohamed Hafiz Hussain (2013–17)	System Engineer, 3D-M Technology
19	28/09/2017	Entrepreneurship	Mr.P.Praveen (2009-2013)	Business Analyst
20	20/12/2017	Motivational Programme	Mr.M.Praveen Kumar (2010-2014)	JO-IT, Ramco Industries Limited
21	21/12/2017	Networking Field	Mr.S.Shahul Hameed (2009-2013)	Network Engineer, Amazon
22	23/03/2018	Motivational Talk	Mr.Fidel Castro.J (2013 – 2017)	System Analyst, TCS

23	04/04/2018	Placement Talk	Mr.S.Mohamed Hafiz Hussain (2013 – 17)	System Engineer, 3D-M Technology
24	02/05/2018	Motivational Talk for Placements	Ms.P.Archana Sai Ms.A.Ernest Joshuva Ms.K.Dheva Sankar (2014 – 2018)	Solartis, Madurai
<b>Electrical and Electronics Engineering</b>				
25	09/02/2018	Business Startup Ideas and Schemes	Mr.M. Yasir (2007-2011)	Proprietor, Esha Oil Company, Madurai
26	15/02/2018	Training on Embedded System	Mr.K.Vignesh (2012-2016)	Design Engineer, Sona Solutions, Hosur
27	22/03/2018	How to get Research grants on NIOT	Mr.B.Kesavakumar (2006-2010)	Scientist, National Institute of Ocean Technology
<b>Civil Engineering</b>				
28	27/09/2017	How to Face Interview and Bar bending Concepts	Mr.M. Mohammed Asif (2010-2014)	Managing Partner, M-Kube QS& Contractors LLP
29	07/03/2018	Design Process, Application of working Drawing in Construction, Colours in Architecture	Mr.A. Yaasir Ali (2011-2015)	Architect Interior Designer, YKnot Studio, Madurai
			Mr.M. Rakesh (2011-2015)	
			Mr.I.Syed Abrar Ahmed (2011-2015)	

## **CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

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

#### **Decentralization**

The management has delegated the daily operations and decision-making responsibilities to Deans and Senior Professors. The authority is retained by the top management for taking major decisions and framing policies concerning the Institution. The various teams strive hard with coordinated effort to lift up the brand name of the College in all assigned areas. The various functions that are delegated are Teaching Learning Process, Academics, Research and Development, Innovation, Entrepreneurship Development, Internal Revenue Generation, Faculty Empowerment, Student Affairs, System Automation, Planning and Development, Institutional Growth and Appraisal, Institutional Promotion, Exam Related, Industry Institute Interaction, Infrastructure Development, Transportation, Alumni and Stakeholders Interface, Admission, Student Discipline, Library and College Ambience. Regular review meetings are conducted to monitor the performance of the various functions.

#### **Participative Management System**

Participative Management System is followed for delegation of power so that the decision making can be done quickly. With proper formation of various committees, smooth conduct of the college is achieved. It promotes genuine involvement in the enunciation of vision, policies and goals of the institution in the decision making process and in the administration of the college. It motivates employees to meet specific organizational goals. Motivated employees are the biggest assets of an organization and participative management is an effective strategy to retain the best talents of the college.

The college follows Participatory Management Systems in all its decision making process. The participative management approach is practised at different levels in the college and all the stakeholders are involved in the process of decision-making based on collective wisdom. The stakeholders participate in the following fora and contribute to the decision making.

#### **Participatory Management System for academic and administrative activities**

- Governing Council
- HoDs Meeting
- Department Faculty Meeting (DFM)
- Class Committee Meeting (CCM)

#### **Participatory Management System for curriculum designing**

- Academic Council
- Board of Studies (BOS)

- Curriculum Planning and Evaluation Committee (CPEC)
- Department Advisory Board (DAB) Meeting
- Program Assessment Committee (PAC)

#### **Participatory Management System for Quality Assurance**

- Internal Quality Assurance Cell

#### **Participatory Management System for general activities**

- Suggestion Committee Meeting
- College Faculty Meeting
- Alumni Meeting
- Parents Meeting
- Students Meeting

The participative management system enables the stake holders to participate in decision making and increases the involvement and commitment of all stake holders.

- Better communication and human relationships are promoted
- The suggestions of the faculty, students are implemented at various levels
- The involvement and commitment of the stake holders is increased.
- The participation of industry experts at various meeting helps to incorporate the industry perspective in decision making.
- The Class committee meetings and suggestion meetings help the students to participate in the decision making leading to their involvement in all activities.
- The suggestions provided by faculty, students, industry and parents are considered and the PMS becomes a responsive management leading to the satisfaction of all stake holders.
- Through Participative Management System the involvement, commitment and satisfaction of the stake holders are obtained, hence the success in all activities of the college is ensured.

6.1.2 Does the institution have a Management Information System (MIS)? ~~Yes/No~~ **Partial**

### **6.2 Strategy Development and Deployment**

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

#### **❖ Curriculum Development**

Quality in technical education is achieved by autonomy in curriculum design and development. The College was granted its autonomous status by the University Grants Commission (UGC) on 17-08-2012 and ever since, the college continuously strives hard for the design and development of quality curriculum in all UG/ PG courses. The College introduced CBCS for the benefit of the students. Multidisciplinary and inter disciplinary courses were introduced.

#### **❖ Teaching and Learning**

Faculty members are trained to adopt ICT based teaching methodologies. Faculty members are encouraged to adopt appropriate innovative teaching methods to improve the teaching-learning process. These innovative methods enhance the level of understanding and learning potential of the students. Student-centric learning is characterized by innovative teaching

<p>methods in which students are active participants. It aims at fostering transferable skills such as problem-solving, critical thinking and reflective thinking through communication with teachers and fellow students.</p>
<p>❖ <b>Examination and Evaluation</b></p> <p>Bloom's Taxonomy is followed in setting the question papers for all examinations to evaluate the students at different cognitive levels. For each course, the course designers decide the assessment pattern to be followed for the all the tests based on the Bloom's taxonomy level of Course Outcomes. The Bloom's Taxonomy level and the Course Outcome addressed by each question is specified in the Question Paper. For Autonomous End Semester Examinations the question papers are set by faculty members of other reputed institutions. A scrutiny committee consisting of senior faculty members from other colleges and senior faculty members of the Department verifies the Question papers for its correctness in terms of Syllabus, Bloom's Taxonomy level and the Course Outcome coverage. In internal tests, to maintain uniformity in evaluation, Round Robin method is followed. In this method, the different sections of the Question paper is evaluated by different faculty members. The answers of all the students for Part - A questions is evaluated by one faculty, the answers for Part - B by one faculty, and so on.</p>
<p>❖ <b>Research and Development</b></p> <p>The vision of the college is to promote excellence in technical education and scientific research for the benefit of the society. Review meetings were conducted periodically to monitor the progress in research and development activities in terms of research publications, funded projects, revenue generation. A Separate cell was formed for Internal Revenue generation</p>
<p>❖ <b>Library, ICT and Physical Infrastructure / Instrumentation</b></p> <p>Library is an important place that supports the institution's program of study and research. E-journals are subscribed for the library periodically. Deployment of ICT tools is encouraged for teaching, learning and assessment to make learning more effective. Faculty members are oriented for use of ICT tools for teaching and learning. A new canteen was built and new laboratories were established for the Departments that were recently established as given below:</p> <p><b>Department of Chemical Engineering</b></p> <ol style="list-style-type: none"> <li>1. Mass Transfer Laboratory</li> <li>2. Chemical Reaction Engineering Laboratory</li> </ol> <p><b>Department of Biomedical Engineering</b></p> <ol style="list-style-type: none"> <li>3. Pathology and Microbiology Laboratory</li> <li>4. Diagnostic Therapeutic Laboratory</li> </ol> <p><b>Department of Agriculture Engineering</b></p> <ol style="list-style-type: none"> <li>5. Tractor Laboratory</li> </ol>
<p>❖ <b>Human Resource Management</b></p> <p>As human resource is the greatest asset to any organization the College takes careful measures for management of people in the institution. Human resource management of the College focuses on faculty and staff recruitment, training and development, performance appraisal and rewards to faculty and staff. Faculty recruitment is based strictly on merit through selection</p>

by duly constituted committees. Applications are called through open advertisement and also by voluntary channel. However, temporary vacancies are filled by selection through walk in interviews and from voluntary applicants by constituting selection committee with the Chairman, Principal, HOD Concerned and one or two experts in that field of specialization. Promotion of faculty and staff to higher level of service shall be made subject to availability of the posts, eligibility of the staff, only on the basis of merit and efficiency, besides the commitment of the staff to the cause of all-round development/improvement of the Corporate life of the institution. Faculty Development Cell of the College plans, schedules and coordinates training programmes, refresher/orientation courses along with the Internal Quality Assurance Cell for the benefit of faculty. Faculty members are also sponsored for seminars, workshops and conferences and other quality improvement programmes. Departments also organize seminars, workshops and conferences for faculty members. Annual Staff Performance Appraisal Systems have been introduced. The system consists of:

- Self Appraisal
- Appraisal by Head of Department
- Appraisal by Principal & Management/External Experts

The Principal and HoD will discuss results of the appraisal with each employee. Sustained good performance will be a requirement for:

- Internal promotions
- Selection to HODs / Chairman of Committees
- Selection Grade promotions
- Eligibility for Study Leave and other benefits
- Awards

Results of the appraisal will find a place in the Personal file. Nonperformance will be suitably dealt with.

#### ❖ **Industry Interaction / Collaboration**

- The College has continuous interaction with Industries through MoUs, Industrial training and Industrial Visits for students. The Industries also help in designing the syllabi for the courses. Industrial Experts are invited to the institution for interaction with faculty and students to promote the industry need based research. More than 60 MOUs are signed with various industries for academic and research interactions.
- The College has Industry Institute Interaction Cell (IIC Cell) with financial assistance from the Institution.
- IIC promotes research and consultancy at faculty level.
- It assists students acquire practical knowledge by giving them industry exposure and training required, where they can practically apply the concepts they have learnt.  
It collaborates with the industry for organizing in-plant training to the students and Industry based projects for final year students.
- It organizes frequent Industrial visits for the faculty and students to promote students involvement in industry-oriented projects.



#### ❖ **Admission of Students**

The policies regarding admission, fee structure, teacher qualification and salary are as per the norms of AICTE / DOTE Chennai.

Being a self-financing college 65% of intake is admitted through single window system conducted by Anna University, Chennai and reservation policy of Government of Tamil nadu (18% for SC, 1% for ST, 20% for MBC, 30 % for BC and 31 % for OC) is followed for admission. Remaining 35% is filled by the management.

The College ensures publicity by the following means:

**Brochure:** The prospectus gives the complete information about the College including courses offered and infrastructural facilities available to promote quality technical education.

**College website:** The college website *www.sethu.ac.in* has all the details about the milestones of the college, admission norms, courses offered, infrastructure facilities, academic, co-curricular and extra-curricular activities, placement details, research facilities and events conducted by the college.

**Newspapers:** Regular advertisements are given in national and regional newspapers regarding admissions and also college events such as graduation day, college day, sports day and cultural day.

**Television:** During admission period, advertisements are given about the courses offered, infrastructure facilities and placement details of the college through regional and local television channels.

**FM Radio:** During College functions and at the time of admission advertisements are broadcasted through FM Radio Channels. The College infrastructure facilities, placement details and the details of courses offered are advertised in these channels.

**Educational Exhibitions:** The College participates in Educational Exhibitions conducted by various Newspapers for the benefit of the students who have completed their Higher Secondary School education. The salient features of the college are exhibited through stalls and pamphlets are issued to the visitors.

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

##### ❖ **Planning and Development**

The Planning and Development section of our College currently focuses on preparing the Strategic Plan of the College and coordinating the Quality Assurance Initiatives like NAAC Accreditation, NBA Accreditation and Academic Audit. Though e-governance is not fully implemented environment friendly initiative is taken by communicating to the Departments through e-mail and intranet. The information regarding meetings, Minutes of the Meeting, Audit guidelines and Documents related to Accreditation are communicated through internet and intranet. However, efforts are taken to implement e-governance in different areas of operation in the near future.



❖ <b>Administration</b>
<p>The following modules of ERMS are implemented for the general Administration of the College.</p> <ul style="list-style-type: none"> <li>• Student and Staff Profile</li> <li>• Staff Attendance</li> <li>• Student Attendance</li> <li>• Disciplinary Management System</li> <li>• Grievance Management System</li> <li>• Student Portal</li> <li>• Staff Portal</li> </ul>
❖ <b>Finance and Accounts</b>
<p>e-Governance is partially implemented in Finance and Accounts section of the ERMS software. The modules implemented are:</p> <ul style="list-style-type: none"> <li>• Admission and Fee Manager</li> <li>• Fees Payment and Counter</li> <li>• Finance</li> <li>• HR and Payroll</li> </ul>
❖ <b>Student Admission and Support</b>
<p>The modules used for Student Admission and Support are:</p> <ul style="list-style-type: none"> <li>• Student Application</li> <li>• Roll No. Generation</li> <li>• Admission Quota</li> <li>• Fees Assignment based on the Category</li> </ul>
❖ <b>Examination</b>
<p>Pre-Examination Process:</p> <ul style="list-style-type: none"> <li>• Student Exam Application - Regular, Arrear and Revaluation</li> <li>• Exam Fee Collection, Examination Time-Table &amp; Hall Ticket Generation</li> <li>• Examination Attendance Generation</li> <li>• Conducting Examination Process:</li> <li>• Checklist Generation &amp; Flip and Foil Cover Generation</li> <li>• Attendance Verification &amp; Despatch Generation</li> </ul> <p>Post Examination</p> <ul style="list-style-type: none"> <li>• Practical Mark Entry</li> <li>• Dummy Number Generation &amp; Bundle Number Generation</li> <li>• Examination Mark Entry &amp; Galley Generation</li> <li>• Result Passing</li> <li>• Grade Sheet Generation &amp; Consolidated Grade Sheet Generation</li> <li>• Award of Degree Report Generation</li> </ul>
<b>6.3 Faculty Empowerment Strategies</b>
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year 2017-2018

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 (Rs.)
08.06.2017 to 09.06.2018	A. Saravana Kumar B. Muthu Chozha Rajan	Hands on Training in composite performance program	PSG Tech, COimbatore	1500
27.06.2017 to 30.06.2017	M.M Yamunadevi C. Parameswari	FDP on Problem solving using Python	PSNA College of Engg and Tech, Dindugal	750
25.09.2017 to 26.09.2017	C. Parameswari M.M Yamunadevi	FDP on Biomedical signal imaging and informatics	Mepco Schlenk Engg College, Sivakasi	750
07.12.2017 to 08.12.2017	P. Lediya Jebashini B. Sujatha	ESL teaching support and teaching endoncement	Mepco Schlenk Engg College, Sivakasi	500
18.12.2017 to 24.12.2017	S. Gokila	Engineering Mechanics Program	University College of Engg, Nagarcoil	910
08.01.2018	M. Malathi	Outcome based education: National and International Accreditation	Thiagarajar College of Engg, Madurai	1500
22.01.2018 to 25.01.2018	P. Ithaya Rani	Cloud computing architecture programme	Kalasalingam Academy of Research and Education	300
23.03.2018 to 24.03.2018	R. Banupriya P. Sasirekha	Air Pollution & Indurtial Hazards Disperion modelling	Thiagarajar College of Engg, Madurai	1500
07.05.2018 to 11.05.2018	B. Muthu Chozha Rajan A. Saravana Kumar	STTP on Composite structure	Mepco Schlenk Engg College, Sivakasi	1500
11.05.2018 to 12.05.2018	K. Elavarasi V.Vaishnavi	International Conference on Innovations in Engineering and Industrial Application	Mepco Schlenk Engg College, Sivakasi	1500
13.06.2018 to 15.06.2018	R. Sumitha	TEQIP III sponsored workshop on Enabling high performance computing in cloud	Thiagarajar College of Engg, Madurai	1000

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

<b>Year</b>	<b>Title of the professional development programme organised for teaching staff</b>	<b>Dates (from-to)</b>	<b>No. of participants (Teaching staff)</b>
2017-2018	National level AICTE sponsored 2 weeks FDP on Computational Fluid Dynamics in Engineering and Design	04.12.2017 to 17.12.2017	65
	National level AICTE sponsored seminar on Recent Trends in Robotics	29.11.2018	65
	AICTE Sponsored Two Weeks Faculty Development Programme on “Cyber Forensics and Information Security”	07.11.2017 to 20.11.2017	66
	SAR Preparation for Accreditation	04.12.2017-06.12.2017	1
	Engineering and Advancement in Technology	22.03.2018-23.03.2018	2
	Recent Advances in Engineering and Technologies	28.12.2017to 29.12.2017	2
	Advancements in Engineering & Technology	27.01.2018	1
	Workshop on “Pedagogy for outcome based education”	06.02.2018 to 08.02.2018	6
	Teach it Right by Dr.M.Arutchelvi	6.03.2018	7
	Infosys Campus Connect Deep Dive Faculty Program on Foundation Program 4.1 Organized by Infosys	06.11.2017 to 10.11.2017	6
	ICTACT Faculty Development on Data Science and Big Data Analytics	27.11.2017 to 31.11.2017	6
	Concrete Mix Design	08.03.2018	3
	Limit State Design of Steel Structures	07.11.2017 to 20.11.2017	29
	Civil Engineering Applications Using Remote Sensing and GIS Applications	05.10.2017 to 06.10.2017	9
	Seismic Resistant Design of Masonry and Reinforced Concrete Structures	23.08.2017 to 24.08.2017	7
<b>Number of professional development / administrative training programmes organized by the Colleges for non teaching staff during the year</b>			
2017-2018	Software Installation and Hardware Maintenance	16.03.2018	6
	Workshop on CoreIDRAW	23.03.2018	3

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

<b>Title of the professional development programme</b>	<b>Number of teachers who attended</b>	<b>Date and Duration (from – to)</b>
<b><i>MECHANICAL ENGINEERING</i></b>		
1 Day Workshop on “Types of Steels and their Processing”	1	23.02.2018
1 Week Short Term Course on “Vision based Robot Navigation and Manipulation”	3	22.01.2018 to 28.01.2018
<b><i>COMPUTER SCIENCE ENGINEERING</i></b>		
Introduction to Internet of Things	1	23.08.2017 & 24.08.2017
Two days Hands-on Workshop on Python Programming	2	18.08.2017 & 19.08.2017
Workshop on Advanced Research Techniques for satellite Image Analysis Using Image Processing	2	11.09.2017 to 15.09.2017
Workshop on Pedagogy For Outcome Based Education	1	13.10.2017
AICTE Sponsered FDP on Cyber forensics and Information security	29	07.11.2017 to 20.11.2017
Two weeks FDP on Mathematical Sciences Research Challenges in Engineering Applications	1	20.11.2017 to 02.12.2017
Five Days FDP on Data Science and Big data Analytics	6	27.11.2017 to 01.12.2017
Faculty Enablement Program on "Foundation Program4.1	1	27.11.2017 to 01.12.2017
Faculty Enablement Program on "Foundation Program4.2	1	06.11.2017 to 10.11.17
Faculty Enablement Program on "Foundation Program4.3	1	06.11.2017 to 10.11.2017
FDP on Amazon AWS-Clod Practitioner	1	26.04.2018
AICTE approved FDP on Foundation Program in ICT for Education	2	08.03.2018 to 12.04.2018
FDP in Entrepreneurship, Sponsored by Ministry of science and technology	3	26.12.2017 to 12.04.2018
Coducted by Infosys, Faculty Enablement Program on User Interface technologies	1	29.01.2018 to 03.02.2018
Coducted by Infosys,FEP on Foundation program 5.0"	1	23.04.2018 to 27.04.2018
7 days Training Programme on “Android”	3	06.06.2018 to 12.06.2018
One day Workshop on Out come Based Education(OBE): National & International Accreditation	1	07.01.2018

Pedagogy For Outcome Based Education	6	06.02.2018 to 08.02.2018
Workshop on software Installation and Hardware Maintenance	1	16.03.2018
Workshop on Big data	1	12.02.2018 to 13.02.2018
Pedagogy For Outcome Based Education	3	06.02.2018 to 08.02.2018
Workshop on software Installation and Hardware Maintenance	11	16.03.2018
Enabling High Performance Computing in Cloud	2	13.06.2018 to 15.06.2018
User Interface Technologies	1	04.06.2018 to 08.06.2018
<b><i>ELECTRONICS AND COMMUNICATION ENGINEERING</i></b>		
Cyber Forensics and Information Security	4	07.11.2017 to 20.11.2017
Design ,Modelling,Simulation and Analysis of Advanced Electronic Circuits	4	08.11.2017 to 14.11.2017
Mathematical Sciences Research Challenges in Engineering Applications	10	20.11.2017 to 03.12.2017
Array Signal Processing in Radar and Wireless Communications	1	04.12.2017 to 10.12.2017
Signals &System	21	04.06.2018 to 11.06.2018
Internet of things	2	04.10.2017 to 05.10.2017
Entrepreneurship	2	26.12.2018 to 08.01.2018
Advanced signal Processing communication &Networking	2	02.03.2018
<b><i>ELECTRICAL AND ELECTRONICS ENGINEERING</i></b>		
FDP on Entrepreneurship	3	26.12.2017 to 08.01.2018
FDP on Electronic Devices and Circuits	1	19.06.2018 to 25.06.2018
ISTE-STTP on “Electric Power System	2	10.07.2017 to 15.07.2017
FDP on MATLAB Programming	2	16.03.2018
FDP on Intelligent Automation using 4.0	1	13.06.2018 to 14.06.2018
FDP on Smart Grid and Micro Grid Systems- Research Issues	1	04.05.2018 to 05.05.2018
Online Course on “Solar Energy”	1	July - November 2017

<b>INFORMATION TECHNOLOGY</b>		
Pedagogy for Online and Blended Teaching-Learning Process - FDP201x	5	15.05.2018 to 31.05.2018
Agile Way of Working & Devops ( in association with Tata Consultancy Services)	9	18.05.2018
Big Data Stream Analytics	1	14.05.2018 to 16.05.2018
Infosys campuses connect on Foundation Program 5.	1	23.04.2018 to 27.04.2018
Foundation program I ICT for education FDP101x	10	08.03.2018 to 12.04.2018
Pedagogy for outcome based education	10	06.02.2018 to 08.02.2018
AWS on cloud computing architecture	1	22.01.2018 to 25.01.2018
Two weeks FDP on ‘Context aware recommender system in cloud environment’	1	20.11.2017 to 03.12.2017
ICTACT one week FDP on ‘Data Science and big analytics’	7	27.11.2017 to 01.12.2017
Two weeks FDP on ‘Cyber forensics and information security’	7	07.11.2017 to 20.11.2017
One week FEP by Infosys campus connect on Foundation Program 4.1	6	06.11.2017 to 10.11.2017
Mobile application with Android	2	25.09.2017 to 27.09.2017
Biomedical Signal,Imaging and Informatics Contemporary Models and Imaging Applications	2	25.09.2017 to 27.09.2017
Toastmasters International communications program :- Competent communicator recognition	3	20.09.2017
FEP on Internet of things	1	11.09.2017 to 15.09.2017
Advanced research techniques on satellite image analysis using Image Processing	1	11.09.2017 to 15.09.2017
Make in India –Transforming research to reality”	1	05.09.2017
Trailhead developer educator workshop	1	29.08.2017 to 01.09.2017
Effective implementation of outcome based education (OBE)”	1	28.07.2017
Officers Training Program	2	22.07.2018
ICTACT organized ‘AWS education daya 2017’	2	13.07.2017
Deep dive FEP on ‘Foundation Program 4.1’	2	03.07.2017 to 07.07.2017
Problem Solving and Programming using python	2	27.06.2017 to 30.06.2017

Firewall installation and management	1	20.06.2017 to 24.06.2017
Data science and big data analytics	1	13.06.2017
<b>CIVIL ENGINEERING</b>		
Training Program on “Air Pollution and Industrial Hazards Modeling”	2	23.03.2018 to 24.03.2018
Two days Training Program “Advances & Innovations in Repair, Rehabilitation & Retrofitting”	6	09.03.2018 to 10.03.2018
National Seminar on “Concrete Mix Design”	3	08.03.2018
Entrepreneurship Awareness camp	1	12.02.2018 to 13.02.2018
Workshop on “Pedagogy for Outcome Based Education”	1	06.2.2018 to 08.02.2018
Seminar on “Book Writing”	1	07.02.2018
Faculty Development Programme in Entrepreneurship	2	26.12.2018 to 08.01.2018
Faculty Development Training Programme “GE 8292 Engineering Mechanics”	2	18.12.2017 to 24.12.2017
Faculty Development Programme on “Advances in Wastewater Treatment and Air Pollution Control Techniques”	2	13.11.2017 to 25.11.2017
Faculty Development Programme on “Limit State Design of Steel Structures”	29	07.11.2017 to 20.11.2017
National Level Workshop on “Perspectives on Foundation Engineering”	1	21.10.2017
Workshop on “Pedagogy for Outcome Based Education”	4	13.10.2017 to 14.10.2017
National Level Workshop on “Civil Engineering Applications Using Remote Sensing & GIS Techniques”	9	05.10.2017 to 06.10.2017
Two Days Design Workshop on Internet of Things	2	04.10.2017 to 05.10.2017
National Seminar on “Emerging Trends In Steel Structures- (ETSS-2017)”	2	21.09.2017 to 22.09.2017
National Seminar on “Seismic Resistant Design of Masonry and Reinforced Concrete Structures”	6	23.08.2017 to 24.08.2017
<b>CHEMICAL ENGINEERING</b>		
Advances in waste water treatment and Air pollution and control	1	13.11.2017 to 25.11.2017
Current scenario in Advanced Material Science and Engineering	1	30.10.2017 to 12.11.2017
Workshop on pedagogy for outcome based education	2	13.10.2017 to

		14.10.2017	
Computational Fluid dynamics in Engineering and Design	2	04.12.2017 to 17.12.2017	
<b>BIOMEDICAL ENGINEERING</b>			
Pedagogy for outcome based education	4	13.10.2017 to 14.10.2017	
Creative learning and innovative teaching methodologies	1	23.04.2018 to 29.04.2018	
NPTEL course on bioreactors	1	February-March 2018	
Prediction between conventional and intelligent controller	1	18.04.2018 to 24.04.2018	
NPTEL course on basic electronics	1	Jan-April 2018	
6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):			
<b>Teaching</b>		<b>Non-teaching</b>	
<b>Permanent</b>	<b>Fulltime</b>	<b>Permanent</b>	<b>Fulltime</b>
310	310	353	353
6.3.5 Welfare schemes for			
<b>Teaching</b>	<ul style="list-style-type: none"><li>• Allowance for Ph.D.</li><li>• Incentives for research publications, sponsored projects and consultancy works</li><li>• Free transport facility</li><li>• Group Insurance</li><li>• Maternity leave</li><li>• Medical leave</li></ul>		
<b>Non teaching</b>	<ul style="list-style-type: none"><li>• Group Insurance</li><li>• Maternity leave</li><li>• Medical leave</li><li>• Free transport facility</li></ul>		
<b>Students</b>	<ul style="list-style-type: none"><li>• Tamil Nadu Government fee waiver scheme for first graduates</li><li>• SC / ST Scholarship</li><li>• Backward classes and minorities welfare scholarship</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) Yes. Internal audits are conducted by the Accounts Section of the College. All vouchers are audited by an Internal Auditor on a daily basis. External audits are conducted by a registered Chartered Accountancy Firm.			



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: Rs.10,000

## 6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Academic Audit Committee	Yes	Internal Academic Audit Committee
Administrative	Yes		Yes	Internal Auditors

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

Parent – Teacher Association is effectively functioning in the Institution for the benefit of students. As part of this association, Parent – Teacher Meeting is being conducted in the department every semester. Various matters have been discussed in the meeting such as, Academic Plan, Co-curricular activities, Autonomous Process and Student welfare. The Department Advisory Board of Computer Science and Engineering has Parent Nominees in which parents are actively participating for the effective implementation of Curriculum and Outcome Based Education.

6.5.3 Development programmes for support staff (at least three)

S.No.	Name of the Programme for Support Staff	Dates (from-to)	Name of the participants
<b>COMPUTER SCIENCE AND ENGINEERING</b>			
1	LINUX administration using CentOS through ICT	30.04.2018-04.05.2018	A.Muthupandi
2	Software Installation and Hardware Maintenance	16.03.2018	Mrs.K.Hema Mr. P.Pandiyarajan Mr. A.Muthupandi P. Kannan M. Gowsalya P. Narayana Moorthi
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>			
1	CCTV Installation Technician	24.01.18 to 17.03.18	Mr.A.Sheik Masthan
2	CCTV Installation Technician	24.01.18 to 17.03.18	Mr.C.Govindaraj

3	CCTV Installation Technician	24.01.18 to 17.03.18	Mr.G.Sakthi Sankara Pandian
<b><i>ELECTRICAL AND ELECTRONICS ENGINEERING</i></b>			
1.	Computer hardware & software Installation	16.03.2018	K.Sudha
2.	Computer hardware & software Installation	16.03.2018	G.Gurumoorthy
<b><i>INFORMATION TECHNOLOGY</i></b>			
1	CorelDraw Workshop	16.07.2018 to 17.07.2018	M.Kavitha S.Zahir Abbas
<b><i>CIVIL ENGINEERING</i></b>			
1.	Workshop on CoreIDRAW	23.03.2018	Mr.K.Rajkumar Mr.R.Adaikalam Ms.R.Amuthavalli

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

The College takes sincere efforts for continuous improvement in all areas. The three areas in which infrastructure Development is

#### **Faculty Development Initiatives**

The college is committed to improve the competency of the faculty members in technical and pedagogical aspects. Faculty members are encouraged to undergo required trainings to upgrade their competency level. They are sponsored for conferences/ seminars/ workshops/ internships. Faculty Induction Programme is conducted each Academic Year for the newly joined faculty members. Many other programs were conducted as mentioned below to enrich the competency of faculty members

S. No.	Name of the Activity	Period
1.	Pedagogical Workshop – Teaching the new faculty members the concepts and methods of pedagogy and giving them training in Instructional System Design as practiced in SIT in a two-day workshop.	Oct. 13 & 14, 2017
		Feb. 6 & 8, 2018
2.	Microteaching – Assessing and evaluating volunteering teachers in selected teaching skills and advising them on improvement.	Nov. – Dec. 2017
		Feb. – March 2018
3.	Teach it Right – Faculty members in a discipline learn course-specific teaching techniques from senior teachers	Oct. 2017 – Apr. 2018

#### **Initiatives in Curriculum Design and Development**

Quality in technical education is achieved by autonomy in curriculum design and development. The College was granted its autonomous status by the University Grants Commission (UGC) on 17-08-2012 and ever since, the college continuously strives hard for the design and

development of quality curriculum in all UG/ PG courses. By the implementation of autonomy especially the Choice Based Credit System, the students are able to enhance their knowledge through Nationally/Internationally acclaimed Online Courses like NPTEL, Coursera, edX, etc.

The students can earn additional credits through these Online Courses or they can replace Professional/Open Elective Courses from their respective curriculum. Multidisciplinary and inter disciplinary courses were introduced. Industry-focused education is provided which enables the students to develop the knowledge, intellectual capacity and professional experience they need for their long-term careers, so that they graduate job-ready.

Professional Core courses, Elective Courses and One Credit Courses are designed by Industries. Multinational Companies such as Infosys, Tata Consultancy Services, EMC2 and many other industries have participated in the design of courses. Departments also focus on introducing new Professional/Open Elective courses and One Credit courses every year. In the year 2017-2018 many new courses were introduced (List of new courses is given in 1.2.1 of AQAR).

### **Implementation of Outcome Based Education**

The college adopts Outcome Based Education in the curriculum design, teaching, learning and evaluation process. All the Departments have framed Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) for their Departments and Programs. These goal statements are redefined periodically. Course Outcomes (COs) are defined by the Course Instructors at different levels of Bloom's Taxonomy.

The course outcomes are mapped with the POs and PSOs with different correlation levels such as Strong, Medium and Weak. The questions used for the assessment of students through Continuous Internal Examination and End Semester Examination are set at different levels of Bloom's Taxonomy and the Course Outcomes are mentioned for each question. The assessment of attainment of COs, POs and PSOs are done in a systematic method using direct and indirect assessment tools. The analysis of attainment of Outcomes is used for the improvement of program in the areas of curriculum design, pedagogy and the assessment.

#### **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**

<b>Year</b>	<b>Name of quality initiative by IQAC</b>	<b>Date of conducting activity</b>	<b>Duration (from-----to-----)</b>	<b>Number of participants</b>
2017	Outcome based Pedagogy for Outcome Based Education	13.10.2017 & 14.10.2017	June 2017 to July 2018	34

2017	NBA preparation meeting (MECH,EEE &IT)	20.12.2017		50 to 60 Faculty Members
2017	Presentation on Qualitative Assessment of attainment of POs for 2013- 2017 Batch (MECH,EEE &IT)	28.12.2017		
	<u>AN</u> : Presentation on CO-PO/PSO mapping by Dean P&D			
2018	Presentation on Innovation in Teaching and Learning Process by Dean P&D	08.01.2018		
2018	Discussion on R&D activities of IT Department	12.01.2018		
2018	Presentation on Quality of Quesrion papers and Student projects by Dean P&D	18.01.2018		
2018	Outcome based Pedagogy for Outcome Based Education	06.02.2018 & 08.02.2018		46
2018	CO-PO/PSO mapping of courses of IT department	15.02.2018		50 to 60 Faculty Members
2018	Presentation of Goal Statements by HoD/Mech & HoD/EEE & Goal Statements by HoD/CSE & HoD/ECE	07.03.2018		
2018	Prsentation on Articulation Matrices by HoD/Mech, HoD/EEE & HoD/IT	21.03.2018		
2018	Presentation Articulation Matrices by HoD/CSE & HoD/ECE	28.03.2018		
2018	Presentation on Articulation Matrices by HoD/ECE & HoD/EEE	13.04.2018		
2018	Discussion on NAAC Criterion 1 - Curricular Aspects	04.04.2018		
2018	Discussion on NAAC Criteria II -Teaching - Learning and Evaluation	02.05.2018		
2018	Discussion on PO attainment analysis (CSE,ECE & CIVIL)	15.05.2018		

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period (from-to)	Participants	
		Female	Male
Guest Lecture on “Legal Rights for Women”	07.02.2018	250	-
National Science Day celebration- English Elocution- Topic: Role of women in science and technology	28.02.2018	36	-
Women’s Day Competitions	28.02.2018 to 02.03.2018	300	-
Women’s Day Celebration	08.03.2018	600	-

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

Sethu Institute of Technology has initiated to develop “Green Energy”, by installing 25K W off-grid solar photo voltaic power generation system which comprises 125 numbers of 200 watts solar PV panels inside the college premises. By installing 25KW solar power generation system, our college will meet 5.30% of the total energy consumption of SIT. Total cost of the project is Rs.46.75 Lakhs. Our Institute has contributed an amount of Rs.27.91Lakhs and remaining amount **Rs.18.84 Lakhs** funded by MNRE (Ministry of new and Renewable Energy) through TEDA (Tamilnadu Energy Development Agency).



MNRE Sponsored 25KW solar power generation system at Admin Block

Sethu Institute of Technology has installed another 25K W off-grid solar photo voltaic power generation system which comprises 104 numbers of 240 watts solar PV panels inside the college premises. By installing 25KW solar power generation system, our college will meet 5.30% of the total energy consumption of SIT. Total cost of the project is Rs.32.48 Lakhs. Our Institute has contributed an amount of Rs.18.23 Lakhs and remaining amount **Rs.14.25 Lakhs** will be funded by MNRE(Ministry of new and Renewable Energy) through TEDA (Tamilnadu Energy Development Agency)

Sethu Institute of Technology has installed another 18K W off-grid solar photo voltaic power generation system inside the college premises. By installing 18 KW solar power generation systems, our college will meet 2% of the total energy consumption of SIT. Totally By installing solar power generation system, our college will meet 12.6% of the total energy consumption of SIT.

#### 7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	-
Provision for lift	Yes	-
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
2017-2018	1	1	17.08.2017	Apollo Health Checkup	Health Check up	For all the students & faculty members
	1	1	14.09.2017	Awareness Programme on Social Media and Cyber Security	Social Media and Cyber Security	II year students of IT & EEE
	1	1	28.09.2017	Blood Donation Camp	Meenakshi Mission Hospital & research Centre Madurai	Our college students donate 200 blood units
	1	1	26.10.2017	Awareness Program on Blue whale Game & Dengue	Blue whale Game & Dengue	All third year NSS volunteers

1	1	13.10.2017	Rally on International day for Disaster Reduction	Disaster Reduction	All third year NSS volunteers
1	1	04.12.2017 to 08.12.2017	<b>SURVEY-</b> "Mapping of villages adopted by Hon'ble M.Ps in Tamil Nadu -SAGY	Mapping of villages adopted by Hon'ble M.Ps in Tamil Nadu -SAGY	SIT-NSS Volunteers

#### 7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

<b>Title</b>	<b>Date of Publication</b>	<b>Follow up (maximum 100 words each)</b>
Hand Book	Every Year	<ul style="list-style-type: none"> <li>• CBCS Regulations</li> <li>• College rules and Regulations</li> <li>• All Club details</li> <li>• Faculty Details</li> <li>• Placement Details</li> </ul>
Anti-ragging Committee	Every Year	Anti-ragging committee has been formed as per the guidelines of the University Grants Commission. The Anti-Ragging squad conducts surprise checks at vulnerable places and hostels. The College obtains undertaking from students and parents on anti-ragging.
Girls Grievance Redressal Cell	13.09.2017	The college has a Girls Grievance Redressal Cell which redresses the grievances of the girl students and women staff including the grievances on sexual harassment. In addition, suggestion box is available in the department and at common places, the girl students can air their grievances on sexual harassment through the suggestion box. The College has an active Women Task Force which ensures the safety of girls and provides suggestions to improve the safety and security of the girl students and women employees.



7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration	Number of participants
Guest Lecture on “Legal Rights for Women” <b>Guest:</b> Ms.P. Sona Alagesh, Advocate, High Court , Madurai.	07.02.2018	250 Girl students got awareness on legal rights.
Apollo Health Checkup	17.08.2017	For all the students & faculty members
Blood Donation Camp1	28.09.2017	Our college students donate 200 blood units
Tree Plantation	03.10.2017	150 Tree saplings are planted
Awareness program on Road safety	08.02.2018	For all the students & faculty members
Campus Cleaning	16.10.2017	All IT & ECE NSS volunteers
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)		
<b>SEWAGE TREATMENT PLANT:</b>  <p>As a part of sustainable development, our College has a Sewage treatment Plant (STP) worth Rs. 63 Lakhs with a treating capacity of 4 Lakh litres per day (400 KLD). The waste water is treated aerobically using Fluidized Biological Bed Reactor (FBBR) system. A dual media filter set up is provided to enhance the quality of treatment. The waste water generated from various administrative and academic blocks, Hostel and Canteen is treated and the treated water is used for agricultural purposes.</p>		



Programs Organized for ECO Friendly Campus:

S.No	Date	Title of the Program	Resource Person	Remarks
1.	21.08.2017	Seed Ball Workshop	-	All the volunteers involved themselves in creating seedball workshop and distributed the seedball to all the students inorder to motivate the youth about plantation.
2.	05.09.2017	Awareness programme on 'Sustainable Enterprise Award'	Mr.V.SenthilKumar, Founder& Director , Sathyam Group of Companies  Mr.SagarUnde Assistant Awareness Manager JagritiYatri  Mr.S.M.V.Rampraka s Head,SM Wholefoods Trader & Exporter of Jaggery  Mr.MayurKurahde Design Manager,JagritiYatra	Awareness was given regarding Sustainable Enterprise Award
3.	05.10.2017	ECE block cleaning		The volunteers involved in cleaning the department garden.
4.	10.10.2017	Star Champion Event		Volunteers involved in conducting Star Champion Event
5.	20.01.2018	Campus cleaning by Civil Department Students		The volunteers involved in cleaning the department garden.
6.	07.03.2018	EIE department garden cleaning by Chemical Students		The volunteers involved in cleaning the department garden.
7.	13.03.2018 & 14.03.2018	ECE Department garden Cleaning by ECE Students		The volunteers involved in cleaning the department garden.

## 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

Weblink: <http://sethu.ac.in/category/best-practices/>

### Best Practice No. 1

#### **Title of the Practice: Nurturing Social Responsibility through Club Activities**

The College takes efforts to make students and faculty to be aware of their responsibilities towards the societal issues. The College has two National Service Scheme units with two Programme officers and 200 student volunteers. The students experience rural lifestyle and understand the social issues the villagers face through the mandatory seven day annual NSS camp. Moreover the college organizes social outreach programs and ISR activities through the forums like Youth Red Cross, Entrepreneurship Development Cell and Red Ribbon Club. Programs on Women Empowerment, Career orientation to school and polytechnic students were also organized in the college.

Students are encouraged to enroll and participate in NSS, RRC & YRC in the first year itself. Every year, an introductory program is organized for those who have newly joined in NSS. Moreover, the College encourages the NSS volunteers to participate in various societal uplifting activities by providing free vehicle to reach the camp site and also to their hometown.

Our institute has Rotaract Club, NSS, ECO Club, YRC & Photo, Red Ribbon club and Women Empowerment Cell. These clubs are made up of committed students who are willing to share their time, knowledge and experiences to support and promote best practices to the society. Each club is governed by a committee or steering group.

A club's aim is to place where members can learn, share and network together to progress their personal performance and their ability to work together collaboratively to improve the society.

Clubs achieve this through hosting a wide variety of topical and inspiring events with expert speakers, eminent scholars, site visits, best practice projects and social activities.

Each club has indulged in variety of programs like, tree plantations, rural developments, health awareness programs, energy conservation programs, general awareness programs, legal rights to the women in the society, etc.,

The College-neighborhood network has been promoted by signing an MoU with Panchayat Presidents of Kambikudi and Kalkurichi Panchyats which consists of 14 villages. Several outreach programs are conducted towards community development and the students are engaged in these community development programs. The following activities are carried out for sustained community development.

**Mobile Library:** The College has a mobile library in which Newspapers, Magazines, Short story books are displayed in a college van. The student volunteers and library staff go to the villages in this

mobile library and promote reading habits among the villagers.

**Computer Literacy Programs:** The College is a part of “**Digital India Pledge 2015**” campaign, organized by ICTACT which is aimed to trigger the Nation's “Digital India” vision. The campaign aims to train people with low technological literacy to develop their skills required to interact in the New Digital World thereby making India a Digital Nation. In addition to this, basic computer literacy is also provided to rural people.

**Cleaning the environment:** The NSS student volunteers visit the adopted villages on regular basis and they create awareness on the importance of clean environment by cleaning the villages.

**Awareness programs:** The NSS students conduct awareness programs on Child labour, Prevention of Dengue fever, Fire safety, Prevention of AIDS, Ill effects of tobacco, Girl child education etc. The students perform street plays, mimes and debates to create awareness on these issues.

**Blood donation camps:** Awareness programs on the importance of blood donation are conducted in the villages. Blood donation camps are also organized in which students and the villagers donate blood.

**Tree Plantation:** Awareness programs on green environment are conducted and trees are planted in the villages to nurture the green environment in villages.

### **Holistic Development of Students**

The College-neighborhood network and student engagement has contributed to the holistic development of students and sustained community development. The contribution by the students in community development activities has sown the seed of social responsibility in the minds of the students. Some of the important traits that are inculcated during the community development programs are listed below.

- Students involved in social service realize that service is an integral part of human life and that service to the disadvantaged gives indescribable satisfaction.
- They realize the social issues that affect the lifestyle of the rural people.
- The awareness programs conducted on the importance of clean environment, adult literacy, education of girl child etc. becomes reinforcement on the young minds to practice what they profess.
- Blood donation by students has a positive impact on their personality. They become agents of a major life saving activity. During the outbreak of Dengue fever in Virudhunagar and Madurai districts, the students created a database of blood donors of the college and the database was circulated among students and faculty of the college. This noble idea saved many people especially children from Dengue fever during that critical period.
- The students learn to protect the environment through tree planting, and removal of plastic waste from the villages.
- The joy of serving is well understood by the students. It continues even after they complete their degree course in the college. A batch of alumni from the college established an NGO named ‘Padikattukal’ and is actively involved in various community development activities

and they also help the economically weaker students in their education.

- The College is committed to bring the students as socially responsible citizens and make them to contribute to the society.

#### NSS Activities:

S. No	Date	Title of the Program	Resource Person	Remarks
1.	18.07.2017	Rally on voters ID	SIT-NSS units of our College and Thasildar Office, Kariapatti	All third year NSS volunteers are participated
2.	28-07-2017	Electoral Roll Revision Camp for Voter's ID	Thasildar Office, Kariapatti	For all the students & faculty members
3.	10.08.2017	Self Funded Unit	State NSS Cell	Two Units sanctioned for our Institution
4.	15.08.2017	Independence Day 2017	Respected our JCEO,SIT	All the faculty members and NSS volunteers
5.	15.08.2017	Wall Arts	St.Marys HSS madurai	10 NSS Volunteers
6.	17.08.2017	Apollo Health Checkup	Apollo Hospital madurai	For all the students & faculty members
7.	17.08.2017	Charity Box Placement	Meenakshi Mission Hospital & research Centre Madurai	Kept at Canteen
8.	14.09.2017	Awareness Programme on Social Media and Cyber Security	Er.Saravanan	II year students of IT & EEE
9.	28.09.2017	Blood Donation Camp1	Meenakshi Mission Hospital & research Centre Madurai	Our college students donate 200 blood units
10.	03.10.2017	Tree Plantation	Sports Village	150 Tree saplings are planted
11.	05.10.2017	First Prize Award for 2016-2017	Meenakshi Mission Hospital & research Centre Madurai	Donating highest number of blood units
12.	05.10.2017	Best Motivator Award	Meenakshi Mission Hospital & research Centre Madurai	Received by S.Shanmugam AP/MECH NSS PO Units-1 SVK.Muthukumar AP/IT NSS PO Units-2
13.	13.10.2017	Rally on International day for Disaster Reduction	Thasildar Office, Kariapatti	All third year NSS volunteers
14.	16.10.2017	Campus Cleaning	ECE department	All IT & ECE NSS volunteers
15.	26.10.2017	Awareness Program on Blue whale Game & Dengue	SIT-NSS units of our College and Nam Kaaval Paarvai Magazine	All third year NSS volunteers

16.	01.11.2017 to 10.11.2017	South Zone PRE – RD Republic Day parade Selection camp 2017	Sree Sabareesa college, Kerala	Selvan.M.Venkadeshwaran EEE IV year
17.	04.12.2017 to 08.12.2017	<b>SURVEY</b> - Mapping of villages adopted by Hon'ble M.Ps in Tamil Nadu-SAGY	SIT-NSS Volunteers	Kadambankulam village
18.	14.12.2017	Tamil Elocution & Essay Competition	Mr.Malaichamy Asso.Prof / ICE	SIT, RMPC, CEOA Arts, Bhogar Poly
19.	07.01.2018	Wall Art	NSS Volunteers	Sourashtra Boys Higher Secondary School
20.	26.01.2018	<b>SIT-NSS Volunteer</b> participated in Republic Day Parade at New delhi.	<b>Selvan M.Venkateshwaran IV year EEE</b>	New Delhi
21.	06.02.2018 to 09.02.2018	Data Entry work by NSS Volunteers' – Reg vazhikaati program	SIT-NSS Volunteers	IT dept DBMS Lab
22.	08.02.2018 to 09.02.2018	Data Entry work by NSS Volunteers' – Reg Govt Family card and EPIC card details	SIT-NSS Volunteers	IT dept DBMS Lab
23.	08.02.2018	Awareness program on Road safety	CSR Activity by TVS Sundaram Fashioners Krishnapuram	SIT Campus
24.	05.03.2018	NSS Campus Cleaning campaign	Dept EEE & SIT-NSS Units	SIT Campus
25.	19.03.2018	SIT-NSS RD Parade Camp	SIT-NSS Volunteers	-
26.	20.03.2018	Essay Competition	Topic : “Role of society to provide safe food to children and adulterants”	IT-Seminar Hall
27.	25.03.18 to 31.03.2018	Special Camp		Kalkurichi & kambikudi village

#### Women Empowerment Cell Activities:

S.No	Name of the Activity	Period	Suggestions for Improvement	Outcomes
1.	Guest Lecture on “Legal Rights for Women” <b>Guest:</b> Ms.P. Sona Alagesh, Advocate, High Court , Madurai.	07.02.2018	Every year this program should be conducted for all girl students to know their legal rights	250 Girl students got awareness on legal rights.

2.	Workshop on “Fabric Painting” jointly with SIT Fine arts association and Camlin Kokuyo <b>Trainer:</b> Mr. Arun kumar, Camlin	22.02.2018 & 23.02.2018	Along with Camlin this program should be conducted every year.	Around 160 students and 10 faculty members participated.
3.	National Science Day celebration-English Elocution Competition conducted. <b>Topic:</b> Role of women in science and technology	28.02.2018	More students are encouraged to participate.	36 Girl Students participated.
4.	Women’s Day Competitions- 10 Competitions were conducted.	28.02.2018 to 02.03.2018	Every year this Competition is conducted for girl students of all departments to expose their talents.	300 Girl Students participated in various competitions in groups.
5.	Women’s Day Celebration <b>Guest:</b> Dr. Visalakshi Professor(Rtd) & Orator, Fathima College, Madurai.	08.03.2018	Every Year Women’s Day celebration is conducted to mark a call to action for accelerating gender parity.	600 students including all final years and participants of Women’s Day Competition are participated.

#### Youth Red Cross Activities:

#### Guest Lecture:

Date	Topic	Resource Person Detail	Students Benefited Year/Count
2-04-2018	Stress Management	Prof.J.Uma	II year/60 students

#### Short Film context:

S.NO	Name of the students/year	Number of students	Name of the FILM	Date	Participated/ Prize
1	Kavingan Team I.MUTHU INBHA KARTHIK / II-YEAR AGRI	4	“SAVE WATER”	29-03-2018	I-PRIZE
2	Popcorn studios Vasanth & Manoj team / I-Year CSE	5	“GAVANI”	29-03-2018	II-PRIZE

**Photographic Club Activities:**

S.NO	Name of the students/year	Name of the Contest	Date	Prize
1	P.PRABHAKARAN /II-YR(CSE)	BEAUTIFUL MOMENTS	12.03.2018	I-PRIZE
2	S.SABAREESAN /II-YR (CSE)	BEAUTIFUL MOMENTS	12.03.2018	II-PRIZE
3	S.SARAVANAN /II-YR (CSE)	BEAUTIFUL MOMENTS	12.03.2018	III-PRIZE

**Best Practice No. 2****Title of the Practice: Enhancing Employability through Placement Training**

The college has an institutionalized mechanism to organize campus placement programs through Training and Placement Cell. The college has a separate cell for Training and Placement that caters to the students on continuous basis both through in-house training programs and outsourced training programs. The autonomous curriculum includes specialized courses that focus on soft skills development such as Technical English, Business English and Presentation, Reasoning and Quantitative Aptitude and Soft Skills and Communication Laboratory. Foreign language courses on German and French are included as open electives that helps to increase the placement prospects of students in Multi-National Companies.

The Training and Placement Cell functions effectively under the guidance of the Principal, Vice Principal and headed by Placement Officer and Assistant Placement Officer. Every department has placement coordinators and student coordinators to identify the training needs and arrange the training programs for effective placement activities. In addition, a team of faculty members from each department regularly visits the industry for seeking internship, placement and placement related training from industry experts.

The Training and Placement cell has well experienced and qualified trainers to train the students on aptitude, verbal ability, soft skills and technical skills. The Training Cell is managed by a Training Officer. In addition to training for final year students, placement training is also conducted for second year and pre-final year students. The students are tested in technical, aptitude, verbal and analytical skills and given extensive practices through online tests.

The Training Cell also conducts company specific training for students, based on the company requirements. This enables them to prepare for the placement and perform well. Classes are also conducted for interested students on foreign languages like French and Japanese. The placement cell has a proven track record of consistent high quality placements year after year, not only in the on campus drives but also in the state level placement drives conducted by the Centre for University -



Industry Collaboration (CUIC) of Anna University.

In addition to training for final year students, placement training is also conducted for second year and pre-final year students. The students are tested in technical, aptitude, verbal and analytical skills and given extensive practices through online tests. The Training Cell also conducts company specific training for students, based on the company requirements. This enables them to prepare for the placement and perform well. The alumni are invited to provide motivational program, training program and placement assistance for the students. The alumni enthusiastically participate in such activities. The Alumni coordinate with the Placement Cell in organizing placement programs.

### **Details of Training Programs Conducted in the year 2017- 2018**

#### **INTERNAL TRAINING (2017-2018)**

<b>S. No.</b>	<b>Date</b>	<b>Target Students</b>	<b>Focus Area</b>
1.	13.07.2017 to 20.07.2017	All Final year students from CSE &ECE	Aptitude, Communication Soft Skills& C Program
2.	24.07.2017 to 28.07.2017	All Final year students from MECH& EEE	Aptitude, Communication Soft Skills& C Program
3.	21.07.2017 to 26.07.2017	TCS CODE VITA Eligible Students	TCS Code Vita Training Program
4.	07.08.2017 to 11.08.2017	All Final year students from IT, CIVIL, ICE &EIE	Aptitude, Communication Soft Skills& C Program
5.	17.08.2017 to 21.08.2017	Solartis Eligible students from ECE,EEE and IT	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills
6.	04.09.2017 to 08.09.2017	All Third year students from CSE, ECE & IT	Aptitude, Communication Soft Skills& C Program
7.	04.09.2017 to 08.09.2017	All Final year students	Online test
8.	18.09.2017 to 22.09.2017	All Final Year Students	Online test
9.	25.09.2017 to 28.09.2017	All Final Year students from ECE,EEE,EIE & ICE	Aptitude & C, C++ Programs
10.	03.10.2017 to 09.10.2017	All Third year students from EEE, EIE, CIVIL & CHEMICAL	Aptitude, Communication Soft Skills& C Program
11.	13.10.2017 & 16.10.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills



12.	16.11.2017 to 22.11.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills
13.	16.11.2017 to 22.11.2017	All TCS Eligible Final Year students	Mock Interview
14.	19.12.2017 & 20.12.2017	TCS Shortlisted Final Year students	Technical training
15.	08.01.2018 to 10.01.2018	All Third year students from MECH & CIVIL	Aptitude, Communication Soft Skills & C Program
16.	08.01.2018 to 10.01.2018	All Third year students	Technical Test on C Programs
17.	11.01.2018 12.01.2018 & 17.01.2018	All Third year students from CSE & EEE	Aptitude, Communication Soft Skills & C Program
18.	17.01.2018 to 20.01.2018	All Interested Third Year Students Batch I & II	EBOX Training Slot I - Basic Programming and Problem Solving Skills
19.	18.01.2018 to 20.01.2018	All Third year students from EEE, EIE, IT & CHEMICAL	Aptitude, Communication Soft Skills & C Program
20.	01.02.2018 to 02.02.2018	All Interested Third Year ECE & EEE Students Batch I & II.	EBOX Training Slot I - Basic Programming and Problem Solving Skills
21.	05.02.2018 to 08.02.2018	All Interested Third Year Students Batch III	EBOX Training Slot I - Basic Programming and Problem Solving Skills
22.	07.02.2018 & 08.02.2018	All Final Year Sure Soft Eligible students	Sure Soft Placement papers
23.	09.02.2018, 10.02.2018 & 12.02.2018	All Interested Third Year Students Batch I	EBOX Training Slot II - Basic Programming and Problem Solving Skills
24.	13.02.2018 to 15.02.2018	All Interested Third Year Students Batch II	EBOX Training Slot II - Basic Programming and Problem Solving Skills
25.	16.02.2018, 17.02.2018, 19.02.2018 & 20.02.2018	All Final Year Infosys Eligible students	Infosys Placement papers
26.	19.02.2018 to 22.02.2018	All Interested Third Year Students Batch III	EBOX Training Slot II - Basic Programming and Problem Solving Skills
27.	26.02.2018 to 27.02.2018	All Interested Third Year Students Batch I	EBOX Training Slot III - Basic Programming and Problem Solving Skills

28.	20.03.2018 & 21.03.2018	All Interested Second Year CSE Students	Communication Soft Skills & C Program
29.	22.03.2018 & 23.03.2018	All Interested Second Year ECE, IT & CHE Students	Communication Soft Skills & C Program
30.	26.03.2018 & 27.03.2018	All Interested Second Year EEE, AGRI & BIO Students	Communication Soft Skills & C Program
31.	09.03.2018	All Interested Third Year Students	Assessment Test
32.	13.03.2018 & 14.03.2018	All Interested Third Year Students Batch II	EBOX Training Slot III - Basic Programming and Problem Solving Skills
33.	15.03.2018 & 16.03.2018	All Interested Third Year Students Batch III	EBOX Training Slot III - Basic Programming and Problem Solving Skills
34.	17.03.2018	All Interested Third Year Students	Assessment Test

#### EXTERNAL TRAINING (2017-2018)

S.No.	Training Agencies	Date	Target Students	Focus Area
1.	Six Phrase	24.07.2017 to 27.07.2017	All IVTL Eligible Final Year students	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills
2.	Six Phrase	31.07.2017 to 04.08.2017	All Eligible Students From CSE, ICE, ECE, EEE, IT & EIE	Aptitude & Communication Soft Skills
3.	Innate talent	31.07.2017 to 04.08.2017	All Eligible Students From MECH & CIVIL	Aptitude & Communication Soft Skills
4.	Six Phrase	11.09.2017 to 15.09.2017	All Eligible Students From CSE, ICE, ECE, EEE, IT & EIE	Aptitude & Communication Soft Skills
5.	National Skill Development Corporation	09.10.2017 to 11.10.2017	All Eligible Students From CSE, ECE, EEE, EIE, ICE & IT	Skill Development
6.	Silicon Software Solution	20.10.2017 & 21.10.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical Skills
7.	Innate talent	22.10.2017 & 23.10.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical

				Skills
8.	Six Phrase	24.10.2017 to 27.10.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills
9.	Six Phrase	17.11.2017 & 20.11.2017	All TCS Eligible Final Year students	Quantitative Aptitude Training
10.	Innate talent	21.11.2017 & 22.11.2017	All TCS Eligible Final Year students	Company Specific Training Programme on Technical Skills, Aptitude, Communication & Soft skills
11.	National Skill Development Corporation	08.01.2018 to 10.01.2018	For All Students From MECH & CIVIL	Skill Development
12.	Skill Rack	27.03.2018 & 28.03.2018	Interested Third Year Students	Technical Skills

**Placement Achievements in the year 2017-2018:**

Number of Organizations Visited On Camps & Off Campus	Number of Students Placed
91	812

**Details of Alumni Contribution for Training and Placement Activities:**

S.No.	Name of the Alumni Contributed	Name of the Company Visited	Date of Visit	No. of Students Placed
1.	Mr.T.Dhanabalan, (ICE - 2014 batch) Managing Director, Industech Automation Pvt Ltd, Madurai	Surma Tech Company, Chennai	21.03.2018 and 05.04.2018	17
2.	Mr.V.Vishnu Sidhan, (ICE-2014 batch) Assistant Biomedical Engineer, Appasamy Associates, Chennai	Appasamy Associates, Chennai	07.04.2018	10
3.	Mr.T.Raguram, (Civil-2012 batch)	Aarvee Associates Architects Engineers Consultants Private Limited, Hyderabad	12.02.2018	2

	4.	Mr.K.Ganesh, (ICE-2000 batch) Managing Director of Triumph Solutions Ltd., Chennai	Triumph Solutions Ltd., Chennai	17.02.2018	1	
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### 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 weblink of the institution in not more than 500 words

Weblink: <http://sethu.ac.in/category/distinctive-feature/>

#### Curriculum Enrichment through CBCS:

The vision of the college is to promote excellence in technical education and scientific research for the benefit of the society.

#### Mission

- To provide quality technical education to fulfil the aspiration of the student and to meet the needs of the Industry
- To provide holistic learning ambience
- To impart skills leading to employability and entrepreneurship
- To establish effective linkage with industries
- To promote Research and Development activities
- To offer services for the development of society through education and technology

The academic programs are focused towards the Vision and Mission of the college. The College continuously evolves strategies to provide quality technical education to fulfill the aspirations of the students and strive hard to achieve excellence in technical education. The College has committed and well qualified teachers to impart technical and value based knowledge in a conducive learning ambience.

#### I) Enhancement of knowledge through Online courses

By the implementation of autonomy especially the Choice Based Credit System, the students are able to enhance their knowledge through Nationally/Internationally acclaimed Online Courses like NPTEL, Coursera, edX, etc. The students can earn additional credits through these Online Courses or they can replace Professional/Open Elective Courses from their respective curriculum.

Nearly 500 students have been benefited through Online Courses. Autonomous process helps the students to enhance their knowledge through self learning Online Courses. In addition to this, the students are earning credits to their knowledge enhancement.

#### II) Credit transfer and Credit replacement through Courses Offered by internationally acclaimed organization (including SWAYAM online courses)

AICTE has instructed to provide Credit transfer facility for the SWAYAM Online Courses. Based on the instructions of AICTE, our college provides Credit replacement facilities to the students who

undergo SWAYAM - NPTEL Courses and other renowned courses. The facility of credit transfer and credit replacement is provided under the regulation 2015, Choice Based Credit System. In addition to SWAYAM Online courses Internship, R&D Project and Certificate Courses also come under the category of Credit Replacement Courses.

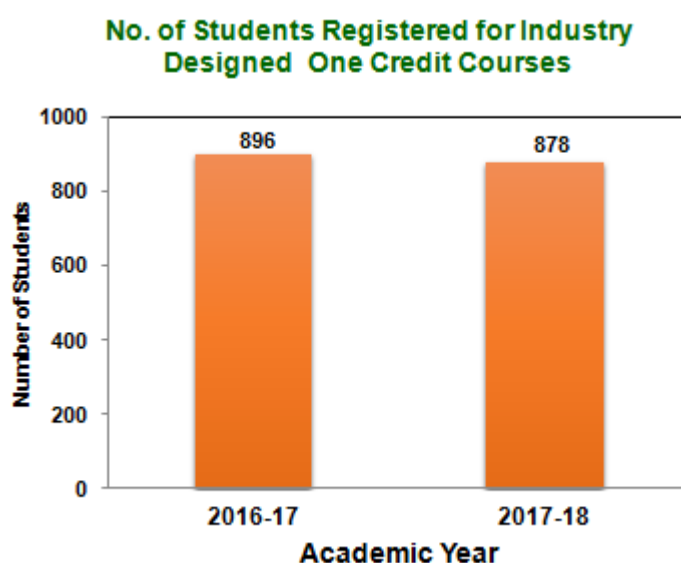
The credit replacement facility encourages the students to undergo globally renowned courses and enable them to compete with the International student community. Thus the autonomous process increases participation in globally renowned courses and competitiveness.

### **III) Industrial exposure through industry designed courses**

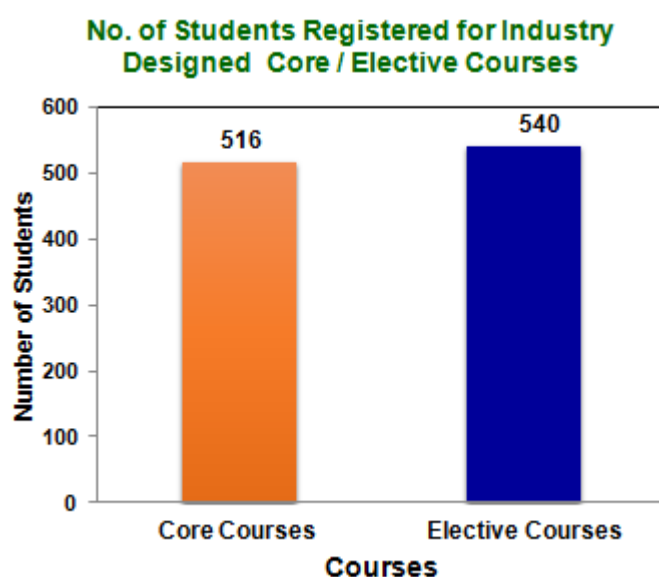
The autonomy has facilitated industry-focused education which enables the students to develop the knowledge, intellectual capacity and professional experience they need for their long-term careers, so that they graduate job-ready.

#### **(a) One Credit Courses Designed by Industries**

In addition to the courses in the curriculum students can learn one credit courses designed in collaboration with the industry/ research organizations/higher learning institutions. The details of students who have registered for One credit courses are given in the chart below.



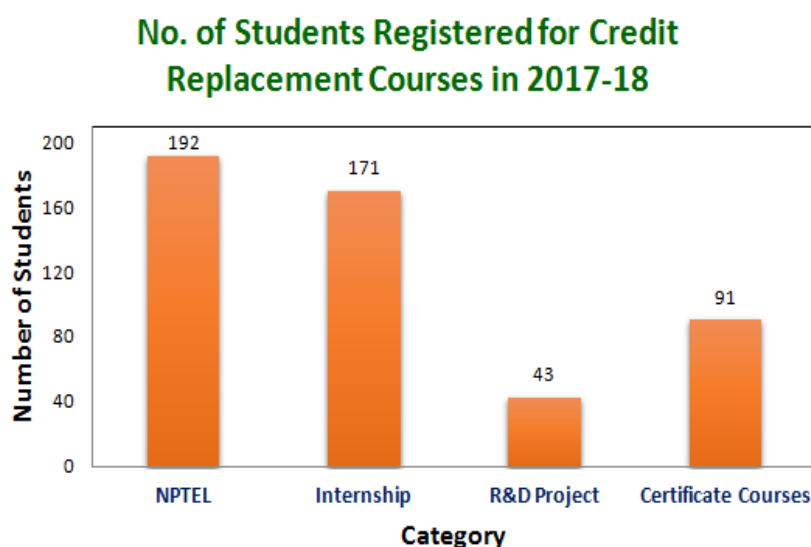
### (b) Core/Elective Courses Designed by Industries



Professional Core courses, Elective Courses and One Credit Courses are designed by Industries. Multinational Companies such as Infosys, Tata Consultancy Services, EMC2 and many other industries have participated in the design of courses. The details of students who have registered for such industry-oriented courses are given below.

### (c) Credit Replacement Courses Designed by Industries

Multinational companies like Infosys roll out courses such as Foundation Program in Python that have classroom sessions coupled with extensive hands on exercises and assignments and these courses enable them to become industry-ready. The Choice Based Credit system has credit replacement option for taking up such courses and the details of students who can take up such courses are given in the chart below.



A total of 497 students are benefited through these Credit Replacement Courses which is 41% of the total students strength in a particular batch

#### **IV) Industry Exposure through Internship and Inplant Training**

Students are exposed to Industrial environment through Internship. Choice Based Credit System has the provision of awarding one credit to two weeks of field training programme / Internship/ Industrial /Practical Training /summer project, undergone in a Company / Organization / Reputed institutions.

#### **V) Multidisciplinary Learning**

The choice based credit system facilitates the students to take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning. The following are some of the avenues for inter-disciplinary learning for the students.

1. Open Elective Courses (OEC) are the Inter-disciplinary courses. The students shall study Inter-disciplinary courses offered in other Engineering/Technology Programmes through regular mode.

2. Multi Disciplinary Project: The final year students can choose the multi-disciplinary project instead of project work. The Multi-disciplinary project consists of:

- Phase – I – Concept Learning
- Phase-II – Multi-disciplinary Project Work

#### **Salient Features of Multi-disciplinary Project:**

The students should undergo the Phase – I concept learning in the 7th semester.

The students who choose Multi-disciplinary are exempted from one professional / open elective course in the 7th semester.

In Phase – I, the evaluation will be carried out mainly through presentation and not through written examination. In Phase – II, the evaluation will be similar to project work.

Multidisciplinary learning allows students to learn by making connections between ideas and concepts across different engineering disciplinary boundaries. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. This will enable them to redefine problems outside normal boundaries and reach solutions based on a new understanding of complex situations.



#### 8. Future Plans of action for next academic year

- NBA Accreditation
- NRI Admission
- Curriculum Revision Based on AICTE Model Curriculum
- Strengthening Industry Relationship
- To encourage more innovation among faculty and students

**Name: Dr.A.MERLINE**  
**Dean, Planning & Development**

*[Signature]*  
18.12.2018

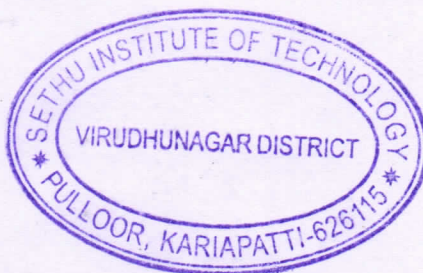
**Signature of the Coordinator, IQAC**

**Name: Dr.A.SENTHIL KUMAR**  
**Principal**

*[Signature]*  
18/12/2018

**Signature of the Chairperson, IQAC**  
**PRINCIPAL**

**SETHU INSTITUTE OF TECHNOLOGY**  
**PULLOOR, KARIAPATTI - 626 115**  
**VIRUDHUNAGAR (Dt)**



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# ANNEXURE

## ANNEXURE I

### Recognition / Approval / Affiliation by Statutory Bodies

#### 1.1 : UGC 2(f) Recognition

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)  
F. No. 8-274/2010 (CPP-I/C)

The Registrar,  
Anna University,  
Tirunelveli – 627 007,  
**Tamil Nadu.**



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली 110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

SETHU INSTITUTE OF TECHNOLOGY PRINCIPAL OFFICE	
Recd. on. 22-10-2010	L. No. 5599/C
Forwarded to UGC File	Signature <i>[Signature]</i>

October, 2010

19 OCT 2010

**Sub:** Recognition of College under Section 2 (f) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. SIT/UGC/2010/03 dated 03.08.2010 received from the Principal, Sethu Institute of Technology, Pulloor, Kariapatti – 626 115, Virudhunagar Dist., (Tamil Nadu) on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **temporarily** affiliated to Anna University, Tirunelveli. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head 'Non Government Colleges teaching upto Master's Degree':-

Name of the College	Year of Establishment	Remarks
Sethu Institute of Technology, Pulloor, Kariapatti – 626 115, Virudhunagar Dist., (Tamil Nadu)	1995	The college does not fulfill the requirement of permanent affiliation. Therefore, the College is <b>not</b> eligible to receive Central assistance under Section 12 (B) of the UGC Act, 1956.

The Indemnity Bond and the supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

*[Signature]*  
(Uma Bali)  
Under Secretary

Copy to:-

- ✓ The Principal, Sethu Institute of Technology, Pulloor, Kariapatti – 626 115, Virudhunagar Dist., (Tamil Nadu).
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary, Higher Education Deptt., Government of Tamilnadu, Secretariat, Chennai – 600 009, (Tamil Nadu).
- The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
- Publication Officer (Website-UGC), New Delhi.
- Section Officer (F.D.-III Section), U.G.C., New Delhi.
- All Sections, U.G.C, New Delhi.
- Guard file.

*[Signature]*  
(Sunita Gulati)  
Section Officer

## 1.2 : UGC 12(B) Recognition

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 8-274/2010 (CPP-I/C)

December, 2014

The Registrar,  
Anna University  
Sardar Patel Road, Chennai – 600 025  
Tamil Nadu

117 DEC 2014

**Sub: -** Declaring a College fit to receive Central Assistance under Section 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. SIT/UGC/2014/02 dated 20.10.2014 received from the Principal, Sethu Institute of Technology, Pulloor, Kariapatti Taluk, Dist. Virudhnagar – 626 115, Tamil Nadu on the above subject and to say that it is noted that the following college is **un-aided/self financed and permanently** affiliated to **Anna University, Chennai**. The college is already included under Section 2 (f) of the UGC Act, 1956 vide this office letter of even No. dated 19.10.2010. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** College teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Sethu Institute of Technology, Pulloor, Kariapatti Taluk, Dist. Virudhnagar – 626 115, Tamil Nadu.	1995	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 <sup>th</sup> July 2011.

The documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)  
Under Secretary

Copy to:-

- ✓ The Principal, Sethu Institute of Technology, Pulloor, Kariapatti Taluk, Dist. Virudhnagar – 626 115, Tamil Nadu.
- The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
- The Secretary, Higher Education Deptt. Government of Tamilnadu, Secretariat, Chennai - 600 009, (Tamil Nadu).
- The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
- Publication Officer (UGC-Website), New Delhi.
- Section Officer (FD-III Section), UGC, New Delhi.
- Guard file.

Sunita  
(Sunita Khanna)  
Section Officer

### 1.3 : Conferment of Autonomous Status by UGC (Page 1 of 2)

अशोक कुमार डोगरा  
Ashok K. Dogra

वित्तीय सलाहकार एवं  
संयुक्त सचिव  
Financial Adviser &  
Joint Secretary



दूरभाष PHONE : कार्यालय OFF : 23232055  
फैक्स FAX : 23219716

विश्वविद्यालय अनुदान आयोग  
बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110 002  
UNIVERSITY GRANTS COMMISSION  
Bahadur Shah Zafar Marg, New Delhi-110 002  
E-mail : akdogra@ugc.ac.in

BY SPEED POST

No.F. 22-1/2012(AC)

The Registrar,  
Anna University,  
Tirunelveli Government College  
of Engineering Campus,  
Tirunelveli – 627 007

SETHU INSTITUTE OF TECHNOLOGY	
Recd. on.	22/8/2012
Forwarded to	UGC file
Signature	

Aug, 2012

17 AUG 2012

Sub:- Conferment of fresh Autonomous Status to Sethu Institute of Technology, Pulloor, Kariapatti, Virudhunagar Distt – 626 115 (Tamil Nadu) affiliated to Anna University of Technology, Tirunelveli.

Sir,

This has reference to the proposal dated 28/09/2011 submitted by Sethu Institute of Technology, Pulloor, Kariapatti, Virudhunagar Distt – 626 115 (Tamil Nadu) under the UGC scheme for conferment of fresh autonomous status and subsequent visit of the UGC Expert committee to consider the proposal on 6<sup>th</sup> and 7<sup>th</sup> June 2012.

The report of the aforesaid Joint UGC Expert Committee was placed before the Standing Committee constituted for the purposes by the Commission to look into the Expert Committee reports for conferment of fresh autonomous status and extension of autonomy to colleges before its recommendations are placed before the Commission for its final approval.

The recommendations of the Standing Committee were placed before the Commission at its meeting held on 18<sup>th</sup> & 19<sup>th</sup> July, 2012. The Commission, after taking due consideration of the recommendations of the Standing Committee, agreed to grant autonomous status to Sethu Institute of Technology, Pulloor, Kariapatti, Virudhunagar Distt – 626 115 (Tamil Nadu) under the UGC autonomous colleges scheme for a period of six year w.e.f. the academic year i.e. 2012-2013 to 2017-2018.

The Anna University, Tirunelveli Government College of Engineering Campus, Tirunelveli – 627 007 may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under this scheme will be released to the College as per its eligibility, according to the norms as laid down in the XIth Plan Guidelines for Autonomous Colleges by the Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4<sup>th</sup> Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001.

Yours faithfully,

(A.K. Dogra)

Contd..



### 1.3 : Conferment of Autonomous Status by UGC (Page 2 of 2)



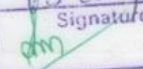
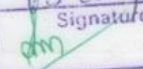
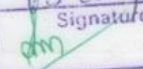
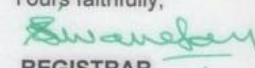
: 2 :

Copy to:-

1. The Principal Secretary, (Higher Education) Govt. of Tamilnadu, N.K.M. Building, 6<sup>th</sup> Floor, Secretariat, Chennai – 600 009 (Tamilnadu).
2. The Dean, Anna University, Tirunelveli Government College of Engineering Campus, Tirunelveli – 627 007
3. The Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4<sup>th</sup> Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001.
- ✓ 4. The Principal, Sethu Institute of Technology, Pulloor, Kariapatti, Virudhunagar Distt – 626 115 (Tamil Nadu).  
(A copy of the Expert Committee report is also enclosed for your information and guidance.)
5. The Under Secretary, BSR Section, UGC, New Delhi.
6. Meeting Cell.
7. Concerned file
8. Guard File.

  
(Lalitha Ganesan)  
Under Secretary

## 1.4: Confirmation of Autonomous Status by Anna University

 <b>ANNA UNIVERSITY</b> <b>CHENNAI – 600 025</b>	 Phone : (O) 22357003, 22357004 (R) 22420095 Fax : 91-44-2235 1956 Gram : ANNATECH E-mail : registrar@annauniv.edu						
<b>REGISTRAR</b>							
Letter No. 1836- B/AU/CAC/Auto/2013							
To The Principal Sethu Institute of Technology Pulloor – 626 115, Kariapatti Taluk Virudhunagar District.	<table border="1" style="border-collapse: collapse;"><tr><td colspan="2" style="text-align: center;"><b>SETHU INSTITUTE OF TECHNOLOGY</b> <b>PRINCIPAL OFFICE</b></td></tr><tr><td style="text-align: center;">Recd. on. 9/12/2013</td><td style="text-align: center;">Lr. No.: 1836/2013</td></tr><tr><td style="text-align: center;">Forwarded to UGC file</td><td style="text-align: center;">Signature </td></tr></table>	<b>SETHU INSTITUTE OF TECHNOLOGY</b> <b>PRINCIPAL OFFICE</b>		Recd. on. 9/12/2013	Lr. No.: 1836/2013	Forwarded to UGC file	Signature 
<b>SETHU INSTITUTE OF TECHNOLOGY</b> <b>PRINCIPAL OFFICE</b>							
Recd. on. 9/12/2013	Lr. No.: 1836/2013						
Forwarded to UGC file	Signature 						
Sir / Madam,							
Sub: Anna University, Chennai – Confirmation of Conferment of Autonomous Status – Regarding							
Ref: 1. Your Letter No. SIT/AUC/2012/06, dated 17.12.2012 2. UGC Letter No. F-22-1/2012(AC), dated. 17.08.2012. 3. The Court Order W. P. Nos. 30528, 30529 & 30944 of 2012 and M. P. Nos. 1 And 1 of 2012. dated. 04.12.2012. 4. Letter No. 271-C/CAC/Autonomous/2013, dated. 11.01.2013. *****							
<p>In pursuance of your letter dated. 23.08.2012 (Ref-1), regarding conferment of fresh Autonomous Status by UGC (Ref-2) on Sethu Institute of Technology, Pulloor – 626 115, Kariapatti Taluk Virudhunagar District, for a period of six years with effect from the academic year 2012 – 2013 to 2017 – 2018 and in compliance with the Court Order (Ref-3), the status of provisional Autonomy is hereby confirmed to Sethu Institute of Technology, (Affiliated to Anna University), Pulloor – 626 115, Kariapatti Taluk Virudhunagar District, for a period of <b>five years</b> with effect from the academic year 2013 – 2014, subject to the Terms and Conditions prescribed by the UGC.</p> <p>You are further directed to constitute the Governing Council, Board of Studies, Academic Council etc., and get the approval for New Curriculum, Syllabus and Regulations and also provide details with regard to the preparedness for conducting of examinations by your institute for all UG / PG programmes that are to be offered under Autonomous Status.</p> <p>As already informed vide (Ref – 4), the students admitted in the academic year 2012 – 2013, fall under affiliating category based on the status of the college at the time of counseling and shall follow the Curricula, Syllabi and Examinations as applicable to the Affiliated Institutions of Anna University, Chennai.</p>							
Yours faithfully,  <b>REGISTRAR</b> 06/03/13							
Copy to:							
<ol style="list-style-type: none"><li>1. The Registrar, High Court of Judicature at Madras, Chennai.</li><li>2. The Principal Secretary to Government, Higher Education Department, Chennai - 09.</li><li>3. The Commissioner, Directorate of Technical Education, Guindy, Chennai – 600 025.</li><li>4. The Chairman, All India Council for Technical Education, New Delhi – 110 001.</li><li>5. The Regional Director, Southern Regional Office, AICTE, Chennai – 600 001.</li><li>6. The Secretary, University Grants Commission, New Delhi – 110 001.</li><li>7. The Joint Secretary, UGC, South Eastern Regional Office, Hyderabad – 500 001.</li><li>8. The Director, Centre for Affiliation, Anna University, Chennai.</li><li>9. The Director, Anna University Regional Office, Tirunelveli.</li><li>10. The DD – UD, CAC / The Stock File – CAC.</li></ol>							

## 1.5 : Approval for the year 2017-2018 by AICTE, New Delhi (Page 1 of 5)



### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

F.No. Southern/1-3324754797/2017/EOA

Date: 10-Apr-2017

To,

The Principal Secretary  
(Higher Education) Govt. of Tamil Nadu,  
N. K. M. Bld. 6th Floor Secretariat,  
Chennai-600009

**Sub: Extension of approval for the academic year 2017-18**

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-419556751	Application Id	1-3324754797
Name of the Institute	SETHU INSTITUTE OF TECHNOLOGY	Institute Address	PULLOOR KARIAPATTI, VIRUDHUNAGAR, VIRUDHUNAGAR, Tamil Nadu, 626115
Name of the Society/Trust	SETHU EDUCATIONAL TRUST	Society/Trust Address	392, ANNANAGAR MAIN ROAD, MADURAI, MADURAI, Tamil Nadu, 625020
Institute Type	Unaided - Private	Region	Southern

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3324754797			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota/ OCI Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMMUNICATION SYSTEMS	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA

Application Number: 1-3324754797

Note: This is a Computer generated Report.No signature is required.

Printed By : AIC001666

Page 1 of 5  
Letter Printed On:17 April 2017

## 1.5 : Approval for the year 2016-2017 by AICTE, New Delhi (Page 2 of 5)



### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER AIDED DESIGN AND MANUFACTURING	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING (NETWORKS)	FULL TIME	Anna University, Chennai	0	0*	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND DRIVES	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI DESIGN	FULL TIME	Anna University, Chennai	0	0*	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AGRICULTURE ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	BIOMEDICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CHEMICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA

Application Number: 1-3324754797

Note: This is a Computer generated Report.No signature is required.

Printed By : AIC001666

Page 2 of 5

Letter Printed On:17 April 2017



## 1.5 : Approval for the year 2016-2017 by AICTE, New Delhi (Page 3 of 5)



### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Anna University, Chennai	240	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	240	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	240	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND INSTRUMENTATION ENGINEERING	FULL TIME	Anna University, Chennai	60	0*	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	FASHION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	0*	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	240	240	NA	NA	NA

The above mentioned approval is subject to the condition that

SETHU INSTITUTE OF TECHNOLOGY

shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2017-18:

Application Id: 1-3324754797			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND INSTRUMENTATION	FULL TIME	Anna University, Chennai	Pending*

Application Number: 1-3324754797

Note: This is a Computer generated Report.No signature is required.

Printed By : AIC001666

Page 3 of 5

Letter Printed On:17 April 2017

## 1.5 : Approval for the year 2016-2017 by AICTE, New Delhi (Page 4 of 5)



### All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

OGY			ENGINEERING : (Last Approved Intake 60)			
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	FASHION TECHNOLOGY : (Last Approved Intake 60)	FULL TIME	Anna University, Chennai	Pending <sup>\$</sup>

<sup>\$</sup> due to non submission of NOC's from University / Board and / or State Government

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**Note: Validity of the course details may be verified at [www.aicte-india.org](http://www.aicte-india.org)**

**Prof. A.P Mittal**  
**Member Secretary, AICTE**

Copy to:

- The Regional Officer,**  
All India Council for Technical Education  
Shastri Bhawan 26, Haddows Road  
Chennai - 600 006, Tamil Nadu
- The Director Of Technical Education\*\*,**  
Tamil Nadu
- The Registrar\*\*,**  
Anna University, Chennai
- The Principal / Director,**  
SETHU INSTITUTE OF TECHNOLOGY  
PULLOOR  
KARIAPATTI,  
VIRUDHUNAGAR, VIRUDHUNAGAR,  
Tamil Nadu, 626115
- The Secretary / Chairman,**  
SETHU EDUCATIONAL TRUST  
392, ANNANAGAR MAIN ROAD,  
MADURAI, MADURAI,  
Tamil Nadu, 625020
- Guard File(AICTE)**

**Note: \*\* - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.**

Application Number: 1-3324754797

Note: This is a Computer generated Report.No signature is required.

Printed By : AIC001666

Page 4 of 5  
Letter Printed On: 17 April 2017

## 1.5 : Approval for the year 2016-2017 by AICTE, New Delhi (Page 5 of 5)



### **All India Council for Technical Education**

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

Application Number: 1-3324754797  
Note: This is a Computer generated Report.No signature is required.  
Printed By : AIC001666

Page 5 of 5  
Letter Printed On:17 April 2017

## 1.6 : Anna University Permanent Affiliation (Page 1 of 2)



REGISTRAR

**ANNA UNIVERSITY**  
CHENNAI - 600 025, INDIA

Phone : (0) 22352161, 22357004

Fax : 81-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

Lr. No. 467 / CAI / Permanent Affn. / 2014-15

Dated: 08.10.2014

To

The Principal,  
**Sethu Institute of Technology,**  
Pulloor, Kariapatti Taluk,  
Virudhunagar District – 626 115.

Sir,

Sub: **Permanent Affiliation** - Granting of Permanent Affiliation for the existing programmes – 2014-15 – Reg.

Ref: Your application for the grant of Permanent Affiliation.

\*\*\*\*\*

I am to inform that under the provisions of section 7.6.2 of the Anna University statutes for affiliation, **Permanent Affiliation** for the existing programme(s) is granted for the following B.E. / B.Tech. / B.Arch. / M.E. / M.Tech. / M.B.A / M.C.A programme(s) with the sanctioned intake indicated against each from the academic year 2014-15 at **Sethu Institute of Technology, Pulloor, Kariapatti Taluk, Virudhunagar District – 626 115.**

Sl. No.	Degree	Programme(s)	Sanctioned intake	Year from which Permanent Affiliation is granted
1	B.E.	Computer Science and Engineering	240	2014-15
2	B.E.	Electrical and Electronics Engineering	180	
3	B.E.	Electronics and Communication Engineering	240	
4	B.E.	Instrumentation and Control Engineering	60	
5	B.E.	Mechanical Engineering	240	
6	M.E.	CAD/CAM	18	

The above said status of Permanent Affiliation is granted subject to the following conditions:

1. The college should obtain extension of approval by the UGC / AICTE / COA / DGS as applicable for every academic year for the above mentioned programmes with the corresponding sanctioned intake. In the absence of extension of approval from the appropriate authority, the Permanent Affiliation now granted will not be valid.
2. In case of increase in intake granted by the appropriate authority for a permanently affiliated programme, the college should apply to the University for the grant of affiliation for the increased intake and orders of the University should be obtained for increasing the intake of the permanently affiliated programme.

## 1.6 : Anna University Permanent Affiliation (Page 2 of 2)

3. The college should continue to fulfill the requirements for the above mentioned programmes as per the norms and standards of the University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for these programmes.
4. The college should strictly adhere to and comply with the provisions of Anna University Act / Statutes / Regulations norms and standards / guidelines or any other law time being in force.
5. The permanent affiliation granted may be suspended / withdrawn after adopting the procedures laid down in the Regulations, if the college fails to comply with the provisions made in this behalf or the college has failed to observe / implement any of the conditions of affiliation or the college has conducted in a manner which is prejudicial to the interests of University education and/or students.
6. Notwithstanding the granting of Permanent Affiliation, the university reserves its right to inspect the college to verify the continued fulfillment of the affiliation requirements as prescribed by the University for the Programmes concerned.
7. The Permanent Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of Tamil Nadu Land Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A.No. 3454 / 2002 batch and W.A.No. 3482 / 2002 batch.
8. The Management is directed to submit a duly signed undertaking on a Rs.100/- non-judicial stamp paper to the Registrar, Anna University Chennai, Chennai-600 025, within 15 days from the date of receipt of this letter to the effect that the conditions specified above will be fulfilled.



Copy to:

1. The Commissioner of Technical Education, Chennai – 600 025
2. The Controller of Examinations, Anna University Chennai, Chennai – 600 025.
3. The Director, Student Affairs, Anna University Chennai, Chennai – 600 025.
4. The Director, Academic Courses, Anna University Chennai, Chennai – 600 025.
5. Master File.

Yours sincerely

A handwritten signature in blue ink, appearing to be "Rajesh Kumar", written over the printed name of the Registrar.

**REGISTRAR**  
**REGISTRAR**  
**ANNA UNIVERSITY**  
**CHENNAI-600 025**



## 1.7 : Anna University Affiliation for the year 2017-2018 (Page 1 of 2)



**ANNA UNIVERSITY**  
**CHENNAI - 600 025, INDIA**

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

Lr No. 02 /AFFLN/CAI/TVL/AU/2017-18/9217

Date: 15-05-2017

To

The Principal,  
Sethu Institute of Technology(Autonomous),  
Pulloor, Kariapatti, Virudhunagar-626 115.

Sir,

Sub: AU - AFFILIATION - Provisional Affiliation for the Existing course(s) / New course(s) / Variation in intake - U.G. / P.G. for the academic year 2017-18 Granted - Reg.

- Ref: 1. Your application for affiliation for the academic year 2017-18.  
2. AICTE / COA / DGS Approval for the academic year 2017-18.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for Affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2017-18** at **Sethu Institute of Technology(Autonomous),Pulloor, Kariapatti, Virudhunagar-626115.**

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2016-17	2017-18
1	B.E.	Agriculture Engineering	60	60
2	B.E.	Biomedical Engineering	60	60
3	B.E.	Civil Engineering	180	180
4	B.E.	Computer Science and Engineering (Permanent)	240	180
5	B.E.	Electrical and Electronics Engineering (Permanent)	240	120
6	B.E.	Electronics and Communication Engineering (Permanent)	240	180
7	B.Tech.	Chemical Engineering	60	60
8	B.Tech.	Information Technology	60	60
9	M.E.	Communication Systems	18	18
10	M.E.	Computer Science and Engineering	18	18
11	M.E.	Power Electronics and Drives	18	18
12	M.E.	Structural Engineering	18	18

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a Committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE / University and the laboratory requirements as per the curricula and syllabi of

## 1.7 : Anna University Affiliation for the year 2017-2018 (Page 2 of 2)

Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.

- Students should not be admitted for the above course(s) for the next academic year 2018-19 without obtaining the order of continuation of provisional affiliation for the next academic year from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (L.C) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.



Yours sincerely,

  
**REGISTRAR  
REGISTRAR  
ANNA UNIVERSITY  
CHENNAI-600 025**

Copy to:

1. The Director of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
3. Master file.

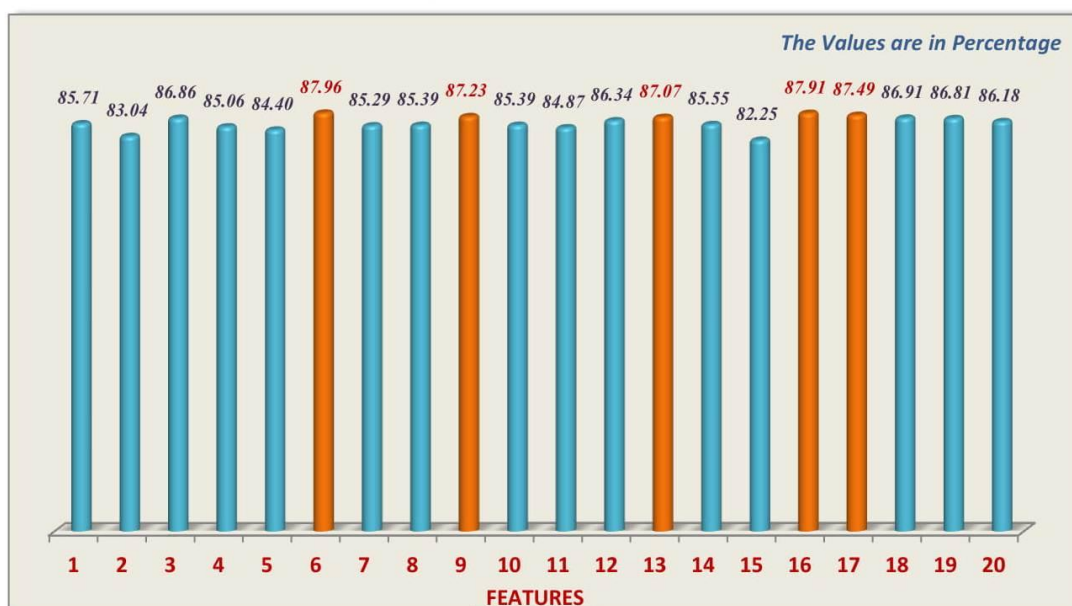
## 1.8 : NAAC Certificate





## ANNEXURE II

Student Satisfaction Survey on Overall Institutional Performance (2017-2018)



FEATURES	
<b>INFRASTRUCTURE</b>	
1	General Infrastructure and Ambience
2	Lab Facilities
3	Central Library (Space, Books, Journals, digital library)
4	Reprographic facility
5	Canteen facility
<b>CURRICULAR ASPECTS</b>	
6	Curriculum and Syllabus help in Employability and Entrepreneurship
7	Balance between Theory and Practical
8	Engineering design skills provided by the Curriculum
9	Adequate choices for Electives
10	Curriculum includes sufficient Modern tools (Hardware and Software)

FEATURES	
<b>TEACHING LEARNING PROCESS</b>	
11	Use of ICT tools for better Teaching Learning Process
12	Program Outcomes and Course Outcomes provided by the Programme are clear
13	Quality of Course materials for Learning
14	Use of Innovative Teaching methods by Faculty members
15	Exposure to Industry practices through Guest Lectures, Industrial Visits and Industrial Projects
<b>STUDENT SUPPORT SERVICES</b>	
16	Motivation for Academic excellence through Awards
17	Encouragement/Support to participate in Co-curricular and Extra-curricular activities
18	Placement Training activities
19	Campus Placement activities
20	Grievance Redressal through Suggestion Committee and Grievance Redressal Cells

### ANNEXURE III

### EVENTS GALLERY



*Alumni Reunion at SIT Campus – October 21, 2017*



*Entrepreneurship Awareness Camp– Feb 07, 2018*





*“Ethical Hacking” Guest Lecture by Mr.S.Periakaruppan (CSE Alumni- 2016) on 20.02.2018*



*Participation of CSE Team in Smart India Hackathon 2018 - Grand Final – March 30, 2018*



*One Week NSS Special Camp – March 2018*



*Innovative Project Exhibition by Mechanical Engineering Students on March 27, 2018*





*“Ethical Hacking” Guest Lecture by Mr.S.Mohamed Hafiz Hussain (ECE Alumni- 2017) on April 4, 2018*



*National Conference by Mechanical Engineering Department on April 20, 2018*

## **ANNEXURE IV**

### **ABBREVIATIONS**

<b>AAA</b>	...	Academic Administrative Audit
<b>AISHE</b>	...	All India Survey on Higher Education
<b>AQAR</b>	...	Annual Quality Assurance Report
<b>CAT</b>	...	Common Admission Test
<b>CBCS</b>	...	Choice Based Credit System
<b>CPE</b>	...	College with Potential for Excellence
<b>CSIR</b>	...	Council of Scientific & Industrial Research
<b>DBT</b>	...	Department of Bio-Technology
<b>DST</b>	...	Department of Science & Technology
<b>GATE</b>	...	Graduate Aptitude Test
<b>ICMR</b>	...	Indian Council of Medical Research
<b>ICT</b>	...	Information and Communication Technology
<b>ISHRAE</b>	...	Indian Society of Heating and Refrigeration Air Conditioning Engineering
<b>ISO</b>	...	International Organization for Standardization
<b>IQAC</b>	...	Internal Quality Assurance Cell
<b>LMS</b>	...	Learning Management Systems
<b>MoU</b>	...	Memorandum of Understanding
<b>NAAC</b>	...	National Assessment and Accreditation Council
<b>NBA</b>	...	National Board of Accreditation
<b>NET</b>	...	National Eligibility Test
<b>NIRF</b>	...	National Institutional Ranking Framework
<b>PG</b>	...	Post-Graduate Programme
<b>SLET</b>	...	State Level Eligibility Test
<b>SSS</b>	...	Student Satisfaction Survey
<b>TEQIP</b>	...	Technical Education Quality Improvement Programme
<b>UG</b>	...	Under-Graduate Programme
<b>UGC</b>	...	University Grants Commission