



SETHU INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University, Chennai

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

INTERNAL QUALITY ASSURANCE CELL



Annual Quality Assurance Report 2018 - 19

Submitted to
National Assessment and Accreditation Council
Bangalore, India

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Yearly Status Report - 2018-2019

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.	04566308006
Mobile no.	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
Pincode	626115

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	17-Aug-2012
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr .A.MERLINE
Phone no/Alternate Phone no.	04566229707
Mobile no.	9976885282
Registered Email	naac.sit@sethu.ac.in
Alternate Email	merline@sethu.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.sethu.ac.in/IQAC/AQAR_2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://sethu.ac.in/academic-calendar-2018-19/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.10	2016	17-Mar-2016	16-Mar-2021

6. Date of Establishment of IQAC	27-Mar-2015
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Guest lecture on Outcome based Education by	22-Jan-2019 1	31

Mr.S.Deivasigamani, Deputy Dean, Faculty of Electrical Engineering, AIMST University, Malaysia		
Review of Achievements of targets of Strategic Plan 2016-2020 for 2018-2019	23-Jan-2019 1	5
External Peer Team Audit	16-Feb-2019 1	321
Strategic Plan: Achievements of targets for 2017-2018 and Fixing targets for 2018-2019	17-Jul-2018 1	5
IQAC Meeting 8	14-Aug-2018 1	24
Academic Audit	15-Sep-2018 3	321
Presentation on Curriculum Gap, Process for PO & CO attainment and Course Outcomes for Mandatory courses, Project Work & other Special Courses	17-Oct-2018 1	50
Presentation on Processes in NBA SAR and Best Practices	31-Oct-2018 1	44
Presentation on Consolidated CO Attainment by MECH & IT Programmes	14-Nov-2018 1	44
IQAC Meeting 9	23-Nov-2018 1	25
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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
Sethu Institute of Technology	Extension of Autonomous Status	UGC	2018 1826	0
Sethu Institute of Technology	Obtained Three star rating for the college Innovation Council (IIC)	IIC, MHRD	2018 0	0
Sethu Institute of Technology	Unnat Bharat Abhiyan	AICTE	2019 730	550000

Sethu Institute of Technology	Platinum category award for Industry Institute Interaction	AICTE - CII Survey	2018 365	0
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9. Whether composition of IQAC as per latest NAAC guidelines:			Yes	
Upload latest notification of formation of IQAC			View File	
10. Number of IQAC meetings held during the year :			4	
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website			Yes	
Upload the minutes of meeting and action taken report			View File	
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?			No	
12. Significant contributions made by IQAC during the current year(maximum five bullets)				
1. Institutionalizing the Quality Assurance practices as per NBA and NAAC Criteria				
2. Faculty training on Outcome Based Education				
3. Organizing the Academic Audit, and External Peer Team Audit				
4. Awareness about the preparation of NAAC Accreditation Self-Study Report				
5. Coordinating the activities for National Institutional Ranking Framework (NIRF)				
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year				
Plan of Action		Achivements/Outcomes		
NBA Accreditation		Self Assessment Report of B.E. Mech and B.Tech. IT were submitted in January 2019 and NBA Expert Team visit was held		

	in November 2019. The programmes were accredited by NBA for three years
NRI Admission	To improve NRI Admissions, NRI Hostels were newly constructed and Students from Jammu & Kashmir have been admitted
Curriculum Revision Based on AICTE Model Curriculum	Curriculum have been revised based on AICTE model curriculum and Board of Studies and Academic Council Meetings have been conducted to approve the revised curriculum
Strengthening Industry Relationship	Guest Lecture on Importance of 5S in Industries on 19.01.2019 by the Department of Mechanical Engineering to the employees of Shri Thirumaal Industries, Vilangudi, Madurai. DELL EMC External Research Academic Alliance in the field of Data Science is established. The following consultancy projects were accomplished by the Departments of Mechanical and IT: Facing spacers on both side which are used as spare parts in heavy vehicle like tractors. Design and fabrication of Solar air heaters for the improvement of methods and applications. Development of Online Air Quality Monitoring with IoT Big Data. Online Trading Tips Application. Money Exchange Software (Ongoing Consultancy).
To encourage more innovation among faculty and students	Students and Faculty are encouraged to participate in Innovation contests conducted by different organizations. One team from IT department participated in Smart India Hackathon 2019 Software Edition Final at New Delhi Institute of Management 01.03.2019 . The team from EEE department won First Prize in Smart India Hackathon 2019 Hardware Edition Final at IIT Delhi on 12.07.2019.
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14. Whether AQAR was placed before statutory body ?	Yes				
<table> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> <tr> <td>IQAC</td><td>22-Nov-2019</td></tr> </table>	Name of Statutory Body	Meeting Date	IQAC	22-Nov-2019	
Name of Statutory Body	Meeting Date				
IQAC	22-Nov-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				

Date of Visit	24-Sep-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	10-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>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. An exclusive mobile app has been developed for the students on Exam related announcements like date of examination, hall arrangement, Seating arrangement, etc... Details of Faculty course allocation, internal marks, student attendance etc. can be obtained. All students can access their attendance, marks and the fees details in the Student Portal. All Faculty members can update and access their Academic related participating programs like Seminars, workshops FDPs and their publications in Journals Conferences.</p>

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	UME	Mechanical Engineering	25/06/2018
BE	UCS	Computer Science and Engineering	25/06/2018
BE	UEC	Electronics and Communication Engineering	25/06/2018

BE	UEE	Electrical and Electronics Engineering	25/06/2018
BTech	UIT	Information Technology	25/06/2018
BE	UCE	Civil Engineering	25/06/2018
BTech	UCH	Chemical Engineering	25/06/2018
BE	UAG	Agriculture Engineering	25/06/2018
BE	UBM	Biomedical Engineering	25/06/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Mechanical Engineering	25/06/2018	15UME302 Manufacturing Technology I	25/06/2018
BE	Mechanical Engineering	25/06/2018	15UME403 Manufacturing Technology II	25/06/2018
BE	Computer Science and Engineering	25/06/2018	15UGM953 - Embedded Programming	25/06/2018
BE	Electronics and Communication Engineering	25/06/2018	15UEC924 - Machine Learning and Artificial Intelligence	25/06/2018
BE	Electronics and Communication Engineering	25/06/2018	15UEC865 - Programming in R	25/06/2018
BE	Electrical and Electronics Engineering	25/06/2018	15UGM954 - Smart Buildings	25/06/2018
BE	Electrical and Electronics Engineering	25/06/2018	15UGM955 - Electric Vehicles	25/06/2018
BTech	Chemical Engineering	25/06/2018	15UCM862 - Simulation on process fundamentals	25/06/2018
BE	Agriculture Engineering	25/06/2018	15UAG918 - Design and construction of green house	25/06/2018
BE	Biomedical Engineering	25/06/2018	15UBM866 - Multi Medical	25/06/2018

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Mechanical Engineering - Smart Manufacturing(15UGM951)	25/06/2018
BE	Computer Science and Engineering - Embedded Programming(15UGM953)	25/06/2018
BE	Electronics and Communication Engineering - Sensors and Actuators(15UEC976)	25/06/2018
BE	Electronics and Communication Engineering - Machine Learning and Artificial Intelligence(15UEC924)	25/06/2018
BE	Electrical and Electronics Engineering - Electric Hazards and Safety in Hospitals(15UGM956)	25/06/2018
BTech	Information Technology - Website Designing(15UIT978)	25/06/2018
BE	Civil Engineering - Waste to Energy Conversion(15UGM959)	25/06/2018
BTech	Chemical Engineering - Simulation on Process Fundamentals(15UCH862)	25/06/2018
BE	Agriculture Engineering - Crop Husbandary Laboratory(15UAG307)	25/06/2018
BE	Biomedical Engineering - Embedded Systems in Medicine(15UBM917)	25/06/2018
BE	Biomedical Engineering - Big Data and IoT(15UGM953)	25/06/2018
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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	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	25/06/2018
BE	Computer Science and Engineering	25/06/2018
BE	Electronics and Communication Engineering	25/06/2018
BE	Electrical and Electronics Engineering	25/06/2018
BTech	Information Technology	25/06/2018
BE	Civil Engineering	25/06/2018
BTech	Chemical Engineering	25/06/2018
BE	Agriculture Engineering	25/06/2018
BE	Biomedical Engineering	25/06/2018

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
Embedded System and its Design	25/06/2018	157
Home Automation based on IoT	25/06/2018	145
Programming in C Language	25/06/2018	45
Hands on Training on Electrical Wiring	25/06/2018	103
Total Station	25/06/2018	67
Revit Architecture	25/06/2018	21
Autocad	25/06/2018	23
Introduction to MATLAB	25/06/2018	53
Medical Coding	25/06/2018	53
Multi Medical Equipments Operating Skills Laboratory	25/06/2018	45
Medical Science	25/06/2018	44
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	169
BE	Computer Science and Engineering	95
BE	Electronics and Communication Engineering	41
BE	Electrical and	124

	Electronics Engineering	
BTech	Information Technology	33
BE	Civil Engineering	42
BTech	Chemical Engineering	28
BE	Agriculture Engineering	15
BE	Biomedical Engineering	2
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>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. The stakeholders input is considered as one main factors in the design of curriculum and syllabi. Whenever changes are planned in the curriculum and syllabi feedback is obtained from them. Feedback from AICTE and University nominees: Feedback has also been obtained from eminent members of various committees of AICTE, NBA, Anna University and ISO audit team. The interactions held with eminent personalities from industry and academia have also helped the faculty members to upgrade the curricula to meet global challenges Feedback from Students: The students are given a questionnaire to give their opinion for inclusion or deletion of a course. The suggestions are carefully analyzed and the necessary changes are made in the curriculum and syllabi based on the need assessment. Feedback from faculty members: Faculty members provide their feedback regarding the general curriculum design and development of the program, new topics to be introduced and its relevance and the obsolete topics to be deleted or modified and reasons thereof. They also provide suggestions for introduction of new courses in the curriculum. Feedback from Alumni: Alumni feedback about the curriculum and syllabi is obtained every year. The feedback is analyzed the changes recommended are incorporated if necessary. Feedback from Employers Feedback from employers is obtained every year to assess the suitability of the curriculum for employment opportunities and to update /modify the curriculum as per the need of the industries. Feedback from AICTE and University nominees: Feedback has also been obtained from eminent members of various committees of AICTE, NBA, Anna University and ISO audit team. The interactions held with eminent personalities from industry and academia have also helped the faculty members to upgrade the curricula to meet global challenges Feedback from Eminent Persons: The senior faculty members from Anna University, NITs, IITs and eminent people from industries form part of the Board of Studies, Academic Council and Governing Council. The feedback,</p>

recommendations, and ideas are obtained from these eminent personalities and given due importance for incorporation into the revised curriculum and syllabi

Feedback from Parents: Feedback is obtained from parents for the updation of curriculum and syllabi.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Mechanical Engineering	240	223	195
BE	Computer Science and Engineering	180	216	180
BE	Electronics and Communication Engineering	180	171	148
BE	Electrical and Electronics Engineering	180	105	89
BTech	Information Technology	60	68	58
BE	Civil Engineering	120	106	87
BTech	Chemical Engineering	60	32	23
BE	Agriculture Engineering	60	72	59
BE	Biomedical Engineering	60	65	51
ME	CAD / CAM	18	13	9
ME	Computer Science and Engineering	18	12	9
ME	Communication Systems	18	27	18
ME	Power Electronics and Drives	18	10	6
ME	Structural Engineering	18	24	16
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2018	4485	87	339	0	339

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
339	339	42	15	11	117

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

The College provides mentoring through the mentoring system. The mentor is a faculty member who takes care of 1520 students and gives counselling and guidance to them towards their development and betterment in their academic and nonacademics such as sports, extracurricular, cocurricular, behavioral and psychological phenomena. A professional counselor is also available at the campus to provide necessary guidance to the students. Slow learners are identified and counselled 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. The mentors also determine the need for special counselling and recommends for external counselling through the professional counselor who periodically visits the college.

Types of Mentoring: i) Course Work Specific: In Choice Based Credit system the course registration plays a vital role. The mentors help the students to keep track of their attendance and inform their parents also periodically. Mentors meet the parents to discuss the academic progress of the students. ii) Professional Guidance: It is essential for the students to upgrade their skills to international standards through significant industry involvement. Departments take efforts for this by conducting Value added courses beyond the curriculum for developing the skills of the students. The mentors create awareness to students about these courses and guide them for enrolment. Faculty members act as mentors for NPTEL courses. Students are also encouraged to participate in National and International level contests such as Smart India Hackathon, TCS Code Vita, etc. Mentors orient the students to participate in such contests. iii) Overall Development: The College concerned about the overall development of students and it provides ample opportunity to improve their overall personality. Mentors take special care in motivating their wards to participate in such programs/ activities and they encourage their wards to participate cocurricular and extracurricular activities that are conducted in other institutions and in our College. Efficacy of Mentoring System: After counselling by the Faculty Mentor and the Professional counsellor, the positive changes were observed in the students. The students are motivated to study well and advised to develop regular study habits. Due to the persistent mentoring, the academic performance of few students improved. The students who involve in indiscipline activities are counselled and behavioural changes were observed in few students. Students who have psychological problems and depressed are counselled by Professional Counsellor and proper support is provided to overcome their problems. They are also advised to get the help of doctors. The students who have problems in interpersonal relations among peer (male and female), parents, and teachers are counselled and the interpersonal relations improved.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4572	339	13.48

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
310	339	0	108	78

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National,

International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.S.Siva Ranjani	Professor	Best Professor in Information Technology by Innovative Education Leadership Award
2019	Dr.R.Kumutha	Professor	Shayesta Akhtar Memorial National Award for the Best women Engineering College Teacher from ISTE.
2019	Dr. B. Raja Mohamed Rabi	Professor	Excellence in Teaching from Institute of Exploring Advances in Science and Engineering
2019	Dr. G. Pitchayya Pillai	Professor	Reviewer Award from International Journal of Material Sciences and Engineering
2019	Dr. N. Premalatha	Associate Professor	Reviewer Award from Computer and Electronics in Agriculture
2018	Mr.R.Rajaguru	Associate Professor	Gold Infosys Campus Connect of Infosys Limited
2018	Mrs.B.Pandeeswari	Assistant Professor	Bronze Infosys Campus Connect of Infosys Limited
2018	Mr.Mohammed Faiz	Assistant Professor	Bronze Infosys Campus Connect of Infosys Limited
2018	Mrs.P.S.Sharanshree	Assistant Professor	Competent Communicator Toastmasters International Communication Program
2018	Dr.C.Callins Christiyana	Professor	NPTEL award - Elite Gold Topper of 1
2018	Mr.R.Rajaguru	Associate Professor	Best SPoC award by Infosys Limited
2018	Mrs.R.Sivaranjani	Associate Professor	NPTEL Award Top 5

			of Certified Candidates
2018	Mr.B.Muthupandian	Assistant Professor	NPTEL Award Top 5 of Certified Candidates
View File			

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
BE	UME,UCS, UEC,UEE, UCE,UAG, UBM	Nov 2018	09/01/2019	02/02/2019
BTech	UIT, UCH	Nov 2018	09/01/2019	02/02/2019
ME	PCD,PCS, PCM,PPE, PSE	Nov 2018	29/12/2018	14/01/2019
BE	UME,UCS, UEC,UEE, UCE,UAG, UBM	Apr 2019	10/04/2019	21/05/2019
BTech	UIT, UCH	Apr 2019	10/04/2019	21/05/2019
ME	PCD,PCS, PCM,PPE, PSE	Apr 2019	09/05/2019	21/05/2019
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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
45	9380	0.48

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://sethu.ac.in/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UME	BE	Mechanical Engineering	283	245	86.57
UCS	BE	Computer Science and Engineering	182	159	87.36
UEC	BE	Electronics	195	163	83.59

		and Communication Engineering			
UEE	BE	Electrical and Electronics Engineering	201	169	84.08
UIT	BTech	Information Technology	47	38	80.85
UCE	BE	Civil Engineering	197	160	81.22
UCH	BTech	Chemical Engineering	52	51	98.08
PCD	ME	CAD / CAM	1	1	100
PCS	ME	Computer Science and Engineering	6	6	100
PCM	ME	Communication Systems	3	3	100
PPE	ME	Power Electronics and Drives	2	2	100
PSE	ME	Structural Engineering	10	9	90
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2.7 – Student Satisfaction Survey

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

<https://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
Name of the teacher getting seed money
PARAMASAMY S
View File

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr.R.Tamilselvi	IEI Fellowship	11/08/2018	IEI

International	Dr.M.Parisa Beham	IEI Fellowship	11/08/2018	IEI
International	Dr.R.Tamilselvi	DST Texas Innovator Award	03/12/2018	Texas Instruments
International	Dr.M.Parisa Beham	DST Texas Innovator Award	03/12/2018	Texas Instruments
National	Dr.R.Kumutha	Shayesta Akhtar Memorial National Award for the Best women Engineering College Teacher	19/03/2019	ISTE
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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	1095	DSTSRI	40.29	4
Major Projects	1095	ARMERB DRDO	19.41	6.89
Major Projects	1095	DSTSRI	27.35	3.5
Industry sponsored Projects	365	DST Texas Instruments	0.15	0.15
View File				

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

6

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
Seminar on 'Intellectual Property Rights'	Mechanical Engineering	11/02/2019
Latest Technology in cloud computing Big data with Intelligence	Computer Science Engineering	11/07/2018
Ethical Hacking security	Computer Science Engineering	13/07/2018
Placement Opportunities Industry Perspective	Computer Science Engineering	14/07/2018
Cloud Computing	Computer Science Engineering	28/09/2018
Data science Big data Analytics	Computer Science Engineering	28/09/2018
Agile Software	Computer Science	29/09/2018

Development	Engineering	
Penetration of Linux - open source	Computer Science Engineering	03/10/2018
Artificial Intelligence and Machine Learning	Computer Science Engineering	29/10/2018
Five Days Hands on FDP on Machine learning Using Python	Computer Science Engineering	26/11/2018
Overview of Cloud Computing and its industrial use cases	Computer Science Engineering	31/01/2019
View File		

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
IEI Award	T.Ruba,R.Tamil Selvi and M.Parisa Beham	IEI	11/08/2018	Research scholars
Texas Innovator Award	S.M Nazia Fathima, R.Tamil Selvi and M.Parisa Beham	Texas Instruments DST, New Delhi	03/12/2018	Research scholars
Smart India Hackathon 2019 Software Edition Final	S.Prithivirajan , M.Madhu Anandhi, M.Dhivyameena, S.B. Saravanapandiyan, Abdullah Sahul Hameed, M.Mohamed Noohu Abbas	MHRD, Govt of India	12/07/2019	Students
View File				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Science and Humanities	2
Mechanical Engineering	6
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	MECH	25	1.35
International	CSE	13	0.82
International	ECE	15	0.71
International	EEE	11	0.53
International	IT	6	0.64
International	CIVIL	27	0.16
International	CHEMICAL	1	3.02
International	BME	3	1.09
International	SCIHUM	27	2.50
View File			

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

Department	Number of Publication
Mechanical Engineering	8
Computer Science and Engineering	32
Electronics and Communication Engg	7
Electrical and Electronics Engg	11
Information Technology	12
Civil Engineering	11
Chemical Engineering	1
Biomedical Engineering	3
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Two Wheeler Towing Device on Rear Tyre Puncture	Published	306616	27/07/2018
Vibrate Sensing Ear for Earless	Published	2018410448	28/11/2018
Smart Robotic Medical Waste Segregator	Published	2019410139	17/05/2019
Maximum Power Extraction Using Innovative Algorithm for Solar Photovoltaic Systems	Published	2018410300	10/08/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: its logic gates behavior and live cell imaging	K. Sakthipandi	Sensors Actuators: B	2018	6.393	Sethu Institute of Technology	29
Schiff base receptor as fluorescence turnon sensor for Ni ²⁺ ions in live cells and logic gate application	K. Sakthipandi	New Journal of Chemistry	2018	3.066	Sethu Institute of Technology	16
Impact of alkali treatment on physico chemical, thermal, structural and tensile properties of Carica papaya bark fibers	SaravanaKumar, A, SenthilKumar, A, SaravanaKumar, SS Sanjay, MR	International Journal of Polymer Analysis and Characterization	2018	1.581	Sethu Institute of Technology	10
Structural, Electrical and Magnetic Properties of Ni _{1-x} La _x Fe ₂ O ₄ Nanof	K. Sakthipandi	Materials Chemistry and Physics	2018	2.877	Sethu Institute of Technology	8

errites						
Structural , Optical, Dielectric and Magnetic studies of Gadolinium added MnCu Nanoferrites	SenthilKumar, A , Rajesh Kanna, R, Nayagam Lenin, Rajesh Kanna, R S akthipandies	Journal of Magnetism and Magnetic Materials	2018	2.82	Sethu Institute of Technology	8
Ricinus communis fiber as potential reinforcement for lightweight polymer composites	Nijandhan, K, Muralikannan, R Srisaran Venkatachalam	Materials Research Express	2018	1.411	Sethu Institute of Technology	6
The external and internal influences for the tuning of the properties of perovskite materials: An overview	K. Sakthipandi	Ceramics International	2019	3.641	Sethu Institute of Technology	5
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: its logic gates behavior and live cell	K. Sakthipandi	Sensors Actuators: B	2018	170	29	Sethu Institute of Technology

imaging							
Schiff base receptor as fluorescence sensor for Ni ²⁺ ions in live cells and logic gate application	K. Sakthipandi	New Journal of Chemistry	2018	112	16	Sethu Institute of Technology	
Impact of alkali treatment on physico chemical, thermal, structural and tensile properties of Carica papaya bark fibers	SaravanaKumar, A, SenthilKumar, A, SaravanaKumar, SS Sanjay, MR	International Journal of Polymer Analysis and Characterization	2018	32	10	Sethu Institute of Technology	
Structural , Electrical and Magnetic Properties of Ni _{0.8} La _{0.2} Fe ₂ O ₄ Nanoferrites	K. Sakthipandi	Materials Chemistry and Physics	2018	132	8	Sethu Institute of Technology	
Structural , Optical, Dielectric and Magnetic studies of Gadolinium added MnCu Nanoferrites	SenthilKumar, A , Rajesh Kanna, R, Nayagam Lenin, Rajesh Kanna, R S Sakthipandi	Journal of Magnetism and Magnetic Materials	2018	153	8	Sethu Institute of Technology	
Ricinus communis fiber as potential reinforcement for lightweight polymer composites	Nijandhan, K, Muralikannan, R Srisaran Venkatachalam	Materials Research Express	2018	21	6	Sethu Institute of Technology	

The external and internal influences for the tuning of the properties of perovskite materials: An overview	K. Sakthipandi	Ceramics International	2019	89	5	Sethu Institute of Technology
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	254	96	0
Presented papers	41	45	0	0
Resource persons	1	13	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CSE	Website Deign	RR Constructions	7000
ECE	Energy Scavenging through Mechanical Factors	Student internship, IISER, Mohali	5000
IT	Online Trading Tips Application	Keldboom,Poland	12000
IT	Development of Online Air Quality Monitoring with IoT Big Data	Zebros Electronics India Pvt. Ltd, Chennai.	250000
CIVIL	Compressive Strength of Concrete Cubes	S.M.Projects, Pudukkottai.	8400
CIVIL	Compressive Strength of Concrete Cubes	Mahindra Mahindra Pvt Ltd, Madurai	10200
CIVIL	Compressive Strength of Concrete Cubes	Annai Associates Pvt Ltd, Madurai – 20	31800
CIVIL	Compressive Strength of	Ramco Cements Ltd, Madurai	450

	Concrete Cubes		
CIVIL	Compressive Strength of Concrete Cubes	Bondada Engineering Pvt Ltd, Madurai	1800
CIVIL	Compressive Strength of Concrete Cubes	Arawind Construction Pvt Ltd, Salem - 09	7200
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0
No file uploaded.				

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 participated in such activities	Number of students participated in such activities
Swachh Bharat Summer Internship 2018	National Service Scheme	1	40
Rally on 'Plastic Free Environment' held at Madurai	National Service Scheme	350	4500
Institution level PreRD camp 2018	National Service Scheme	4	200
Tree Plantation	National Service Scheme	50	400
University level PreRD selection camp at AU regional campus Coimbatore	National Service Scheme	1	8
Blood Donation Camp	National Service Scheme	13	20
One day special camp for EPIC card	National Service Scheme	4	10
AIDS awareness program	National Service Scheme	4	50
General orientation program	National Service Scheme	4	400
South Zone PRE - RD Republic Day parade Selection camp 2018	National Service Scheme	0	1
Swachh Bharat Activity	National Service Scheme	50	400
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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	Number of students Benefited
NSS	Best NSS Volunteer Award	Anna University NSS Cell	1
NSS	State Republic Day Parade 2019	Tamil nadu State NSS Cell	1
Blood Donation	Second Prize	Meenakshi Mission Hospital, Madurai	1
Rotaract Club	District Area Representative	Rotary club of Madurai North	1
Rotaract Club	District Award for Best Community Service	Rotary club of Madurai North	1
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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/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Gender Issue	Women Empowerment Cell	Workshop on "Building yourself as a brand"	18	150
Gender Issue	Women Empowerment Cell	Dear Final year	18	50
Gender Issue	Women Empowerment Cell	Self defense training program	18	150
Entrepreneurship	Women Empowerment Cell	Workshop on Entrepreneurship Development Program for Women	18	150
Competitions	Women Empowerment Cell	Womens Day Competitions 2019	18	200
Aids Awareness	Red Ribbon Club	AIDS awareness program	3	38
Swachh Bharat Activity	Rotaract Club	Swachh Bharat Activity in Department of CSE	5	50
Swachh Bharat india	NSS	Swachh Bharat Summer Internship 2018	1	40
Aids Awareness	NSS	AIDS awareness program	4	50

Swachh Bharat Activity	NSS	Swachh Bharat Activity in College Campus	50	400
Swachh Bharat Activity	ECO Club	Swachh Bharat Activity in ECE Department	2	50
Swachh Bharat Activity	ECO Club	Swachh Bharat Activity in Civil Block	2	38
Swachh Bharat Activity	ECO Club	Swachh Bharat Activity in Sports village	11	234
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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
Signing MoU with Multimedia University, Malaysia	Chairman of Sethu Institute of technology and Officials of Multimedia University, Malaysia	Nil	01
Signing MoU with Asian Institute of Medicine, Science and Technology, Malaysia	Chairman of Sethu Institute of technology and Officials of Asian Institute of Medicine, Science and Technology, Malaysia	Nil	01
No file uploaded.			

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	Duration To	Participant
Internship	Internship	Abserveitech Pvt Ltd, Madurai	09/08/2018	22/08/2018	"M. Gayathri A. Ajith kumar S. Arockia Stephen Raj S. Gomathi Anfiya Begum J. B. AnjanaDevi K. Abarna A. Ajith Kumar"

Internship	Internship	AimStorm, Madurai	11/08/2018	19/08/2018	Yuvameena Jo binChriston Raj V Ashish Babu
Internship	Internship	AMOGAA PRODUCTS PVT LTD, MADURAI	04/06/2018	22/06/2018	B NIVETHA P.MANIRAJ L RAKSHANA A RANI R MANIMARAN
Internship	Internship	AMOGAA PRODUCTS PVT LTD, MADURAI	04/08/2018	18/08/2018	I MOHAMED ASIQ
Internship	Internship	APOLLO HOSPITALS, Madurai	01/08/2018	18/08/2018	A ANGELINE THELMA
Internship	Internship	Appin Technology Lab	06/08/2018	24/08/2018	E. Jersha Shirley
Internship	Internship	BSNL, Madurai	11/06/2018	23/06/2018	K. Sharmila S. Aishwarya Lakshmi M. Muthurasi P. Shirline Kiruba
Internship	Internship	Chrome Software Solutions	22/09/2018	31/12/2018	R.ManojSunda r V. RaajMadhan Kumar K. Varadharajan Pillai Bhavani Uma Devi Thangavel B.Saranya T.Pradeep R.Raghuram P.Jegan Raj B.R.Kishore Kumar
Internship	Internship	Cream Line Diary Products	28/07/2018	14/08/2018	R.Sriraksha
Internship	Internship	Crystal Delta Solution	17/09/2018	13/10/2018	M.Subashini M. Parvathy

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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/Activities	Number of students/teachers participated under MoUs
Imperial Society of	12/09/2018	Short term	100

Innovative Engineers, Noida, Uttrapradesh		Training, Internship, Project Work	
Digitall	13/10/2018	Gained knowledge on recent technologies	60
Expert Hub	23/10/2018	Gained Knowledge on different software solutions	60
Imperial Society of Innovative Engineers (ISIE)	11/09/2018	Training, Project	0
Redhat Academy	26/11/2018	Certification, Training, Guest Lecture	0
Litz Tech	05/12/2018	Gained knowledge on Project Management and teamwork.	0
Biovision medical system, Chennai	30/10/2018	Student internship In plant training Project consultancy	0
AVN Arokya Ayurvedic Hospital	27/03/2019	Student internship In plant training Project consultancy	0
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1200	990.3

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

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	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	58181	16875895	448	215565	58629	17091460
Reference Books	1073	2101025	0	0	1073	2101025
e-Books	300	30000	0	0	300	30000
Journals	130	105984	9	52718	139	158702
e-Journals	0	0	488	1352030	488	1352030
Library Automation	1	36300	0	0	1	36300
Others (specify)	887	198517	0	0	887	198517
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.C.Kailasanathan	Introduction to Finite Element Analysis (Video)	www.youtube.com/user/sethimedia/videos	01/03/2019
Mr.Meenatchisundaram	Operation Research (Video)	www.youtube.com/user/sethimedia/videos	01/03/2019
Dr.Muthusamy	Laws of Engineering Thermodynamics (Video)	www.youtube.com/user/sethimedia/videos	01/03/2019
Dr.C.CALLINS CHRISTIYANA	AUTOMATA THEORY	ELUCIDAT	17/06/2019
Mr.N.ALANGUDI BALAJI	PROGRAMMING LANGUAGES	SNAP OF LECTORA	16/05/2019
Mr.K.SATHISH KUMAR	CRYPTOGRAPHY	EASY GENERATOR	08/05/2019
Mr.G.VAIRA SUGANTHI	NORMALIZATION	SCREEN CAPTURER	24/05/2019
Mr.B.SIVANANTHAN	INTERNET STORAGE MANAGEMENT	KAHOOT	05/06/2019
Dr.R.M.Sasiraja Dr.s.Vijayarajan Mr.Karthikeyan	Electric Energy Utilization	Google Classroom	30/06/2018
Mr.Pal pandian	Applied Soft computing	Google Classroom	26/06/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1280	0	240	0	120	32	1109	240	19
Added	80	0	100	0	0	4	76	100	0
Total	1360	0	340	0	120	36	1185	340	19

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

340 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
SIT Media Centre	http://www.youtube.com/user/sethumedia/videos
Screen o Matic Software	https://screencast-o-matic.com/

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
50	45.31	220	203.55

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. The Convener and the Coconvener of the Maintenance Committee of SIT will occupy the similar positions of the

Maintenance Cell too. The Coconveners will have a set of maintenance teams each for the works assigned to them. The Coconveners shall report to the Convener who in turn will report to the Principal of SIT.

<https://sethu.ac.in/maintenance-policy/>

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	605	14950270
Financial Support from Other Sources			
a) National	BC/MBC/DNC / SC/ST/SCC/SCA	1683	8681950
b) International	NIL	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	03/07/2018	1207	Six Phrase, Innate
Language lab	03/07/2018	1167	Centre for Communication and Soft Skill, S.I.T
Bridge Course	18/06/2018	885	First Year Subjects Handling Faculty of S.I.T
Bridge Course	16/08/2018	68	First Year Subjects Handling Faculty of S.I.T
Yoga	25/10/2018	885	Dr.S.Syed Sheriff, ABBAS Clinic, Madurai
Personal Counselling and Mentoring	25/06/2018	306	Counselling on Need basis by Professional Counsellor available at the campus.
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passed in the comp. exam	Number of students placed

			activities		
2018	Career Guidance Cell	243	86	2	2
2019	Career Guidance Cell	219	43	1	1
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
23	23	9

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
59 Companies	789	713	52 Companies	789	143
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	2	B.E.	MECH	S Vellaichamy Nadar College	MBA
2018	1	B.E.	MECH	Thiagarajar College of Engineering	ME Industrial Engineering
2018	1	B.E.	MECH	Madurai Kamaraj University	MBA (Human Resource Management)
2018	1	B.E.	MECH	Singapore University of Technology and Design, Singapore	Junior Research Fellow
2018	1	B.E.	CSE	Illinois Institute of Technology	Master of Computer Science
2018	1	B.E.	CSE	Thiagarajar College of Engineering	M.E

2018	1	B.E.	CSE	BSA Abdur Rahman University	MBA
2018	1	B.E.	CSE	Alagappa university (Alagappa Institute of Management)	MBA
2018	1	B.E.	CSE	The Gandhigram Rural Institute	M.TECH.
2018	1	B.E.	CSE	RL INSTITUTE OF MANAGMNET STUDIES	MBA
2018	6	B.E.	CSE	Sethu Institute of Technology	M.E.

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	1
Any Other	2

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

Activity	Level	Number of Participants
University Level KhoKho Tournament	Zone17 Anna University	120
International Womens Day Cultural Competitions	Institution	300
University Level Hockey Tournament	Zone17 Anna University	120

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	III Place in the 10th Senior National Langadi Ch ampionship , Nellore,	National	1	0	15EC075	P.Ganesh Ramar

	Andhra Pradesh.					
2019	I Place in the Senior National Hockey	National	1	0	16CE160	K.Ajay Maruthayagam
2019	Bronze in IRRATAI SURUL VAL in the National Silambam Championship	National	1	0	16EC073	V.NARESH
2019	Bronze in kambhusandai in the National Silambam Championship	National	1	0	16EC073	V.NARESH
2018	Merit Appreciation-1st Asia Silambam Tournament, Malaysia	International	1	0	16EC073	V.NARESH

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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 incharge of the departments. 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 decisionmaking and leadership. The details of the activities are given below. 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. National Service Scheme: 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... 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. Fine Arts Association: The student representatives of the Fine Arts Association organize extracurricular 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.

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.

Canteen: The college canteen also has the student representatives to give suggestions about the quality and cleanliness of the canteen. Antiragging

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. **Library Committee:** The library committee has student representatives and they provide suggestions on the functioning of the library, library timings and additional books needed.

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. Student

Welfare Committee: The student representatives of the suggestion committee provide suggestions on various issues of the college including curricular, cocurricular, extracurricular and support services.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The College has a vibrant Alumni Association. The Association has UAE Chapter, 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 every year. 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: 1. Acting as members in the Board of Studies, Academic Council, Internal Quality Assurance Cell, Recognized Professional Bodies and Quality Circle etc. 2. Getting permission for industrial visits in their organization. 3. Coordinating for signing MoU with companies where the alumni are working. 4. Delivering Guest lectures to the students 5. Motivating the students on the current industrial expectations. 6. Each department separately conducts meetings with their alumni members. 7. Organizing on campus off campus placement programs for the students with the coordination of alumni. 8. PADIKKATTUGAL (STEPS) is one of the examples for alumni social responsibility, started by an alumnus M. Kishore, ICE department, 200812 batch. This is a nonprofit trust which renders its service to orphanages, old age homes etc. with the support of alumni and public.

5.4.2 – No. of registered Alumni:

13462

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

SIT Alumni UAE Chapter was inaugurated at Dubai on 30th November 2018 and 89 alumni participated with their family members in this meet. SIT Alumni Chennai Chapter was inaugurated at Chennai on 3rd March 2019 and 284 alumni

participated with their family members in this meet. Mechanical 2001 passed out batch Alumni meet was held on 11th January 2019 at Mechanical Engineering department and 20 alumni participated. CSE 2015 passed out batch Alumni meet was held on 12th January 2019 at Mechanical Engineering department and 50 alumni participated. Mr.Nagaraj, MECH Alumni of 2006 Batch, Senior Manager RD, Mahindra, Chennai visited MECH Department on 27.10.2018 and provided fruitful Suggestions for R2019 Curriculum and Syllabus. He also assisted in signing MoU with Pro torque Auto Labs, Mahindra. Mr. Shaffic Ahamed, CSE Alumni of 2001 batch, working as Sandvik Vice President / Country Manager IT, India and CII Convenor IT ITes Pune visited our Institution on 29.10.2018 and provided the admirable suggestions to uplift the brand name of Sethu Institute of Technology during the Faculty interaction. Mr.N.Chella Pandian, IT Alumni of 2012 batch, Managing Director, Mind Readers Software, Virudhunagar provided assistance in signing MoU for Internship Training Program with Expert Hub on 24.10.2018 Mr.C.Pandiarajan, IT Alumni of 2017 batch, CEO, Aim Storm Software Solutions contributed towards recruiting our III year and IV year IT Students for internship on 27.07.2018 Ms.Janani, CSE Alumni of 2016 batch, contributed for organizing an On Campus Placement program for M/s BUDDI Health Company on 12.09.2018 and two Students got placed in that company Dr. U.Mehraj Ali, M.Sc. Software Engineering Alumni of 2010 batch, Production Manager, Kloud One Inc., Chennai delivered PrePlacement Talk towards M/s Kloud One Careers placement at our College Premises on 03.11.2018 SIT Alumni UAE Chapter President Mr.M.R.Senthil (ICE, 199599 batch) who visited our campus with his team and share his valuable suggestions towards 25th year celebration of our Institution in the forthcoming months Alumni from various batches visited our campus and delivered 30 Guest Lectures and Motivational Talks for the benefit of the students

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 practiced 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 forum and contribute to the decision making. Participatory Management System for academic and administrative activities: • Governing Council • Staff Council • Department Faculty Meeting • Class Committee Meeting Participatory Management System for curriculum designing: • Academic Council • Board of Studies • Curriculum Planning and Evaluation Committee • Department Advisory Board • Program Assessment Committee Participatory Management System for Quality Assurance: • Internal Quality Assurance Cell Participatory Management System for general activities: • Student Welfare Committee • 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,

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The policies regarding admission, fee structure, teacher qualification and salary are as per the norms of AICTE / DOTE Chennai. Being a selffinancing 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 through College Website, Brochures, Newspapers, Television, FM Radio and Educational Exhibitions.
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 17082012 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. AICTE Model Curriculum is implemented from the academic year 20192020

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 teachinglearning process. These innovative methods enhance the level of understanding and learning potential of the students. Studentcentric learning is characterized by innovative teaching methods in which students are active participants. It aims at fostering transferable skills such as problemsolving, critical thinking and reflective thinking through communication with teachers and fellow students.

Examination and Evaluation

Bloom's Taxonomy is followed in setting the question papers for all examinations to evaluate the students at different cognitive levels. The Blooms 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, Blooms Taxonomy level and the Course Outcome coverage.

Research and Development

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.

Library, ICT and Physical Infrastructure / Instrumentation

Library is an important place that supports the institutions program of study and research. Ejournals 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. NRI Hostels were built and new laboratories were established for the Departments that were recently established as given below: Department of Chemical Engineering • Chemical Reaction Engineering Lab • Computer Lab Department of Bio Medical Engineering • Diagnostic and Therapeutic Laboratory • Microprocessor and Microcontroller Laboratory Department of Agriculture Engineering 1. Plant Protection and Harvesting Equipments Laboratory

Human Resource Management

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 by duly constituted committees. 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

Industry Interaction / Collaboration

- The College has Industry Institute Interaction Cell (III Cell) with financial assistance from the Institution. 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. More than 60 MOUs are signed with various industries for academic and research interactions. It assists students acquire practical knowledge by giving them industry exposure and training. It organizes frequent Industrial visits for the faculty and students to promote students involvement in industryoriented projects.

E-governance area	Details
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 email 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.
Administration	The following modules of ERMS are implemented for the general Administration of the College. • Student and Staff Profile • Staff Attendance • Student Attendance • Disciplinary Management System • Grievance Management System • Student Portal • Staff Portal
Finance and Accounts	eGovernance is partially implemented in Finance and Accounts section of the ERMS software. The modules implemented are: • Admission and Fee Manager • Fees Payment and Counter • Finance • HR and Payroll
Student Admission and Support	The modules used for Student Admission and Support are: • Student Application • Roll No. Generation • Admission Quota • Fees Assignment based on the Category
Examination	PreExamination Process: • Student Exam Application Regular, Arrear and Revaluation • Exam Fee Collection, Examination TimeTable Hall Ticket Generation • Examination Attendance Generation • Conducting Examination Process: • Checklist Generation Flip and Foil Cover Generation • Attendance Verification Despatch Generation Post Examination • Practical Mark Entry • Dummy Number Generation Bundle Number Generation • Examination Mark Entry Galley Generation • Result Passing • Grade Sheet Generation Consolidated Grade Sheet Generation • Award of Degree Report Generation

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr.B.Muthu Chozharajan	Workshop programme STTP on Composite Structure, Mepco Engineering College, Sivakasi	NIL	1500
2018	Mr.A.Saravana Kumar	Workshop programme STTP on Composite Structure , Mepco Engineering College, Sivakasi	NIL	1500
2018	Ms.K.Elavarasi	International Conference on Innovtions in Engineering and Industrial Application 2018, K.L.N College of Engineering, Madurai	NIL	1500
2018	Ms.V.Vaishnavi	International Conference on Innovtions in Engineering and Industrial Application 2018, K.L.N College of Engineering, Madurai	NIL	1500
2018	Ms.R.Sumitha	Workshop on enabling High Performance Computing in cloud, Thiyagarajar College of Engineering, Madurai	NIL	1000
2018	Ms.C.Parameswar i	Workshop programme in Deep using AI, K.L.N College	NIL	1200

		of Engineering, Madurai		
2018	Ms.M.M.Yamunadevi	Workshop programme in Deep using AI, K.L.N College of Engineering, Madurai	NIL	1200
2018	Ms.K.Krishnaveni	Workshop programme in Deep using AI, K.L.N College of Engineering, Madurai	NIL	1200
2018	Dr.A.Senthilkumar	PFMS Workshop Registration Fee, V.H.N.S.N College, Virudhunagar	NIL	2250
2018	Mr.S.K.A Ahamed kandu sahib	Sem and tem basics and applications, Anna university, Chennai	NIL	2000
2018	Dr.R.Meena Prakash	FDP on Antenna Design and Training Programme, Mepco Engineering College, Sivakasi	NIL	1200
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Project Management Tool Training using Primavera P6.R16.2		23/07/2018	23/07/2018	13	0
2018	Train the Trainer Workshop on Data Vi		25/07/2018	25/07/2018	2	0

	sualization					
2018	Embedded system its design		28/09/2018	28/09/2018	35	0
2018	Effective usage of Power Quality Analyzer		27/10/2018	27/10/2018	35	0
2018	Two days Workshop on Intellectual Property Rights		08/11/2018	09/11/2019	11	0
2018	Five Days Hands on FDP on Machine learning Using Python		26/11/2018	30/11/2018	26	0
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Advance Energy Engineering And Technology	1	02/06/2018	06/06/2018	5
Design of Machine Elements	2	06/06/2018	12/06/2018	7
Writing Research Papers	2	29/06/2018	30/06/2018	2
Faculty Development Programme on Advanced Concrete Technology (NPTELAICTE Online Course)	5	01/07/2018	31/10/2018	14
Faculty Development Programme on Wastewater Treatment and Recycling	2	01/07/2018	31/10/2018	14

FDP on Introduction to smart grids (NPTELAICTE Online Course)	3	01/07/2018	31/10/2018	14
Research Challenges in Terahertz wave Technology	29	12/07/2018	13/07/2018	2
ICMR Sponsored Two days National level Workshop on Artificial Intelligent Techniques and its Application in Medical Diagnosis	1	13/07/2018	14/07/2018	2
VLSI Design for Wireless Communication	25	19/07/2018	20/07/2018	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
339	339	145	145

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Allowance for Ph.D., Incentives for research publications, sponsored projects and consultancy works, Free transport facility, Group Insurance, Maternity leave, Medical leave	Group Insurance, Maternity leave, Medical leave, Free transport facility	Tamil Nadu Government fee waiver scheme for first graduates, SC / ST Scholarship, Backward classes and minorities welfare scholarship

6.4 – Financial Management and Resource Mobilization

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/ Grnats received in Rs.	Purpose
NIL	0	NIL
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6.4.3 – Total corpus fund generated

10000

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 Peer Team Audit Committee	Yes	Internal Academic Audit Committee
Administrative	No		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 conducted in the department every semester. Various matters are discussed in the meeting such as, Academic Plan, Academic Progress of students, Cocurricular activities, Autonomous Process and Student welfare. The Department Advisory Boards of all Departments have Parent Nominees in which parents are actively participating for the overall improvement of the programme. The parents also give feedback about the Institution and the Department to the experts of Accreditation Committees during the Expert Team Visit.

6.5.3 – Development programmes for support staff (at least three)

Workshop On Software Installation And Hardware Maintenance conducted on 31.08.2018
Workshop on Network And System Assembling organized on 31.01.2019
Android Installation workshop conducted on 27.05.2019

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

The College takes sincere efforts for continuous improvement in all areas. The Internal Quality Assurance Cell coordinates various quality related activities of the Institution. Regular meetings of Internal Quality Assurance Cell are conducted once in a quarter to review and implement quality culture in the Institution. The dates in which IQAC meetings conducted for the academic year 20182019 are 14.08.2018, .23.11.2018, 18.02.2019 and 10.05.2019. The Internal Quality Assurance Cell actively involves in developing quality benchmarks of the Institute through strategic planning to achieve the vision of the Institute. The Strategic Plan (2016 – 2020) is derived from the Vision and the Mission of the College. The Strategic Plan stipulates the goals and objectives for the plan period. It helps to achieve the Vision and Mission of the College through its goals and objectives. It also specifies various strategies to be adopted to achieve the goals and objectives of the plan. The targets to be achieved through these strategies are also mentioned in the plan. The Planning and Evaluation Committee reviews the targets to be achieved for each academic year. The IQAC Cells monitors the achievement of these targets periodically. The Institution is keen on ensuring Quality of the Institution and Department through Accreditation by NAAC and NBA. The IQAC acts as a nodal agency for coordinating the activities for the preparation of Self Assessment Report of NBA Accreditation and Self Study Report of NAAC Accreditation. In the Academic year 20182019 two U.G. programmes B.E., Mechanical Engineering and B.Tech. Information Technology submitted Self Assessment Report to NBA under Tier I, Washington Accord in January 2019. The NBA Expert Team Visit of these programmes was conducted in November 2019 and the Programmes got Accredited for

Three Years.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Strategic Plan: Achievements of targets for 20172018 and Fixing targets for 20182019	17/07/2018	17/07/2018	17/07/2018	5
2018	IQAC Meeting 8	14/08/2018	14/08/2018	14/08/2018	24
2018	Academic Audit	15/09/2018	15/09/2018	19/09/2018	321
2018	Presentation on "Curriculum Gap, Process for PO CO attainment and Course Outcomes for Mandatory courses, Project Work other Special Courses"	17/10/2018	17/10/2018	17/10/2018	50
2018	Presentation on "Processes in NBA SAR and Best Practices for AQAR preparation"	31/10/2018	31/10/2018	31/10/2018	44
2018	Presentation on Consolidated CO Attainment by MECH IT Programmes	14/11/2018	14/11/2018	14/11/2018	44
2018	IQAC Meeting	23/11/2018	23/11/2018	23/11/2018	25

	9				
2019	Guest lecture on Outcome based Education by Mr.S.Deivasi gamani, Deputy Dean, Faculty of Electrical Engineering, AIMST University, Malaysia	22/01/2019	22/01/2019	22/01/2019	31
2019	Review of Achievements of targets of Strategic Plan 20162020 for 20182019	23/01/2019	23/01/2019	23/01/2019	5
2019	External Peer Team Audit	16/02/2019	16/02/2019	16/02/2019	321
2019	IQAC Meeting 10	18/02/2019	18/02/2019	18/02/2019	33
2019	IQAC Meeting 11	10/05/2019	10/05/2019	10/05/2019	15
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Workshop on “Building yourself as a brand”	17/10/2018	17/10/2018	150	0
Dear Final year	15/10/2018	16/10/2018	50	0
Self defence training program	31/01/2019	31/01/2019	150	0
Workshop on Entrepreneurship Development Program for Women	23/01/2019	23/01/2019	150	0

Women's Day Competitions - 2019	11/02/2019	11/02/2019	200	0
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7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>Sethu Institute of Technology has initiated to develop "Green Energy", by installing 25KW 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.27.91 Lakhs and remaining amount Rs.18.84 Lakhs funded by MNRE (Ministry of new and Renewable Energy) through TEDA (Tamil nadu Energy Development Agency). Sethu Institute of Technology has installed another 25K W offgrid 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 18KW offgrid 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.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	01/07/201	31	Special	Swachh	40

			8		Camp 2018	Bharat Summer Internship 2018 At Arsankulam Kalkurichi Panchayat	
2018	1	1	11/07/2018	1	Rally	'Plastic Free Environment' held at Madurai	2000
2018	1	1	16/10/2018	1	Blood Donation Camp phase1	Meenakshi Mission Hospital, Madurai and GH Virudhunagar	388
2018	1	1	16/10/2018	1	One day special camp	EPIC card	50
2018	1	1	16/10/2018	1	AIDS Awareness program	AIDS Awareness at Medical officer Govt Hospital Virudhunagar	70
2019	1	1	11/02/2019	1	Blood Donation Camp phase2	Meenakshi Mission Hospital, Madurai GH	233
2019	1	1	16/02/2019	1	General Medical camp	Meenakshi Mission Hospital	110

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Hand Book	25/06/2018	CBCS Regulations, College rules and Regulations, All Club details, Faculty Details, Placement Details
Antiragging Committee	25/06/2018	Antiragging committee has been formed as per the guidelines of the University Grants Commission. The AntiRagging squad

		conducts surprise checks at vulnerable places and hostels. The College obtains undertaking from students and parents on antiragging.
Girls Grievance Redressal Cell	10/07/2018	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.
Vishakha Committee	28/01/2019	The committee will admit complaints from ? Female employees on harassment and discrimination in the workplace. ? Female students on harassment and discrimination in the classroom and in relation to academic activities by faculty and staff

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Self Defence Training Program	31/01/2019	31/01/2019	150
Workshop on Entrepreneurship Development Program for Women	23/01/2019	23/01/2019	150
Rally on 'Plastic Free Environment' held at Madurai	11/07/2018	11/07/2018	2000
Tree Plantation	11/10/2018	24/10/2018	2500
Blood Donation Camp	16/10/2018	16/10/2018	388
Blood Donation Camp	11/02/2019	11/02/2019	233
Event on "Young	29/07/2018	29/07/2018	50

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

About 50 trees were planted around the civil department with the help ECO Club Volunteers on 04/10/2018. Tree Plantation Programme in association with officials of Lions Club, Madurai was organized by NSS on 11.10.2018. Lions Club, Madurai offered 2500 saplings to our institution for this programme. Campus cleaning camp was organized by ECO Club from 17.07.18 to 18.07.18 to clean the ECE Department Garden. Campus cleaning camp was organized by NSS from 30.10.18 to 07.11.18 to clean the Sports Village. Cleaning and Learning Resource arrangements Camp was arranged by Rotaract Club at CSE department on 22.02.2019.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice No. 1: Title of the Practice: Industry Designed courses : The College promotes Industry Institute Collaboration and one of the objectives is to design Industry related courses. Industries are requested to design courses which will be useful to the students for the skill development and the employability. Eminent persons from industry participate in the Department Advisory Boards, Board of Studies and Academic Council and they offer their suggestions to enhance the quality of the curriculum. Industrial designed courses are offered to the students enable them to develop the skills required for the industry. The courses are intended to provide hands on training in identification of low cost solutions to complex engineering problems of the industry. The courses and syllabi are designed by industrial experts to enable students to resolve the bottlenecks faced in the diverse fields of engineering and technology. These courses are tailor made for the students in finding innovative and feasible technological solutions to solve complex engineering problems that are encountered on daily basis in an industry. The industrial design courses test and challenge the student's capability in varied areas and widening his or her vision as an engineer. The students who undergo the courses combine engineering technology and business to invent products that are more efficient than conventional gadgets or software, creating their own niche among fellow engineering students across the nation. These custom made courses recommended by the industrial experts make way for the students to get easily employed in the same industry. The industry designed courses in which the students registered for these courses are Solar Energy, Work Study, CNC Programming, Smart Materials, Basics in Refrigeration and Air Conditioning, etc... Mechanical Engineering: 15UME863 Solar Energy Solariz Regen Technologies Pvt. Ltd. Kovilpatti 15UME866 - Work Study Hi Tech Arai Pvt Ltd , Madurai 15UME862 CNC Programming 3D Makers CADD Academy, Madurai 15UME861 - Smart Materials SingaiCoirs Private Ltd , Singampunari 15UME864 - Basics in Refrigeration and Air Conditioning HVAC Projects, Madurai 15UME865 Jigs and Fixtures AnuPolycraft, Madurai Computer Science Engineering: 15UCS862 - Multimedia Macnus Solutions, Coimbatore 15UCS863 Python Programming IQuanti India Pvt Ltd, Bangaluru 15UCS866R Programming GADS Software Education Pvt.Ltd, Madurai Electronics and Communication Engineering: 15UEC915 Internet of Things Amogaa Products Pvt. Ltd., Madurai 15UEC861 PIC Embedded Programming CADD Academy, Madurai 15UEC862 PCB Design CADD Academy, Madurai 15UEC863 Programming in PYTHON Silicon Software Services, Madurai 15UEC864 - ANDROID ICTACT, Madurai Electrical and Electronics Engineering 15UEE861 Wind Farm Development and Operation National Institute of Wind Energy, Chennai 15UEE867 Energy Storage System Solaritz Regen Technologies Pvt. Ltd, Kovilpatti 15UEE865 Industrial Safety Measures Udhaya Semiconductors Limited, Coimbatore Information

Technology 15UIT924 Agile Software Development Infosys 15UIT910 Building Enterprises Applications - Infosys 15UCS702 Insight into cloud Computing - Infosys 15UCS501 Internet Web Technology - Infosys 15UIT911 Software Testing - Infosys 15UIT930 Programming with Python - Infosys 15UIT602 Mobile Applications Development Infosys 15UIT863 Web Programming with PHP KV Infotech Civil Engineering 15UCE861 Green Building Concepts Seba Consultancy, Madurai 15UCE638 Water Conservation Techniques M/s Balaji and Associates, Madurai 15UCE865 Construction Safety Arelgee Consultants, Madurai 15UCE872 Special Concretes Seba Consultancy, Madurai Chemical Engineering 15UCH862 Simulation on Process Fundamentals SimInfo Systems Pvt. Ltd, Chennai 15UCH861 MATLAB for Chemical Engineering Galwin Technologies Trichy 15UCH 871 Membrane Technology Tetrra Maxx Engineering Services Biomedical Engineering 15UBM867 Medical Science KPI Healthcare 15UBM861 Introduction to MATLAB Galwin Technologies Trichy 15UBM865 Medical Coding AMRU Heathcare Trichy Agriculture Engineering 15UAG862 Mushroom Cultivation (One Credit) Dr Mohan Mushroom Pvt. Ltd., Madurai 15UAG974 Organic Farming Technology Virudhai millets Pvt. Ltd., Best Practice

No. 2: Title of the Practice: Innovative Teaching Methodology: The teacher needs to convey ideas in an effective manner so as to have a lasting impression in the minds of the students. It is a Himalayan task for any teacher to capture each student's attention in a lecture. To tackle this challenge, a teacher needs to employ innovative ideas to make the classroom experience intriguing for the students. The faculty employs innovative teaching methods like visual exercises that are intended towards stimulating young minds and captivating their interest. It is the responsibility of the teacher to identify every student's creative ability and encourage their creative contributions in the classrooms, through active and innovative learning. The faculty incorporates audiovisual materials to supplement textbooks during the classroom sessions.

Some of the teaching aids used to kindle the interests of the students are models, demonstration videos of instruments, pictures, mind mapping and brain mapping tools. Incorporating such tools will assist their imagination, letting it thrive and grow. These methods aid in developing their ability to listen and also help them understand the scientific and engineering concepts better. Demonstrating and relating to real world situations will make the students easy to understand and learn. It will spark their interest and enrich classroom learning. Teaching through roleplaying is a great way to make budding engineers step out of their comfort zone and hone their interpersonal skills. The role playing approach helps a student understand how the academic material will be relevant to his or her everyday tasks. Some concepts are best learnt, when they are taught outside of the classroom. Organizing field trips that are relevant to the lecture, will excite the students to learn the concepts. Without striving hard to learn, they learn and remember the concepts in science and engineering easily. Hence, most of the faculty members use innovative teaching method to capture the attention of the students. The commonly practiced methods are Mind Mapping, ZA Technique, Real World Examples, Technical Quiz, Model Based Teaching, Think Pair Share, Visualizations, Video Lectures, Flipped Class Room, Collaborative Learning, Industrial Visit, Mini Project, Project Based Learning, Case Study and Simulation

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

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

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Sensitizing Students on Social Issues for Holistic Development through Extension Activities: The vision of the college is to promote excellence in

technical education and scientific research for the benefit of the society. The

College takes efforts to make students and faculty to be aware of their responsibilities towards the societal issues. Our institute has Rotaract Club, NSS, ECO Club, YRC Photo, Red Ribbon club and Women Empowerment Cell. The college also established Initiative Club in January 2019 for the benefit of students. 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. The College has been selected as one of the Institutes to participate in UNNAT BHARAT ABHIYAAN (UBA), a flagship programme under MHRD, Govt. of India. The objective of this programme is to motivate and engage the reputed higher educational institutes to work for rural areas. The selected institute is expected to customize the available technology or develop new technologies as per the local needs and also to improve the implementation of existing Government programmes. The selected villages under UBA programme are: Aviyoor, Kambikudi, Kariapatti, Thonugal and Kalkurichi. The students visit hospitals, villages, destitute homes and orphanages and offer fruitful services to them.

Our NSS student was selected for Republic day Parade and it inculcated patriotism among the students. The students actively participated in Swachh Bharat Initiatives in villages, Voter awareness rally, save electricity campaign etc. The students register the course Personality and Social Development, an activity based course with much enthusiasm and do active service to the society. In summary, the students realize their social responsibility and the College provides ample opportunity to the students to serve the society to fulfill the Vision of the College. Holistic Development of Students through Extension activities: The Collegeneighborhood 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. 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. The students learn to protect the environment through tree planting, and removal of plastic waste from the villages. The College is committed to bring the students as socially responsible citizens and make them to contribute to the society.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

To get NBA Accreditation for the UG Programmes of CSE, ECE and EEE. To receive National Award for Innovation. To implement AICTE Model Curriculum. To implement eGovernance in faculty support aspect. To arrange for faculty/student program in International Universities. To identify problems in the nearby industries and offer solutions. To offer technical solution to the adopted villages.

ANNEXURE

ANNEXURE - CONTENTS

Criterion	Qn. No.	Particulars
Profile	7	Quality Initiatives for Promoting Quality Culture
Profile	9	Members of IQAC 2018-19
Profile	10	Minutes of IQAC meetings & Action Taken Reports
I	1.1.2	Programmes/courses focussed on employability/entrepreneurship/skill development
I	1.2.1	New programmes/courses introduced
II	2.4.2	Honours and recognition received by teachers
II	2.7.1	Student Satisfaction Survey (SSS) on overall institutional performance
III	3.1.1	Seed money to the teachers for research
III	3.3.1	Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices
III	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
III	3.4.6	h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)
III	3.6.1	Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/YRC
III	3.7.2	Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc.
IV	4.2.3	E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS)

V	5.2.2	Student progression to higher education in percentage
VI	6.3.1	Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies
VI	6.3.2	Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff
VI	6.3.3	No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes

Profile: 7. Quality Initiatives for Promoting Quality Culture:

S.No.	Item/Title of the quality initiative by IQAC	Date	Duration	Number of participants / beneficiaries
1	Strategic Plan: Achievements of targets for 2017-2018 and Fixing targets for 2018-2019	17.07.2018	One Day	5
2	IQAC Meeting 8	14.08.2018	One Day	24
3	Academic Audit	15.09.2018 18.09.2018 19.09.2018	Three Days	321
4	Presentation on "Curriculum Gap, Process for PO & CO attainment and Course Outcomes for Mandatory courses, Project Work & other Special Courses"	17.10.2018	One Day	50
5	Presentation on "Processes in NBA SAR and Best Practices for AQAR preparation"	31.10.2018	One Day	44
6	Presentation on Consolidated CO Attainment by MECH & IT Programmes	14.11.2018	One Day	44
7	IQAC Meeting 9	23.11.2018	One Day	25
8	Guest lecture on "Outcome based Education" by Mr.S.Deivasigamani, Deputy Dean, Faculty of Electrical Engineering, AIMST University, Malaysia	22.01.2019	One Day	31
9	Review of Achievements of targets of Strategic Plan 2016-2020 for 2018-2019	23.01.2019	One Day	5
10	External Peer Team Audit	16.02.2019	One Day	321
11	IQAC Meeting 10	18.02.2019	One Day	33
12	IQAC Meeting 11	10.05.2019	One Day	15

Profile: 9 - Members of IQAC 2018-19

SETHU INSTITUTE OF TECHNOLOGY

Pulloor - 626 115, Kariapatti Taluk

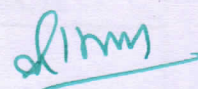
INTERNAL QUALITY ASSURANCE CELL

Members of IQAC for the Academic Year 2018-19

S.No.	Position	Members
1	Chairperson	1 Dr. A. Senthil Kumar Principal
2	Management Representative	2 Dr. G.D. Sivakumar Vice Principal & HoD - MECH
3	Faculty Members	3 Dr.M.Ramakrishnan Dean - Innovation
4		4 Dr.R.Murali Kannan Controller of Examinations
5		5 Dr.C.Callins Christiyana HoD-CSE
6		6 Prof. Helina Rajini Suresh HoD-ECE
7		7 Dr.A.Srinivasan HoD-EEE
8		8 Dr.S.Sivaranjani HoD-IT
9		9 Dr.R.Kumudha HoD-CIVIL
10		10 Dr.C.Marimuthu HoD-CHEMICAL
11		11 Dr.K.Hemalatha Dean - Academics & HoD-BME
12		12 Dr.V.Dharmaraj HoD-AGRI
13		13 Dr.P.G.Jansi Rani Dean - S&H
14		14 Mr.R.Ramesh Kannan Asst. Prof. - Physics
15		15 Mr.Sheik Mydeen Asst. Prof. - Chemistry

S.No.	Position	Members
16	Faculty Members	16 Mr.S.M.Raja Sangar Asst. Prof. - English
17		17 Dr.S. Mothilal PG-Head - M.E.CAD/CAM
18		18 Dr.S.Nagalakshmi PG-Head - M.E.PED
19		19 Dr.K.Vijai PG-Head - M.E.Structural Engg.
20		20 Dr.S.Sridevi Dean TPC
21		21 Dr.T.Guru Baskar Prof./GE
22		22 Mr.R.Rajaguru Assoc.Prof./CSE
23		23 Mr.T.Harish Babu Asst.Prof./EEE
24	Student Members	24 Selvan. M.Velvignesh, Third Year , MECH
25		25 Selvan. G.Sohail, Third Year, CSE
26		26 Selvi. C.Merline Rozario, Third Year, ECE
27		27 Selvan. M.Ponrajeshkumar, Third Year, Civil
28	Alumni Members	28 Mr.S.J.Pradeep Proprietor, Techno Fusion, Engineering Consultant & Contractor, Aruppukottai.
29		29 Ms.T.Rajathi, Techno Functional Business Analyst, Solartis Technology Pvt. Ltd. Madurai.,
30	Employer/Industrialist	30 Mr. G.Rajamurthy, Director, Singai Coirs Cluster Pvt. Ltd., Singampunari, Sivagangai District.

S.No.	Position	Members
31	Community Representative	31 Mr. M. Kumaran Managing Director, Unique Industrial Automation Pvt. Ltd., Madurai
32	Administrative Officer	32 Mr.K.Muthukumaran Administrative Officer
33	Co-ordinator	33 Dr. A. Merline Dean – Planning & Development, ECE Dept.



PRINCIPAL

Dr. A. Senthil Kumar, M.E., Ph.D.,
PRINCIPAL

SETHU INSTITUTE OF TECHNOLOGY

PULLOOR, KARIAPATTI - 626 115
VIRUDHUNAGAR (Dt)



Estd. 1995

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Minutes of the Internal Quality Assurance Cell Meeting

Date: 14.08.2018

The eighth meeting of Internal Quality Assurance Cell was conducted on 14.08.2018 at 02.30 pm in the conference hall. The following members were present.

S.No.	Name of the Member	Position
1.	Dr. A. Senthil Kumar Principal	Chairperson
2.	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative
3.	Dr.M.Ramakrishnan Dean - Innovation	Faculty Members
4.	Dr.R.Murali Kannan Controller of Examinations	
5.	Dr.C.Callins Christiyana HoD-CSE	
6.	Prof. HelinaRajini Suresh HoD-ECE	
7.	Dr.A.Srinivasan HoD-EEE	
8.	Dr.S.Sivaranjani HoD-IT	
9.	Dr.R.Kumudha HoD-CIVIL	
10.	Dr.C.Marimuthu HoD-CHEMICAL	
11.	Dr.K.Hemalatha HoD-BME	
12.	Dr.V.Dharmaraj HoD-AGRI	
13.	Dr.S.Nagalakshmi PG-Head - M.E.PED	
14.	Dr.T.GuruBaskar, Prof./GE	

15.	Mr.R.Rajaguru Assoc.Prof./CSE	Faculty Members
16.	Mr.T.HarishBabu Asst.Prof./EEE	
17.	Selvan. M.Velvignesh, Third Year , MECH	Student Members
18.	Selvan. G.Sohail, Third Year, CSE	
19.	Selvi. C.Merline Rozario, Third Year, ECE	
20.	Mr.S.J.Pradeep Proprietor, Techno Fusion, Engineering Consultant & Contractor, Aruppukottai.	Alumni Members
21.	Mr. G.Rajamurthy, Director, SingaiCoirs Cluster Pvt. Ltd., Singampunari, SivagangaiDist.	Employer/Industrialist
22.	Mr. M. Kumaran Managing Director, Unique Industrial Automation Pvt. Ltd., Madurai	Community Representative / Parent
23.	Mr.K.Muthukumaran Administrative Officer	Administrative Officer
24.	Dr. A. Merline Dean – Planning & Development, ECE Dept.	Co-ordinator

The Principal welcomed all the members of the IQAC and briefed about the various quality assurance initiatives of the College and requested the IQAC coordinator to proceed as per the agenda.

8.IQAC. 1.0 Ratification of the Previous Minutes

The minutes of the previous meeting was ratified by the IQAC. The Cell also reviewed the Action Taken Report and approved the same.

8.IQAC. 2.0 Growth and Development of the College

8.IQAC. 2.1 NRI Admission

The IQAC noted the AICTE approval for admitting students

under the following categories from the academic year 2018-19.

- Non-Resident Indian (NRI)
- Overseas Citizens of India (OCI), Persons of Indian Origin (PIO), Children of Indian Workers in Gulf Countries (CIWGC) and Foreign Nationals (FN)

8.IQAC. 2.2 Infrastructure Development

The IQAC noted the construction of NRI Hostel, College Main Gate and Arch, Lift for physically challenged persons and additional Rest rooms at a total cost of Rs.204.17 Lakhs and appreciated the efforts taken by the College for Infrastructure Development during the Academic Year 2017 - 2018.

The Employer/Industrial member Mr. G.Rajamurthy appreciated the developmental activities that have happened in the Institution in terms of Infrastructure and Faculty competency

8.IQAC. 2.3 Autonomous Review Process

The IQAC noted that the Expert committee constituted by UGC will visit the College for extension of Autonomous Status in September 2018 and also noted the preparation for the visit.

8.IQAC.3.0 Quality Assurance Initiatives of the Institution

8.IQAC.3.1 NBA Accreditation

It was decided to go for NBA Accreditation for UG programs of the B.E. Mechanical Engineering and B.Tech. Information Technology in this academic year.

The other eligible Departments such as the Departments of Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Civil Engineering were asked to prepare to go for NBA Accreditation in the year 2019-2020

8.IQAC.3.2 NAAC Accreditation

The IQAC noted the preparation for the Second cycle of NAAC Accreditation. The Cell encouraged that the College should maintain such quality assurance initiatives through accreditation.

8.IQAC.4.0 Quality Enhancement Programs

8.IQAC.4.1 Internal Quality Assurance Initiatives Meetings

The details of Internal Quality Assurance Initiative Meetings conducted at the Institutional level to institutionalize the quality assurance practices as per NBA and NAAC criteria were noted by IQAC

8.IQAC.4.2 Programs conducted by FDC and IQAC

The IQAC noted the pedagogical training programs conducted for the faculty members by the Faculty Development Cell and the Internal Quality Assurance Cell

8.IQAC.4.3 Programs Attended by Faculty

The Seminars and Workshops attended by faculty members in other colleges were noted by IQAC

8.IQAC.5.0 Students' Achievements

The achievements of students in Co-curricular and Extra-curricular Activities for the year 2017 - 2018 was noted by IQAC

8.IQAC.6.0 Academic Audit

It was informed that the Academic Audit for the year 2017-2018 will be conducted in September 2018.

8.IQAC.7.0 Review of Attainment Analysis of COs, POs and PSOs

8.IQAC.7.1 Consolidated Attainment Analysis of COs of Even Semester Courses of 2017-2018

The CO Attainment for the sixth (2015-2019 batch), fourth (2016-2020 batch) and second semesters (2017-2021 batch) were reviewed.

The following ^{consolidated} suggestions for all programs for the improvement in CO attainment of current batches are reviewed:

- More activity based learning methods can be used in lower semesters to engage students in the class more and to improve their ability to apply the fundamental knowledge to solve problems.
- Students can be asked to submit models as Assignments to increase their knowledge in fundamentals.

8.IQAC.7.2 Consolidated Attainment Analysis of POs & PSOs of current batches

The attainment of POs and PSOs of the current three batches were reviewed based on the CO attainment up to sixth, fourth and second semester courses for the 2015 - 2019, 2016-2020 and 2017-2021 batches, respectively.

The following consolidated suggestions for all

programs for the improvement in POs and PSOs attainment of current batches are reviewed:

- It is found the attainment of PO4 - Conduct investigations of Complex Problems is generally low. To enhance the ability to investigate complex problem faculty members and students may be trained in design of experiments aspects.
- More software tools that are available as Open Source can be identified and Assignments can be given to increase the ability of the students to use more modern tools.

The members suggested that proper corrective action should be initiated based on the CO attainment analysis and POs & PSOs attainment analysis.

8.IQAC.8.0 Strategic Plan and its Achievement of targets towards the fulfillment of Vision and Mission of the Institution

The IQAC noted the Strategic Plan and achievements of the targets for the academic year 2017-18. The IQAC appreciated the efforts taken to achieve the targets. The IQAC reviewed the targets for the academic year 2018-2019 and approved the same

Dr. G.D. Sivakumar, Vice Principal thanked all the members for their active participation and valuable suggestions and assured that the College will implement all the quality assurance initiatives suggested by the members.


IQAC COORDINATOR


PRINCIPAL
Dr. A. Senthil Kumar, M.E., Ph.D.,
PRINCIPAL
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VIRUDHUNAGAR (Dt)



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ACTION TAKEN REPORT ON EIGHTH IQAC MEETING MINUTES

8.IQAC.7.1 Consolidated Attainment Analysis of COs of Even Semester Courses of 2017-2018

Based on the suggestion given by the members the departments are requested to encourage the faculty members to adopt more activity based learning methods and encourage students to develop models for few Courses.

8.IQAC.7.2 Consolidated Attainment Analysis of POs & PSOs of current batches

The departments are requested to train the faculty members and students in Design of experiments aspect and to use the open source software as tool to test, analyze, and interpret the results.

IQAC Coordinator

**S. SETHU INSTITUTE OF TECHNOLOGY
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Minutes of the Internal Quality Assurance Cell Meeting

Date: 23.11.2018

The ninth meeting of Internal Quality Assurance Cell was conducted on 23.11.2018 at 11.00 am in the Conference Hall. The following members were present.

S.No.	Name of the Member	Position
1.	Dr. A. Senthil Kumar Principal	Chairperson
2.	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative
3.	Dr.M.Ramakrishnan Dean - Innovation	Faculty Members
4.	Dr.R.Murali Kannan Controller of Examinations	
5.	Dr.C.Callins Christiyana HoD-CSE	
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9.	Dr.R.Kumudha HoD-CIVIL	
10.	Dr.C.Marimuthu HoD-CHEMICAL	
11.	Dr.K.Hemalatha HoD-BME	
12.	Dr.V.Dharmaraj HoD-AGRI	
13.	Dr.S.Nagalakshmi PG-Head - M.E.PED	
14.	Dr.K.Vijai PG-Head - M.E.Structural Engg.	

15.	Dr.T.GuruBaskar, Prof./GE	
16.	Mr.R.Rajaguru Assoc.Prof./CSE	
17.	Mr.T.HarishBabu Asst.Prof./EEE	
18.	Selvan. M.Velvignesh, Third Year , MECH	Student Members
19.	Selvan. G.Sohail, Third Year, CSE	
20.	Selvi. C.Merline Rozario, Third Year, ECE	
21.	Selvan. M.Ponrajesh kumar, Third Year, Civil	
22.	Ms.T.Rajathi, Techno Functional Business Analyst,Solartis Technology Pvt. Ltd.Madurai.,	Alumni Member
23.	Mr. G.Rajamurthy, Director, SingaiCoirs Cluster Pvt. Ltd., Singampunari, SivagangaiDist.	Employer/Industrialist
24.	Mr.K.Muthukumaran Administrative Officer	Administrative Officer
25.	Dr. A. Merline Dean – Planning & Development, Prof./ECE Dept.	Co-ordinator

The Principal welcomed all the members of the IQAC and briefed about the various quality assurance initiatives of the College and requested the IQAC coordinator to proceed as per the agenda.

9.IQAC.1.0 Ratification of the Previous Minutes

The minutes of the previous meeting was ratified by the IQAC. The Cell also reviewed the Action Taken Report and approved the same.

9.IQAC. 2.0 Growth and Development of the College

9.IQAC. 2.1 Extension of Autonomous Status

The IQAC appreciated the efforts taken by the College for

obtaining Extension of Autonomous Status by UGC and subsequently by Anna University from 2018-2019 to 2022-2023

9.IQAC.3.0 Quality Assurance Initiatives of the Institution

9.IQAC.3.1 Quality Assessment of Departments

The IQAC noted the parameters for Quality Assessment for the Departments of Mechanical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Technology and Civil Engineering for the year 2017-2018.

9.IQAC.4.0 Quality Enhancement Programs

9.IQAC.4.1 Internal Quality Assurance Initiatives Meetings

The details of Internal Quality Assurance Initiative Meetings conducted at the Institutional level to institutionalize the quality assurance practices as per NBA criteria were noted by IQAC

9.IQAC.5.0 Academic Audit

The IQAC noted the conduct of Academic Audit in September 2018 and reviewed the suggestions given in the report and the corrective actions carried out.

9.IQAC.6.0 Review of Attainment Analysis of COs and PEOs

9.IQAC.6.1 Consolidated Attainment Analysis of COs of 2014-2018 Batch

The attainment analysis of COs for the 2014-2018 batch was reviewed for all the programs.

The following suggestions for the improvement in CO attainment were reviewed:

- To enhance the student's ability to apply the knowledge of fundamental concepts of Engineering, developing models can be used as an alternate assessment for some courses.
- To enrich the problem analysis skills of students, Case Studies can be included for certain courses.
- Student member Selvan.M.Velvignesh suggested that the additional support may be provided for core courses which need mathematical understanding and problem solving skills.

9.IQAC.6.2 Consolidated Attainment Analysis of PEOs of 2010-2014 Batch Based on the feedback given by the graduates after 4 years of graduation the following two areas need improvement

- Communication skill should be developed for all students, especially for the students coming from rural background
- To equip the students with the ability for lifelong learning opportunities may be provided for self learning during the period of study.

9.IQAC.7.0 Stakeholders' Feedback

9.IQAC.7.1 Student Satisfaction Survey

Student Satisfaction Survey was conducted to analyze the satisfaction of the students in various aspects and the members expressed satisfaction on the good feedback provided by the students. The members also reviewed the Corrective Actions taken for the few aspects that need to be improved.

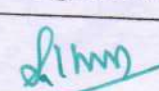


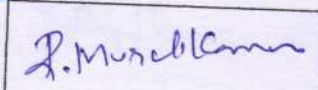
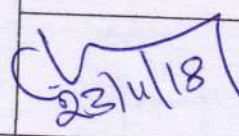
Dr. G.D. Sivakumar, Vice Principal thanked all the members for their active participation and valuable suggestions and assured that the College will implement all the quality assurance initiatives suggested by the members.

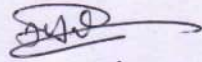
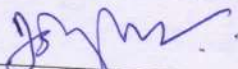


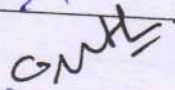
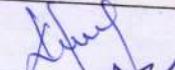

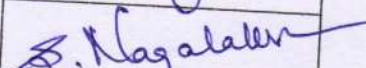
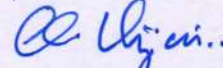
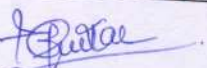
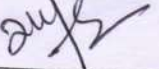


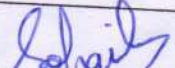

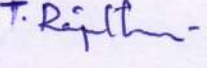
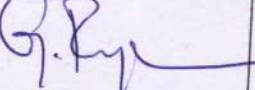


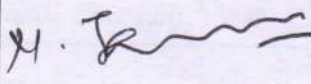

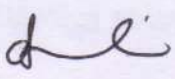
IQAC COORDINATOR


PRINCIPAL
 Dr. A. Senthil Kumar, M.E., Ph.D.,
PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
 PULLOOR, KARIAPATTI - 626 115
 VIRUDHUNAGAR (TN)

The ninth IQAC meeting minutes is ratified by the following members

S.No.	Name of the Member	Position	Signature
1.	Dr. A. Senthil Kumar Principal	Chairperson	
2.	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative	
3.	Dr.M.Ramakrishnan Dean - Innovation	Faculty Members	
4.	Dr.R.Murali Kannan Controller of Examinations		
5.	Dr.C.Callins Christiyana HoD-CSE		 23/11/18

6.	Prof. Helina Rajini Suresh HoD-ECE	Faculty Members	
7.	Dr. A. Srinivasan HoD-EEE		
8.	Dr. S. Sivaranjani HoD-IT		
9.	Dr. R. Kumudha HoD-CIVIL		
10.	Dr. C. Marimuthu HoD-CHEMICAL		
11.	Dr. K. Hemalatha HoD-BME		
12.	Dr. V. Dharmaraj HoD-AGRI		
13.	Dr. S. Nagalakshmi PG-Head - M.E. PED		
14.	Dr. K. Vijai PG-Head - M.E. Structural Engg.		
15.	Dr. T. GuruBaskar, Prof. / GE		
16.	Mr. R. Rajaguru Assoc. Prof. / CSE		
17.	Mr. T. Harish Babu Asst. Prof. / EEE		
18.	Selvan. M. Velvignesh, Third Year, MECH	Student Members	
19.	Selvan. G. Sohail, Third Year, CSE		
20.	Selvi. C. Merline Rozario, Third Year, ECE		
21.	Ms. T. Rajathi, Techno Functional Business Analyst, Solartis Technology Pvt. Ltd. Madurai.,	Alumni Members	
22.	Mr. G. Rajamurthy, Director, Singai Coirs Cluster	Employer/Industrialist	

	Pvt. Ltd., Singampunari, SivagangaiDist.		
23.	Mr. M. Kumaran Managing Director, Unique Industrial Automation Pvt. Ltd., Madurai	Community Representative / Parent	
24.	Mr. K. Muthukumaran Administrative Officer	Administrative Officer	
25.	Dr. A. Merline Dean – Planning & Development, ECE Dept.	Co-ordinator	



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ACTION TAKEN REPORT ON NINTH IQAC MEETING MINUTES

9.IQAC.5.0 Academic Audit

The HoDs are requested to carry out necessary action based on the suggestion given by the Academic Audit Team

9.IQAC.6.1 Consolidated Attainment Analysis of COs of 2014-2018 Batch

Based on the suggestion given by the members the departments are requested to adopt Innovative Assessments such as developing models or projects. Also scenario / Case Study based assignments may be given to students.

9.IQAC.6.2 Consolidated Attainment Analysis of PEOs of 2010-2014 Batch Based on the feedback given by the graduates after 4 years of graduation the following two areas need improvement

To improve the communication skills among the students the Institution has started clubs such as Toastmasters Club and Gavel Club and these clubs function effectively. In addition to these clubs Training and Placement Cell offers soft skill development programs to the students

IQAC Coordinator

PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115
YIRUDHUNAGAR (DN)



Estd. 1995

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Minutes of the Internal Quality Assurance Cell Meeting

Date: 18.02.2019

The tenth meeting of Internal Quality Assurance Cell was conducted on 18.02.2019 at 11.00 am in the conference hall. The following members were present.

Sl.No.	Name of the Member	Position
1	Dr. A. Senthil Kumar Principal	Chairperson
2	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative
3	Dr.M.Ramakrishnan Dean - Innovation	Faculty Members
4	Dr.R.Murali Kannan Controller of Examinations	
5	Dr.C.Callins Christiyana HoD-CSE	
6	Prof. HelinaRajini Suresh HoD-ECE	
7	Dr.A.Srinivasan HoD-EEE	
8	Dr.S.Sivaranjani HoD-IT	
9	Dr.R.Kumudha Dean - R&D & HoD-CIVIL	
10	Dr.C.Marimuthu HoD-CHEMICAL	
11	Dr.K.Hemalatha Dean - Academics & HoD-BME	
12	Dr.V.Dharmaraj HoD-AGRI	
13	Dr.P.G.Jansi Rani Dean – S&H	
14	Mr.R.Ramesh Kannan Asst.Prof / Physics	

15	Mr. Sheik Mydeen Asst. Prof / Chemistry	Faculty Members
16	Mr. S. M. Raja Sangar Asst. Prof / English	
18	Dr. S. Nagalakshmi PG-Head - M.E. PED	
19	Dr. K. Vijai PG-Head - M.E. Structural Engg.	
21	Dr. T. Guru Baskar, Prof. / GE	
22	Mr. R. Rajaguru Assoc. Prof. / CSE	
23	Mr. T. Harish Babu Asst. Prof. / EEE	Student Members
24	Selvan. M. Velvignesh, Third Year , MECH	
25	Selvan. G. Sohail, Third Year, CSE	
26	Selvi. C. Merline Rozario, Third Year, ECE	
27	Selvan. M. Ponrajeshkumar, Third Year, Civil	Alumni Members
28	Mr. S. J. Pradeep Proprietor, Techno Fusion, Engineering Consultant & Contractor, Aruppukottai.	
29	Ms. T. Rajathi, Techno Functional Business Analyst, Solartis Technology Pvt. Ltd. Madurai.,	Employer/Industrialist
30	Mr. G. Rajamurthy, Director, Singai Coirs Cluster Pvt. Ltd., Singampunari, Sivagangai Dist.	
31	Mr. M. Kumaran Managing Director, Unique Industrial Automation Pvt. Ltd., Madurai	Community Representative

32	Mr.K.Muthukumaran Administrative Officer	Administrative Officer
33	Dr. A. Merline Dean – Planning & Development, ECE Dept.	Co-ordinator

The Principal welcomed all the members of the IQAC and briefed about the various quality assurance initiatives of the College and requested the IQAC coordinator to proceed as per the agenda.

10.IQAC. 1.0 Ratification of the Previous Minutes

The minutes of the previous meeting was ratified by the IQAC. The Cell also reviewed the Action Taken Report and approved the same.

10.IQAC.2.0 Quality Assurance Initiatives of the Institution

10.IQAC.2.1 NBA Accreditation

The IQAC noted the submission of application for NBA Accreditation for UG programs of the B.E. Mechanical Engineering and the B.Tech Information Technology.

10.IQAC.3.0 Peer Team Audit

The IQAC noted the conduct of Peer Team Audit conducted on 16.02.2019 and reviewed the suggestions given in the report. The Departments were requested to take corrective actions for the suggestions given.

10.IQAC.4.0 Review of Attainment Analysis of COs, POs and PSOs and PEOs

10.IQAC.4.1 Consolidated Attainment Analysis of POs and PSOs of 2014-2018 Batch

The attainment of POs and PSOs for the recently graduated batch was reviewed.

The following consolidated suggestions for all programs for the improvement in PO and PSO attainment of 2014-2018 Batch are reviewed:

- Students may be encouraged to do Sustainable Projects to enhance the understanding of Environment and Sustainability.
- Number of courses offered through Project based learning can be increased to make students design and develop solutions that meet with realistic constraints for public health and safety, cultural, societal and environment considerations.
- The Community Representative / Parent member

Mr. M. Kumaran suggested that the students should be encouraged to carry out projects on real time applications to promote project based learning.

- Alumni Member Mr.S.J.Pradeep also suggested that students may be encouraged to concentrate in their core areas.

10.IQAC.4.2 Consolidated Attainment Analysis of COs of Odd Semester Courses of 2018-2019

The CO Attainment for the seventh (2015-2019 batch), fifth (2016-2020 batch) third (2017-2021 batch) and first (2018-2022 batch) semesters were reviewed.

The following consolidated suggestions for all programs for the improvement in CO attainment of current batches were reviewed:

- Make up classes may be organized to give more practice to enhance the ability to analyze complex engineering problems.

10.IQAC.4.3 Consolidated Attainment Analysis of POs & PSOs of current batches

The attainment of POs and PSOs of the current three batches were reviewed based on the CO attainment up to seventh (2015-2019 batch), fifth (2016-2020 batch) third (2017-2021 batch) semesters were reviewed.

The following consolidated suggestions for all programs for the improvement in PO and PSO attainment of current batches are reviewed:

- More Case Studies can be given to students to enhance their Problem Analysis skill and teamwork skills.
- The Community Representative / Parent member Mr. M. Kumaran also insisted that the faculty members and students must be aware of the latest technological developments.
- Alumni Member, Ms.T.Rajathi suggested that latest technologies should be included in the curriculum.

10.IQAC.5.0 Strategic Plan and its Achievement of targets towards the fulfillment of Vision and Mission of the Institution

The IQAC noted the initiatives taken towards achievement of targets for the academic year 2018-2019.

10.IQAC.6.0 Stakeholders' Feedback

10.IQAC.6.1 Observations and Suggestions of UGC Autonomous Review Committee

The observations and the suggestions given by the 'UGC Expert Committee for Review of Extension of Autonomous Status' was discussed. The members noted the Corrective Actions taken for the suggestions given by the Review committee.

10.IQAC.6.2 Feedback on Facilities

The members reviewed the feedback on facilities and also noted the Corrective Actions initiated for the facilities that need improvement.

Dr. G.D. Sivakumar, Vice Principal thanked all the members for their active participation and valuable suggestions and assured that the College will implement all the quality assurance initiatives suggested by the members.



IQAC COORDINATOR

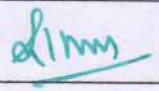

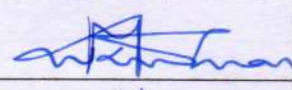
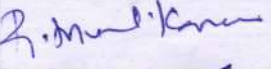

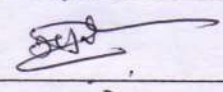
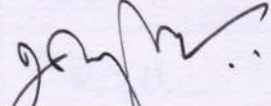


PRINCIPAL

Dr. A. Senthil Kumar, M.E., Ph.D.,
PRINCIPAL

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

The tenth IQAC meeting minutes is ratified by the following members

Sl.No.	Name of the Member	Position	Signature
1	Dr. A. Senthil Kumar Principal	Chairperson	
2	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative	
3	Dr.M.Ramakrishnan Dean - Innovation	Faculty Members	
4	Dr.R.Murali Kannan Controller of Examinations		
5	Dr.C.Callins Christiyana HoD-CSE		
6	Prof. HelinaRajini Suresh HoD-ECE		
7	Dr.A.Srinivasan HoD-EEE		



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ACTION TAKEN REPORT ON TENTH IQAC MEETING MINUTES

10.IQAC.3.0 Peer Team Audit

The Departments carried out necessary corrective Action based on the suggestions given by the Peer Team Audit Committee.

10.IQAC.4.1 Consolidated Attainment Analysis of POs and PSOs of 2014-2018 Batch

Based on the suggestions given by the members the departments are requested to provide Mini-Projects and Real Time Projects to promote Project Based Learning

10.IQAC.4.3 Consolidated Attainment Analysis of POs & PSOs of current batches

HoDs are requested to encourage the faculty members to update their knowledge on latest Technologies

IQAC Coordinator

PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
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VIRUDHUNAGAR (DI)



Estd. 1995

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Minutes of the Internal Quality Assurance Cell Meeting

Date: 10.05.2019

The Eleventh meeting of Internal Quality Assurance Cell was conducted on 10.05.2019 at 11.00 am in the Conference Hall. The following members were present.

Sl.No.	Name of the Member	Position
1	Dr. A. Senthil Kumar Principal	Chairperson
2	Dr. G.D. Sivakumar Vice Principal & HoD - MECH	Management Representative
3	Dr.R.Murali Kannan Controller of Examinations	Faculty Members
4	Dr.C.Callins Christiyana HoD-CSE	
5	Prof. Helina Rajini Suresh HoD-ECE	
6	Dr.A.Srinivasan HoD-EEE	
7	Dr.S.Sivaranjani HoD-IT	
8	Dr.C.Jenifa Latha HoD-CIVIL	
9	Dr.C.Marimuthu HoD-CHEMICAL	
10	Dr.V.Dharmaraj HoD-AGRI	
11	Dr.T.GuruBaskar, Prof./GE	
12	Mr.R.Rajaguru Assoc.Prof./CSE	
13	Mr.T.HarishBabu Asst.Prof./EEE	
14	Mr.K.Muthukumaran Administrative Officer	Administrative Officer

15	Dr. A. Merline Dean – Planning & Development, ECE Dept.	Co-ordinator
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The Principal welcomed all the members of the IQAC and briefed about the various quality assurance initiatives of the College and requested the IQAC coordinator to proceed as per the agenda.

11.IQAC. 1.0	Ratification of the Previous Minutes
	The minutes of the previous meeting was ratified by the IQAC. The Cell also reviewed the Action Taken Report and approved the same.
11.IQAC.2.0	Quality Assurance Initiatives of the Institution
11.IQAC.2.1	NBA Accreditation
	<ul style="list-style-type: none"> It was noted that the NBA Expert Team visit for the UG Programmes of MECH and IT was not scheduled during this academic year and it is postponed to 2019-2020. It was informed that the UG Programmes of CSE, ECE and EEE will have to apply for NBA Accreditation in the year 2019-2020 and the Departments were requested to prepare for the same.
11.IQAC.3.0	Implementation of AICTE Model curriculum for 2019-2020
	<ul style="list-style-type: none"> As it was proposed to implement AICTE Model Curriculum from the Academic year 2019 - 2020, the Departments were requested to make a thorough Gap analysis of the existing Curriculum with respect to <ol style="list-style-type: none"> Mapping of POs and PSOs and Attainment Analysis of COs, POs, PSOs and PEOs and do the needful in the Revised curriculum. The Revised Program Specific Criteria(PSC) for the year 2019-2020 as per ABET and prescribed by the respective International Professional Societies were discussed. The Departments were requested to ensure that all the components of PSC are satisfied in the new Curriculum

Dr. A.Merline, Dean-P&D thanked all the members suggested by the members.


IQAC COORDINATOR


PRINCIPAL



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ACTION TAKEN REPORT ON ELEVENTH IQAC MEETING MINUTES

11.IQAC.3.0 Implementation of AICTE Model curriculum for 2019-2020

The departments are requested to adhere to the norms of AICTE model curriculum and to incorporate the components of the Program Specific Criteria prescribed by the respective International Professional Societies for the year 2019-2020.

IQAC Coordinator

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

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

S.No.	Programme Code	Date of Introduction	Course with code	Date of Introduction
B.E. Mechanical Engineering				
1	UME	25.06.2018	15UME302 Manufacturing Technology I	25.06.2018
2	UME	25.06.2018	15UME403 Manufacturing Technology II	25.06.2018
3	UME	25.06.2018	15UME406 Machine Drawing	25.06.2018
4	UME	25.06.2018	15UME504 Operatios Research	25.06.2018
5	UME	25.06.2018	15UM507 CAD/CAM Laboratory	25.06.2018
6	UME	25.06.2018	15UME608 Metrology and Measurements Laboratory	25.06.2018
7	UME	25.06.2018	15UME706 Computer Aided Analysis Laboratory	25.06.2018
8	UME	25.06.2018	15UME903 Automobile Engineering	25.06.2018
9	UME	25.06.2018	15UME916 Refrigeration and Air-conditioning	25.06.2018
10	UME	25.06.2018	15UME972 Industrial Safety and Engineering	25.06.2018
11	UME	25.06.2018	15UME211 Computer Aided Drafting and Modeling Laboratory	25.06.2018
12	UME	25.06.2018	15UGS531 Soft Skills and Communication Laboratory	25.06.2018
13	UME	25.06.2018	15UME862 CNC Programming	25.06.2018
14	UME	25.06.2018	15UME866 Work Study	25.06.2018
B.E. Computer Science and Engineering				
15	UCS	25.06.2018	15UGM953 - Embedded Programming	25.06.2018
B.E. Electronics and Communication Engineering				
16	UEC	25.06.2018	15UEC924 - Machine Learning and Artificial Intelligence	25.06.2018
17	UEC	25.06.2018	15UEC865 - Programming in R	25.06.2018
B.E. Electrical and Electronics Engineering				
18	UEE	25.06.2018	15UGM954 - Smart Buildings	25.06.2018
19	UEE	25.06.2018	15UGM955 - Electric Vehicles	25.06.2018
20	UEE	25.06.2018	15UGM956 - Electrical Hazards and Safety in Hospitals	25.06.2018

S.No.	Programme Code	Date of Introduction	Course with code	Date of Introduction
B.Tech. Chemical Engineering				
21	UCH	25.06.2018	15UCM862 - Simulation on process fundamentals	25.06.2018
B.E. Agriculture Engineering				
22	UAG	25.06.2018	15UAG920 - Energy auditing and management for agro industries	25.06.2018
23	UAG	25.06.2018	15UAG918 - Design and construction of green house	25.06.2018
24	UAG	25.06.2018	15UAG916 - Manufacturing Technology	25.06.2018
25	UAG	25.06.2018	15UAG917 - Testing and management of farm machinery	25.06.2018
26	UAG	25.06.2018	15UAG919 - Farm structures	25.06.2018
27	UAG	25.06.2018	15UAG869 - Green building	25.06.2018
28	UAG	25.06.2018	15UAG870 - Liquid biofuels	25.06.2018
B.E. Biomedical Engineering				
29	UBM	25.06.2018	15UBM866 - Multi Medical Equipments Operating Skills Laboratory	25.06.2018
30	UBM	25.06.2018	15UBM867 - Medical Science	25.06.2018
31	UBM	25.06.2018	15UBM868 - 3D Printing applicable to Medical Field	25.06.2018

1.2.1 – New programmes/courses introduced during the Academic year

S.No.	Programme Code	Course Code	Name of the Course	Date of Introduction
B.E. Mechanical Engineering				
1	UME	15UGM951	Smart Manufacturing	25.06.2018
2	UME	15UGM952	Automation in Agriculture Engineering	25.06.2018
3	UME	15UGM958	Bio Fluid Mechanics	25.06.2018
B.E. Computer Science and Engineering				
4	UCS	15UGM953	Embedded Programming	25.06.2018
B.E. Electronics and Communication Engineering				
5	UEC	15UEC976	Sensors and Actuators	25.06.2018

S.No.	Programme Code	Course Code	Name of the Course	Date of Introduction
6	UEC	15UEC924	Machine Learning and Artificial Intelligence	25.06.2018
7	UEC	15UEC865	Programming in R	25.06.2018
B.E. Electrical and Electronics Engineering				
8	UEE	15UGM953	Electric Vehicles	25.06.2018
9	UEE	15UGM956	Electric Hazards and Safety in Hospitals	25.06.2018
B.Tech. Information Technology				
10	UIT	15UIT978	Website Designing	25.06.2018
B.E. Civil Engineering				
11	UCE	15UGM954	Smart Buildings	25.06.2018
12	UCE	15UGM959	Waste to Energy Conversion	25.06.2018
B.Tech. Chemical Engineering				
13	UCH	15UCH862	Simulation on Process Fundamentals	25.06.2018
B.E. Agriculture Engineering				
14	UAG	15UAG307	Crop Husbandry Laboratory	25.06.2018
15	UAG	15UAG915	Design of Food Processing Equipments	25.06.2018
16	UAG	15UAG916	Manufacturing Technology	25.06.2018
17	UAG	15UAG917	Testing and Management of Farm Machinery	25.06.2018
18	UAG	15UAG918	Design and Construction of Green House	25.06.2018
19	UAG	15UAG919	Farm Structures	25.06.2018
20	UAG	15UAG920	Energy Auditing and Management for Agro Industries	25.06.2018
21	UAG	15UAG921	Bio and Thermo Chemical Conversion of Biomass	25.06.2018
22	UAG	15UAG976	Seed Production Technology	25.06.2018
23	UAG	15UAG977	Sericulture Technology	25.06.2018
24	UAG	15UAG978	Basics of Landscape Gardening	25.06.2018
25	UAG	15UAG869	Green Building	25.06.2018
26	UAG	15UAG870	Liquid Bio Fuel	25.06.2018
27	UAG	15UAG871	Solar PV System	25.06.2018

S.No.	Programme Code	Course Code	Name of the Course	Date of Introduction
B.E. Biomedical Engineering				
28	UBM	15UBM917	Embedded Systems in Medicine	25.06.2018
29	UBM	15UGM953	Big Data and IoT	25.06.2018
30	UBM	15UBM867	Medical Science	25.06.2018
31	UBM	15UBM868	3D Printing Applicable to Medical Field	25.06.2018

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

S.No.	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
1	2019	Dr.S.Siva Ranjani	Prof & HOD	Best Professor in Information Technology by Innovative Education Leadership Award
2	2019	Dr.R.Kumutha	Prof & HOD	Shayesta Akhtar Memorial National Award for the Best women Engineering College Teacher from ISTE.
3	2019	Dr. B. Raja Mohamed Rabi	Professor	Excellence in Teaching from Institute of Exploring Advances in Science and Engineering
4	2019	Dr. G. Pitchayya Pillai	Professor	Reviewer Award from International Journal of Material Sciences and Engineering
5	2019	Dr. N. Premalatha	Associate Professor	Reviewer Award from Computer and Electronics in Agriculture
6	2018	Mr.R.Rajaguru	Associate Professor	Gold - Infosys Campus Connect of Infosys Limited
7	2018	Mrs.B.Pandeeswari	Asst Prof (SG)	Bronze - Infosys Campus Connect of Infosys Limited
8	2018	Mr.Mohammed Faiz	Assistant Professor	Bronze - Infosys Campus Connect of Infosys Limited

S.No.	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
9	2018	Mrs.P.S.Sharanshree	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
10	2018	Dr.C.Callins Christiyana	Prof & Head	NPTEL award – Elite + Gold Topper of 1%
11	2018	Mr.R.Rajaguru	Associate Professor	Best SPoC award by Infosys Limited
16	2018	Mrs.R.Sivaranjani	Associate Professor	NPTEL Award - Top 5% of Certified Candidates
17	2018	Mr.B.Muthupandian	Assistant Professor	NPTEL Award - Top 5% of Certified Candidates
19	2018	Mrs.P.Murugeswari	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
24	2018	Dr. A.Srinivasan	Prof. & Head	Elite (NPTEL)
25	2018	Dr. S.Nagalakshmi	Professor	Elite (NPTEL)
26	2018	Dr. R.M. Sasiraja	Asso. Prof.	Elite (NPTEL)
27	2018	Mr. M. Palpandian	Asst Prof (SG)	Elite (NPTEL)
28	2018	Mrs. K. Elavarsi	Assistant Professor	Elite (NPTEL)
34	2018	Mr.N.Kins Burk Sunil	Asst Prof (SG)	Elite in NPTEL Online Certification exam conducted by Various IIT'S
35	2018	Ms.N.Saranya Devi	Assistant Professor	Elite in NPTEL Online Certification exam conducted by Various IIT'S
12	2019	Dr.C.Callins Christiyana	Prof & Head	NPTEL award – Elite + Silver Topper of 2%
13	2019	Mrs.HelinaRajini Suresh	Prof & Head	NPTEL Award - Top 1% of Certified Candidates
14	2019	Dr. S.K.A Ahamed Kandu Sahib	Professor	NPTEL Award - Top 1% of Certified Candidates
15	2019	Mrs.R.Sivaranjani	Associate Professor	NPTEL Award - Top 2% of Certified Candidates

S.No.	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
18	2019	V.Parthasarathy	Assistant Professor	NPTEL Award - Top 5% of Certified Candidates
20	2019	Mrs.M.Fathunisha	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
21	2019	Mrs.N.Kayalvizhi	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
22	2019	Mr.A.Nagaraj	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
23	2019	Mr.N.Sathiyathan	Assistant Professor	Competent Communicator - Toastmasters International Communication Program
29	2019	Dr. A.Srinivasan	Prof. & Head	Elite (NPTEL)
30	2019	Dr. S.Nagalakshmi	Professor	Elite + Silver (NPTEL)
31	2019	Dr.B.MeenakshiSundaram	Professor	Elite (NPTEL)
32	2019	Dr.S.Jenicka	Asso.Prof	Data Science for Engineers NPTEL Online Certification (Elite+ Silver)
33	2019	Mrs.P.PabithaMuthu	Assistant Professor	Designing Learner-Centric MOOCs NPTEL Online Certification (Elite)
36	2019	Ms.D.S. Rabisha Darni	Assistant Professor	Elite+Silver in NPTEL Online Certification exam conducted by Various IIT'S

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance

Student Satisfaction Survey on Overall Institutional Performance (2018-19)



Features		Features	
1	General Infrastructure and Ambience	11	Use of ICT tools for better Teaching Learning Process
2	Lab Facilities	12	Program Outcomes and Course Outcomes provided by the Programme are clear
3	Central Library (Space, Books, Journals, digital library)	13	Quality of Course materials for Learning
4	Reprographic facility	14	Use of Innovative Teaching methods by Faculty members
5	Canteen facility	15	Exposure to Industry practices through Guest Lectures, Industrial Visits and Industrial Projects
6	Curriculum and Syllabus help in Employability and Entrepreneurship	16	Motivation for Academic excellence through Awards
7	Balance between Theory and Practical	17	Encouragement/Support to participate in Co-curricular and Extra-curricular activities
8	Engineering design skills provided by the Curriculum	18	Placement Training activities
9	Adequate choices for Electives	19	Campus Placement activities
10	Curriculum includes sufficient Modern tools (Hardware and Software)	20	Grievance Redressal through Suggestion Committee and Grievance Redressal Cells

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

S.No.	Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration in day of the grant
1	PARAMASAMY S	12000	2018	365
2	ANNALAKSHMI M	24000	2018	365
3	KARTHIKA DEVI R	24000	2018	365
4	ABITHA KUMARI D	24000	2018	365
5	ALANGUDI BALAJI N	24000	2018	365
6	JEYA LAKSHMI C	24000	2018	365
7	SATHISH KUMAR K	24000	2018	365
8	SURESH P	24000	2018	365
9	SOUNDRADEVI G	24000	2018	365
10	KINS BURK SUNIL N	24000	2018	365
11	JALALDEEN K	24000	2018	365
12	GODWIN CYRIL N	12000	2018	365
13	GOPI SUBRAMANI	12000	2018	365

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

S.No.	Title of Workshop/Seminar	Name of the Dept.	Date
1	Seminar on 'Intellectual Property Rights'	Mechanical Engineering	11.02.2019
2	Latest Technology in cloud computing & Big data with Intelligence	Computer Science Engineering	11.07.2018
3	Ethical Hacking & security	Computer Science Engineering	13.07.2018
4	Placement Opportunities & Industry Perspective	Computer Science Engineering	14.07.2018
5	Cloud Computing	Computer Science Engineering	28.09.2018
6	Data science & Big data Analytics	Computer Science Engineering	28.09.2018
7	Agile Software Development	Computer Science Engineering	29.09.2018
8	Penetration of Linux – open source	Computer Science Engineering	03.10.2018

S.No.	Title of Workshop/Seminar	Name of the Dept.	Date
9	Artificial Intelligence and Machine Learning	Computer Science Engineering	29.10.2018
10	Artificial Intelligence and Machine Learning	Computer Science Engineering	29.10.2018
11	Five Days Hands on FDP on Machine learning Using Python	Computer Science Engineering	26.11.2018 to 30.11.2018
12	Overview of Cloud Computing and its industrial use cases	Computer Science Engineering	31.01.2019
13	Industrial IOT	Computer Science Engineering	11.02.2019
14	Code Igniter	Computer Science Engineering	12.02.2019
15	Role of IPR in Innovation Management and Academia & Industrial Collaboration	Electronics & Communication Engineering	07.02.2019
16	Home Automation Based On IOT	Electrical & Electronics Engineering	04.10.2018
17	Awareness program on Electrical Engineering	Electrical & Electronics Engineering	20.03.2019
18	Effective usage of Power Quality Analyzer	Electrical & Electronics Engineering	27.10.2018
19	Robotics	Electrical & Electronics Engineering	18.07.2018 & 19.07.2018
20	Embedded system & its design	Electrical & Electronics Engineering	28.09.2018

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

S.No.	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
1	A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: its logic gates behavior and live cell imaging	K. Sakthipandi	Sensors & Actuators: B	2018	6.393	Sethu Institute of Technology	29
2	Schiff base receptor as fluorescence turn-on sensor for Ni ²⁺ ions in live cells and logic gate application	K. Sakthipandi	New Journal of Chemistry	2018	3.066	Sethu Institute of Technology	16
3	Impact of alkali treatment on physico-chemical, thermal, structural and tensile properties of Carica papaya bark fibers	SaravanaKumaa r, A, SenthilKumar, A, SaravanaKumar, SS & Sanjay, MR	International Journal of Polymer Analysis and Characterization	2018	1.581	Sethu Institute of Technology	10
4	Structural, Electrical and Magnetic Properties of NiLa _x Fe _{2-x} O ₄ Nanoferrites	K. Sakthipandi	Materials Chemistry and Physics	2018	2.877	Sethu Institute of Technology	8
5	Structural, Optical, Dielectric and Magnetic studies of Gadolinium-added Mn-Cu Nanoferrites	SenthilKumar, A, Rajesh Kanna, R, Nayagam Lenin, Rajesh Kanna, R & Sakthipandi	Journal of Magnetism and Magnetic Materials	2018	2.82	Sethu Institute of Technology	8
6	Ricinuscommunis fiber as potential reinforcement for lightweight polymer composites	Nijandhan, K, Muralikannan, R & Srisaran Venkatachalam	Materials Research Express	2018	1.411	Sethu Institute of Technology	6
7	The external and internal influences for the tuning of the properties of perovskite materials: An overview	K. Sakthipandi	Ceramics International	2019	3.641	Sethu Institute of Technology	5

S.No.	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
8	Doping effect of Rare-earth (La, Nd and Gd) ions on the structural, optical, dielectric and magnetic properties of copper nanoferrites	K. Sakthipandi, S.M.Seeni Mohamed Aliar Maraikkayar , M. Sivabharathy	Journal of Rare Earths	2018	3.106	Sethu Institute of Technology	4
9	Facile preparation of diverse copper oxide nanostructures and their characterization	S. Karthick Kumar	Materials Letters	2018	3.197	Sethu Institute of Technology	4
10	Nanostructured Metal Tellurides and Their Heterostructures for Thermoelectric Applications—A Review	M. Jayachandran	Journal of Nanoscience and Nanotechnology	2018	0.732	Sethu Institute of Technology	4
11	Speckle noise removal in SAR images using Multi-Objective PSO (MOPSO) algorithm	R.Sivaranjani	Applied Soft computing journal	2019	6.031	Sethu Institute of Technology	4
12	The Influence of the Thickness and Areal Density on the Mechanical Properties of Carbon Fibre Reinforced Aluminium Laminates (CARAL)	Muthu ChozhaRajan, B & Senthil Kumar, A	Transactions of the Indian Institute of Metals	2018	1.266	Sethu Institute of Technology	4
13	A Review of Surface Coating Technology to Increase the Heat Transfer	PungaiyaSudalai & Kailasanathan, C	International Journal of Mechanical Engineering and Robotics Research	2018	0.513	Sethu Institute of Technology	3
14	An Energy Aware Buffer Management (EABM) Routing Protocol for WSN	K. Sakthipandi	Journal of Supercomputing	2018	2.6	Sethu Institute of Technology	3
15	Combination of novel converter Topology and improved MPPT algorithm for harnessing maximum power from Grid connected Solar PV systems	B.Meenakshi sundaram	Springer-Journal of Electrical Engineering & Technology	2019	0.818	Sethu Institute of Technology	3

S.No.	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
16	Effect of Neodymium ion on the Structural, Electrical and Magnetic Properties of Nanocrystalline Nickel Ferrites	K. Sakthipandi	Ceramics International	2018	3.641	Sethu Institute of Technology	3
17	Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique	M. Chandrasekar G, Kailasanathan, C & Vasundara	Journal of Manufacturing Processes	2018	4.049	Sethu Institute of Technology	3
18	Molybdenum disulfide-based modifier for electrochemical detection of 4-nitrophenol	Tharini Jeyapragasam	Ionics	2018	2.273	Sethu Institute of Technology	3
19	A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites'	Ganesan, K, Kailasanathan, C, Sanjay, MR & Saravana Kumar,SS	Journal of Natural Fibers	2018	1.477	Sethu Institute of Technology	2
20	Artificial Intelligence (AI) in Agriculture	Dharmaraj, V. and Vijayanand C	Int.J.Curr.Microbiol.App. Sci	2018	0	Sethu Institute of Technology	2
21	Effect of tool wear on machining GFRP And AISI D2 steel using Alumina based Ceramic cutting tools	SenthilKumar, A Adam Khan, M, Thirumalai Kumaran, S, Uthayakumar, M & Tae Jo Ko	Silicon	2018	1.531	Sethu Institute of Technology	2
22	Effectual light-harvesting and electron –hole separation for enhanced photocatalytic decontamination of endocrine disruptor	B.Jeyaprabha	Journal of Photochemistry and photobiology A : Chemistry	2019	3.315	Sethu Institute of Technology	2

S.No.	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
	using Cu ₂ O/BiOI nanocomposite						
23	Enhanced Dual Authentication and Key Management Scheme for Data Authentication In Vehicular Ad Hoc Network	Alangudi Balaj N, Sukumar R, Parvathy M	Computers and Electrical Engineering Elsevier,	2019	2.762	Sethu Institute of Technology	2
24	Statistical evaluation and performance analysis of electrical discharge machining (EDM) characteristics of hard Ti-6Al-2Sn-4Zr-2Mo alloy	A Perumal, A Azhagurajan, S Baskaran, R Prithivirajan and P Narayansamy	<i>Materials Research Express</i>	2019	1.411	Sethu Institute of Technology	2
25	A Study on Impact of Rework in a Manufacturing System Using LEAN Techniques	Sivakumar, GD & Sudarshan, D	Journal of Computational and Theoretical Nanoscience	2018	0.216	Sethu Institute of Technology	1
26	Effect of post weld heat treatment and TiAlSiN coating on the tensile strength of autogenous plasma arc welding of duplex/ super austenitic stainless steels	Selvabharathi, R	Journal of Manufacturing Processes	2019,	4.049	Sethu Institute of Technology	1
27	Electrical, Magnetic and Structural Properties of Polymer-Blended Lanthanum-added Nickel Nanoferrites	K. Sakthipandi	Ceramics International	2018	3.641	Sethu Institute of Technology	1
28	Evaluation of mechanical and thermal properties of tamarind seed filler reinforced vinyl ester composites	Balasubramaniam Stalin, Nagaraj Nagaprasad, Venkataraman Vignesh & Manickam Ravichandran	Journal of Vinyl and Additive Technology	2019	1.206	Sethu Institute of Technology	1

S.No.	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
29	Impact Response and Damage Characteristics of Carbon Fibre Reinforced Aluminium Laminates (CARAL) under Low Velocity Impact Tests	B.Muthu Chozha Rajan, A.Senthil Kumar, T.Sornakumar and A.Saravana kumaar	<i>Materials Today: Proceedings</i>	2018	0.967	Sethu Institute of Technology	1
30	Investigations of Doping of Sn with Ag ₂ O as a Thin Film on Glass Plate for Morphological Studies	M. Jayachandran	Iranian Journal of Science and Technology, Transactions A: Science	2019	0	Sethu Institute of Technology	1
31	Neodymium doped on the manganese-copper nanoferrites: Analysis of structural, optical, dielectric and magnetic properties	K. Sakthipandi	Journal of Materials Science: Materials in Electronics	2019	2.208	Sethu Institute of Technology	1
32	Preparation, Characterization and Structure Prediction of In ₂ SnO ₃ and Spectroscopic (FT-IR, FT-Raman, NMR and UV-Visible) Study Using Computational Approach	M. Jayachandran	Journal of Nanoscience and Nanotechnology	2019	0.732	Sethu Institute of Technology	1
33	Protected reliable routing for MANET using bees algorithm	Dr.S.Ramesh	TAGA Journal	2018	0	Sethu Institute of Technology	1
34	Removal of heavy metals from waste water treatment using composite nanomaterials – A Review.	M. Jayachandran	Journal of Nanoscience Nanoengineering and Applications	2019	0	Sethu Institute of Technology	1
35	Study on optimum Utilisation of groundnut shell ash and cashew nut shell in concrete	R.Anandakumar	Caribbean Journal of Science	2019	0.341	Sethu Institute of Technology	1

S.No.	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
36	Tunning of Metal-Insulator Phase Transition Temperature in $\text{La}_{0.3}\text{Ca}_{0.7}\text{MnO}_3$ Perovskite	K. Sakthipandi	Materials Letters,	2018	3.197	Sethu Institute of Technology	1
37	Water-Suspended Graphene as Electrolyte Additive in Zinc–Air Alkaline Battery System	K. Sakthipandi	Ionics,	2019	2.273	Sethu Institute of Technology	1
38	A Mexacarbate Electrochemical Biosensor on Carbon Materials Based on a Functionalized Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode	J. Tharini	International Journal of Electrochemical Science	2019	1.274	Sethu Institute of Technology	0
39	A novel design of Multilevel inverter with reduced switch topology for the integration of renewable energy sources	J.Rahila, Santhi. M	Journal of Electrical Engineering	2019	0.862	Sethu Institute of Technology	0
40	A Novel Hybrid DC-DC Converter with High Voltage Gain for Electric Vehicle Charging Systems	Sasiraja RM, Rajesh Kanna GR, Muthulakshmi K, Eswaran T, Prince Winston D & Praveen Kumar B	Journal of Electrical Engineering	2019	0.862	Sethu Institute of Technology	0
41	A study on copper slag as a replacement of fine aggregate with addition of red soil	K.Pandeeswari	International Journal of Advanced Research	2019	0	Sethu Institute of Technology	0
42	A succinct study and analysis of smart manufacturing: IOT is driving the next industrial revolution	Ms.D. Rojaramani, Dr. S.Siva Ranjani, Ms. G. Rajalakshmi	Journal of Emerging Technologies and Innovative Research	2018	0	Sethu Institute of Technology	0

S.No.	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
43	A survey Yoga enhanced CBT for stress reduction	Kanimozhi K & Raja Mohamed Rabi, B	International Journal of ChemTech Research IJCRGG, ISSN: 0974-4290, ISSN (Online):2455-9555	2018	0	Sethu Institute of Technology	0
44	A swarm intelligence based clustering technique with scheduling for the amelioration of lifetime in sensor networks	Guruprakash, B, Sukumar, R & Balasubramanian, C	Wireless Personal Communication, Springer	2018	1.171	Sethu Institute of Technology	0
45	Accident Analysis And Generating Accident Prediction Model For Madurai City	M.Jyothi	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
46	Accurate Classification of Cancer in Mammogram Images	M. Parisa Beham, R. Tamilselvi, A. Nagaraj	Springer Nature	2019	0	Sethu Institute of Technology	0
47	Adopting Security Checks In Business Transactions Using Formal-Oriented Analysis Processes For Entrepreneurial Students	Dr.P.Senthil Pandian	International Journal of Electrical Engineering & Education	2019	1.154	Sethu Institute of Technology	0
48	An Approach by Adopting Multi-Objective Clustering and Data Collection Along With Node Sleep Scheduling for Energy Efficient and Delay Aware WSN	Guruprakash, B, Sukumar, R & Balasubramanian, C	Peer-to-Peer Networking and Applications Springer, 2019	2019	2.91	Sethu Institute of Technology	0

S.No.	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
49	An Efficient Approach for Facial Recognition based on AAM and CNN	R. Rachel, S. Sridevi	International Journal of Pure and Applied Mathematics	2018	0.294	Sethu Institute of Technology	0
50	An Efficient Encoder Architecture Design for Cognitive radio Networks	D.Abitha Kumari, Dr. J Sutha	Journal of Wireless personal Communications, Springer	2018	0	Sethu Institute of Technology	0
51	An Efficient Melanoma Diagnosis Approach Using Integrated HMF Multi-Atlas map Based Segmentation	D.Roja Ramani, Dr.Siva Ranjani	Journal of Medical Systems	2019	3.185	Sethu Institute of Technology	0
52	An Emerging statistical analysis for solving big data problems using R tool	Ms. G. Rajalakshmi, Dr. S.SivaRanjani	International Journal of Research and Analytical Reviews	2018	0	Sethu Institute of Technology	0
53	An Experimental and Numerical Investigation on the Mechanical Properties of Addition of Wood Flour Fillers in Red Banana Peduncle Fiber Reinforced Polyester Composites'	Manimaran, P, Shadrach Jeyasekaran, A, Rajesh Purohit & Pitchayya Pillai	Journal of Natural Fibers	2018	1.477	Sethu Institute of Technology	0
54	An Experimental Study on Eco Friendly bricks	S.Vignesh Bharathi	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
55	An Experimental Study on Stabilization of Black cotton soil by using burnt brick dust	G.Vigneswari	International research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0

S.No.	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
56	An lot based weather monitoring system to prevent and alert Cauvery delta district of tamil nadu	R. Karthicka Devi	Springer Nature	2019	0	Sethu Institute of Technology	0
57	Analysing the effects of Industrial Effluents on Black cotton soil	K.Padmawathi	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0
58	Analysis of OSA syndrome from PPG signal using CART-PSO classifier with time domain and frequency domain features	N. Kins Burk Sunil, R. Ganesan and B. Sankaragomathi	Computer Modeling in Engineering and Sciences	2019	0.815	Sethu Institute of Technology	0
59	Armored Modular and Non-Modular Vehicle A Survey	M. Sheik Dawood, A. Fardhan Ahmed, M. Jehosheba Margaret, C. Yesubai Rubavathi	International Journal of Engineering and Advanced Technology	2019	0.409	Sethu Institute of Technology	0
60	Automated Health Monitoring System for Premature Fetus	V.Karthick, B Rinoj, T Venish Kumar, A Manoj Prabakaran, P Selvaprasanth	Asian Journal of Applied Science and Technology	2019	0	Sethu Institute of Technology	0
61	Color-Textured Feature Based Image Retrieval Using Local Binary Pattern with Hyper_Plane Thresholding	C.Callins Christiyana, M.Mathinakani, M.Poomani@Punitha, K.Priyadharsini	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	Sethu Institute of Technology	0
62	Comparison of Flipped Classroom Approach with Traditional Classroom Environment for Undergraduate Engineering Students	K.Kanimozhi, B.Raja Mohmed Rabi	<i>International Journal of Scientific Research and Engineering Development</i>	2019	0	Sethu Institute of Technology	0

S.No.	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
63	Damping, thermal, and mechanical analyses of polycarbonate/cerium oxide composites for structural applications	Karuppasamy R & Muralikannan, R	International Polymer Processing	2019	0.964	Sethu Institute of Technology	0
64	Design Fabrication and Control of a Hexapod Robot	Kanimozhi K & Raja Mohamed Rabi, B	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2019	0.888	Sethu Institute of Technology	0
65	Design of flexible pavement using plastic waste for sit sports village	M.Vignesh	SSRG International Journal of Civil Engineering	2019	0	Sethu Institute of Technology	0
66	Design of Low Power MPSoC Architecture using DR Method	R Karthick	Asian Journal of Applied Science and Technology	2019	0	Sethu Institute of Technology	0
67	Designing Of Prototype Slotless Permanent Magnet Bldc Motor With Halbach Array Using Ansys Software And Its Investigation	V.Kannan, M.Santhi,D.Suresh Kumar	Journal Of Electrical Engineering	2019	0.862	Sethu Institute of Technology	0
68	Detection and Classification of Exudates and Non-exudates in Retinal Images	R. Tamilselvi, M. Parisa Beham,A. Merline,V. Parthasarathy	Springer Nature	2019	0	Sethu Institute of Technology	0
69	Detection on Credit Card Scam Using Self Organization Approach with of Support Virtual Machine Model	R.Rubesh Selvakumar, V.Vivek, P.Senthil Pandian, S.Duraipandi, R.Rajaguru, B Sivananthan, S Sathish Kumar	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sethu Institute of Technology	0

S.No.	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
70	Ecofriendly Decolorisation of Textile Waste water Using Natural Coagulants	P.Sasirekha	Asian Journal of Engineering and Applied Technology	2019	0	Sethu Institute of Technology	0
71	Effect of 200 MeV Ag ¹⁶⁺ Swift heavy ion irradiation on structural and magnetic properties of M-type barium hexaferrite	K. Sakthipandi	Materials Research Express	2020	1.411	Sethu Institute of Technology	0
72	Effect of Praseodymium on the Magnetic and Structural Properties of Barium Ferrites,	K. Sakthipandi and M. Sivabharathy	Physica B: Condensed Matter,	2019	1.881	Sethu Institute of Technology	0
73	Effective Implementation of Padlet ICT Tool for Engineering Education	M.Malathi, Gospeline Christiana, Sangeetha S	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	Sethu Institute of Technology	0
74	Emotion Recognition based on Facial Components	P.Ithaya Rani, P & Muneeswaran, K	Sadhana Indian Academy of Sciences	2018	1.003	Sethu Institute of Technology	0
75	Enhancement in the antifungal activity of pure and Iron doped ZnO nanoparticles prepared in the absence of reducing agents	K. Sakthipandi	Journal of Inorganic and Organometallic Polymers and Materials	2019	1.6	Sethu Institute of Technology	0
76	Environmental Effects of a Single Cylinder DI Diesel Engine fuelled with non-edible Pongamia Biodiesel feedstock used for Agriculture	Muralidharan, K, Rajashankar, M, ArunBalasubramanian, K & Senthil Kumar, D	International Journal of Pure and Applied Mathematics	2018	0.294	Sethu Institute of Technology	0

S.No.	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
77	Estimation of Face Pose Orientation Using Model-Based Approach	M. Annalakshmi, M. Parisa Beham	Springer Nature	2019	0	Sethu Institute of Technology	0
78	Evaluation of anticorrosive behaviour of ZnO nanotetra-pods on a AZ91-grade Mg alloy	K. Sakthipandi	Bulletin of Materials Science	2019	1.299	Sethu Institute of Technology	0
79	Experimental Investigation of Thermocrete Panel	S.Suresh	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0
80	Experimental Investigation on Concrete by Using E-waste Plastic (Remote,TV etc)	D.Rebhekhal	Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
81	Experimental Investigation on concrete using Bamboo Fibre and Metakaolin	D.Rebhekhal	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0
82	Experimental investigation on corrosion behavior of friction surfaced mild steel with aluminum alloy 5083-Cadmium composite	D. Prince Sahaya Sudherson,, P. Peter Anandkumar, G.R. Jinu,, K. Arun Balasubramanian, S.C. Vettivel	Materials Research Express	2019	1.411	Sethu Institute of Technology	0
83	Experimental Investigation on Normal Concrete by Adding Jute fiber as an admix	M.Suresh	International Research Journal of Engg. & Tech	2019	0	Sethu Institute of Technology	0
84	Flexible Pavement Using Coconut Shell And Coir Fibre	M.Jyothi	International Journal of Emerging Technologies and	2019	0	Sethu Institute of Technology	0

S.No.	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
			Innovative Research				
85	Flexural Behaviour of RC beam using Aluminum powder	B.H.Ramathilagam	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
86	Flexural Behaviour of RC beam using Nylon fiber and Steel fiber	L.Kokila	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
87	Geospatial Approach In Change Detection Analysis of Water Body Encroachment Activities, Using Remote Sensing and GIS-(1990,2000,2015)	M. Krishnakumar	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
88	Green Energy: Modeling and Simulation of Thermoelectric Generator for Production of Electricity from Air Conditioner Waste Heat	K.Kanimozhi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	Sethu Institute of Technology	0
89	HHFDS Heterogeneous hybridized fuzzy-based Dijkstra's multitask scheduling in WSN	Guruprakash, B, Balasubramanian, C & Sukumar, R,	Concurrency and Computation: Practice and Experience, Wiley-Blackwell	2018	1.717	Sethu Institute of Technology	0
90	High Resolution Image Scaling Using Fuzzy Based FPGA Implementation Internet of Things based High Security	R Karthick, A Manoj Prabakaran, P Selvaprasanth	Asian Journal of Applied Science and Technology	2019	0	Sethu Institute of Technology	0

S.No.	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
	Border Surveillance Strategy						
91	Identification of Ground Water Contamination Sources in City Environmental Using Remote Sensing and GIS	M. Krishnakumar	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0
92	Identification of Train Movement through Sensor Signals for Unmanned Level Crossing	Y.Arockia Jesuraj, K.Hemalatha, V.Vijayaragavan	Journal of advanced research in dynamic and control system	2018	0.271	Sethu Institute of Technology	0
93	Impact of fuel injection advance on combustion and gas emissions in a TBC engine fuelled with Honge Biodiesel	Muralidharan, K, Rajashankar, M, ArunBalasubramanian, K & SenthilKumar, D	Ecology, Environment and Conservation Paper	2018	0	Sethu Institute of Technology	0
94	Improved efficiency of direct torque controlled induction motor drive by golden section method.	Jeyashanthi. J and SANTHI, M	Revista Facultad de Ingenieria	2019	0.392	Sethu Institute of Technology	0
95	Influence of high-velocity oxygen fuel spraying and plasma nitriding on microstructure properties of iron-nickel-chromium alloy using hybrid surface heat treatment	R Ganapathy Srinivasan, R Selvabharathi, S Palani and R Karuppasamy	<i>Materials Research Express</i>	2019	1.411	Sethu Institute of Technology	0
96	Intelligent System for Heart Disease Prediction	R.Velumani,S.Dhanasekaran, K.Pradeep Mohankumar, D.Roja Ramani	Caribbean Journal of Science	2019	0.341	Sethu Institute of Technology	0
97	Internet of Things: A Research Oriented Introductory i	T.Sampradeepraj	International Journal of Adhoc and Ubiquitous Computing	2018	0	Sethu Institute of Technology	0

S.No.	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
98	Investigation Of Indoor Performance Of Dust Accumulation On Solar Photovoltaic Module	M. Palpandian	Journal of Electrical Engineering	2019	0.862	Sethu Institute of Technology	0
99	Investigation of tensile, flexural and impact properties of Neem-Indian almond hybrid fiber based epoxy composites	P S P Shankarganesh, R Muralikannan, R Selvabharathi and R Karuppasamy	<i>Materials Research Express</i>	2019	1.411	Sethu Institute of Technology	0
100	Micro Level Accident Prediction Modelling For Chennai City	S.Bharathi	SSRG International Journal of Civil Engineering	2019	0	Sethu Institute of Technology	0
101	Multi Response Optimization of Fabrication Parameters of Carbon Fiber-Reinforced Aluminium Laminates (CARAL): By Taguchi Method and Gray Relational Analysis	MuthuChozhaRajan, B, SenthilKumar, A, Sornakumar, T, SenthamaraiKannan, P & Sanjay, MR	Polymer Composites	2019	2.007	Sethu Institute of Technology	0
102	Nano-structured Manganese promoted Ferrous Catalyst synthesized by inipient wetness impregnation method: Synthesis Characterization	M.Arul Jayan, S.S. Dawn, G.G. Vinoth Kumar,	Materials letters	2019	3.197	Sethu Institute of Technology	0
103	Neural Network Controlled Primitive Fault Analysis and Monitoring of Wind Turbine Gear Box	K.Kanimozhi	International Journal of Recent Technology and Engineering	2019	0	Sethu Institute of Technology	0
104	Optimized project planning and Scheduling of Multistorey Building	T.G.Ramkumar	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0

S.No.	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
105	Performance Analysis of Nanoparticles in Healthcare and Biomedical Applications	R. Tamilselvi, M. Parisa Beham	Springer Nature	2019	0	Sethu Institute of Technology	0
106	Performance and Statistical Analysis of Chaotic Random Bit Generator	S. M. Seeni Mohamed Aliar Maraikkayar, R. Tamilselvi, M. Parisa Beham, A. Sabah Afroze	International Journal of Computer and Communication Engineering	2019	0	Sethu Institute of Technology	0
107	Performance of BFRP Wrapped Steel Shaft Subjected to tensile load	R Anandakumar	International Journal of Engineering and Technology	2019	0.621	Sethu Institute of Technology	0
108	Poly(o-phenylenediamine)-Multiwalled Carbon Nanotube Nanocomposite Based Electrochemical Sensing Platform for Paraquat Detection	J. Tharini	International Journal of Electrochemical Science	2019	1.274	Sethu Institute of Technology	0
109	PVA-doped NiNd _x Fe _{2-x} O ₄ nanoferrites: Tuning of dielectric and magnetic properties,	K. Sakthipandi	Journal of Magnetism and Magnetic Materials	2019	2.82	Sethu Institute of Technology	0
110	Recent progress, Open challenges and Approaches on Carbon-free Energy from Water Splitting	K. Sakthipandi	Nano Micro Letters	2019	8.221	Sethu Institute of Technology	0
111	Recognizing Face With Consecutive Occlusion Using Markov Chain	G.Rajeswari, P.Ithaya Rani	International Journal Of Innovative Technology And Creative Engineering	2018	0	Sethu Institute of Technology	0
112	Review on Applications of Internet of Things	M.Sheik Dawood, M.Jehosheba Margaret,	International Journal of Advanced Research in	2018	0	Sethu Institute of Technology	0

S.No.	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
		R.Devika	computer Engineering & Technology				
113	Role of X-Rays in Assessment of Bone Mineral Density—A Review	R.Tamilselvi, M.Parisa Beham	Springer Nature	2019	0	Sethu Institute of Technology	0
114	Self-powered IoT Node High Efficiency Solar Power Management Systems	T.Harish Babu, Mohamed Abdullah	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	0	Sethu Institute of Technology	0
115	Single DC Source Multilevel Inverter Based on Switched Capacitor with Minimum Number of Switches for Medium Power Applications	G.Soundra devi	International Journal of Electrical Engineering	2019	0	Sethu Institute of Technology	0
116	Single stage energy efficient solar power inversion using SBC Control	T.Harish Babu	Eleyon Engineering Reports	2018	0	Sethu Institute of Technology	0
117	Stabilization of Black cotton soil using coconut leaf ash	K.Padmawathi	International Research Journal of Engineering and Technology	2019	0	Sethu Institute of Technology	0
118	Stabilization of Black Cotton Soil Using Epoxy Resin	S.Bharathi	SSRG International Journal of Civil Engineering	2019	0	Sethu Institute of Technology	0
119	Stabilization of clay soil using polypropylene and saw dust ash	M.Vignesh	SSRG International Journal of Civil Engineering	2019	0	Sethu Institute of Technology	0

S.No.	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
120	Structural, morphological and optomagnetic properties of GO/Nd/Cu-Mn ferrite ternary nanocomposite	R. Rajesh Kanna	Ceramics International	2019	3.641	Sethu Institute of Technology	0
121	Structural, morphological and optomagnetic properties of La/Cu/Cu-Mn ferrites ternary nanocomposite	K. Sakthipandi	Journal of Electronic Materials	2019	1.657	Sethu Institute of Technology	0
122	Study of phase transition in Cu-doped La _{0.7} Sr _{0.3} MnO ₃ perovskite manganite materials by ultrasonic technique	K. Sakthipandi, M. Sivabharathy and A. Senthil Kumar	Materials Today: Proceedings	2019	0.967	Sethu Institute of Technology	0
123	Synthesis, characterization and computation of Potassium doped Calcium Hydroxide Nanoparticles and Nanotubes	K. Sakthipandi	International Journal of Mechanical and Production Engineering Research and Development	2019	0.888	Sethu Institute of Technology	0
124	The New Approach for Optimal Siting and Sizing of Multiple Distributed Generators using NSGA II	Sasiraja RM, Muthulakshmi K & Eswaran	Journal of Electrical Engineering	2019	0.862	Sethu Institute of Technology	0
125	Thermal degradation and lifetime estimation of polycarbonate–ceria composite for electronic applications	R Karuppasamy and R Muralikannan	<i>Materials Research Express</i>	2019	1.411	Sethu Institute of Technology	0
126	Treatment of Waste Water by Using Dragon Fruit Peel	P.Sasirekha	International Conference on Industry 4.0 and Advance	2019	0	Sethu Institute of Technology	0

S.No.	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
			ments in Civil Engineering				
127	Treatment of Waste Water from Dairy Industry by using Chemical and Natural Coagulants	P.Sasirekha	International Conference on Industry 4.0 and Advancements in Civil Engineering	2019	0	Sethu Institute of Technology	0
128	Trust Aware SVM Based Ids For Mitigating The Malicious Nodes In Manet	A.R.Rajeswari, K.Kulothungan, Sannasi Ganapthy, A.Kannan	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sethu Institute of Technology	0
129	Use of Fly Ash and Plastic in Bricks	S.Bharathi	International Journal of Emerging Technologies and Innovative Research	2019	0	Sethu Institute of Technology	0
130	Wireless Biometric Data Protection in Pendrive	Dr. G. Narmadha, S. Deivasigamani and S. Sivaguru	Caribbean Journal of Science	2019	0.341	Sethu Institute of Technology	0
131	XSITRAY: A Database for the Detection of Osteoporosis Condition	S.M.Nazia Fathima, R.Tamilselvi and M.Parisa Beham	Biomedical and Pharmacology journal	2019	0.463	Sethu Institute of Technology	0

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

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
1	A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: its logic gates behavior and live cell imaging	K. Sakthipandi	Sensors & Actuators: B	2018	170	29	Sethu Institute of Technology
2	Schiff base receptor as fluorescence turn-on sensor for Ni ²⁺ ions in live cells and logic gate application	K. Sakthipandi	New Journal of Chemistry	2018	112	16	Sethu Institute of Technology
3	Impact of alkali treatment on physico-chemical, thermal, structural and tensile properties of Carica papaya bark fibers	SaravanaKumaar A, SenthilKumar, A, SaravanaKumar, SS & Sanjay, MR	International Journal of Polymer Analysis and Characterization	2018	32	10	Sethu Institute of Technology
4	Structural, Electrical and Magnetic Properties of NiLa _x Fe _{2-x} O ₄ Nanoferrites	K. Sakthipandi	Materials Chemistry and Physics	2018	132	8	Sethu Institute of Technology
5	Structural, Optical, Dielectric and Magnetic studies of Gadolinium-added Mn-Cu Nanoferrites	SenthilKumar, A, Rajesh Kanna, R, Nayagam Lenin & Sakthipandi	Journal of Magnetism and Magnetic Materials	2018	153	8	Sethu Institute of Technology
6	Ricinus communis fiber as potential reinforcement for lightweight polymer composites	Nijandhan, K, Muralikannan, R & Srisaran Venkatachalam	Materials Research Express	2018	21	6	Sethu Institute of Technology
7	The external and internal influences for the tuning of the properties of perovskite materials: An overview	K. Sakthipandi	Ceramics International	2019	89	5	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
8	Doping effect of Rare-earth (La, Nd and Gd) ions on the structural, optical, dielectric and magnetic properties of copper nanoferrites	K. Sakthipandi, S.M.Seeni Mohamed Aliar Maraikkayar , M. Sivabharathy	Journal of Rare Earths	2018	43	4	Sethu Institute of Technology
9	Facile preparation of diverse copper oxide nanostructures and their characterization	S. Karthick Kumar	Materials Letters	2018	124	4	Sethu Institute of Technology
10	Nanostructured Metal Tellurides and Their Heterostructures for Thermoelectric Applications—A Review	M. Jayachandran	Journal of Nanoscience and Nanotechnology	2018	95	4	Sethu Institute of Technology
11	Speckle noise removal in SAR images using Multi-Objective PSO (MOPSO) algorithm	R.Sivaranjani	Applied Soft computing journal	2019	110	4	Sethu Institute of Technology
12	The Influence of the Thickness and Areal Density on the Mechanical Properties of Carbon Fibre Reinforced Aluminium Laminates (CARAL)	MuthuChozhaRajan, B & Senthil Kumar, A	Transactions of the Indian Institute of Metals	2018	23	4	Sethu Institute of Technology
13	A Review of Surface Coating Technology to Increase the Heat Transfer	PungaiyaSudalai, & Kailasanathan, C	International Journal of Mechanical Engineering and Robotics Research	2018	5	3	Sethu Institute of Technology
14	An Energy Aware Buffer Management (EABM) Routing Protocol for WSN	K. Sakthipandi	Journal of Supercomputing	2018	49	3	Sethu Institute of Technology
15	Combination of novel converter Topology and improved MPPT algorithm for harnessing maximum power from Grid connected Solar PV systems	B.Meenakshi sundaram	Springer-Journal of Electrical Engineering & Technology	2019	22	3	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
16	Effect of Neodymium ion on the Structural, Electrical and Magnetic Properties of Nanocrystalline Nickel Ferrites	K. Sakthipandi	Ceramics International	2018	89	3	Sethu Institute of Technology
17	Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique	M. Chandrasekar, G, Kailasanathan, C & Vasundara	Journal of Manufacturing Processes	2018	39	3	Sethu Institute of Technology
18	Molybdenum disulfide-based modifier for electrochemical detection of 4-nitrophenol	Tharini Jeyapragasam	Ionics	2018	48	3	Sethu Institute of Technology
19	A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites'	Ganesan, K, Kailasanathan, C, Sanjay, MR & Saravana Kumar,SS	Journal of Natural Fibers	2018	20	2	Sethu Institute of Technology
20	Artificial Intelligence (AI) in Agriculture	Dharmaraj, V. and Vijayanand C	Int.J.Curr.Microbiol.App.Sci	2018	0	2	Sethu Institute of Technology
21	Effect of tool wear on machining GFRP And AISI D2 steel using Alumina based Ceramic cutting tools	SenthilKumar, A , Adam Khan, M, Thirumalai Kumaran, S, Uthayakumar, M & Tae Jo Ko	Silicon	2018	19	2	Sethu Institute of Technology
22	Effectual light-harvesting and electron –hole separation for enhanced photocatalytic decontamination of endocrine disruptor using Cu ₂ O/BiOI	B.Jeyaprabha	Journal of Photochemistry and photobiology A : Chemistry	2019	145	2	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
	nanocomposite						
23	Enhanced Dual Authentication and Key Management Scheme for Data Authentication In Vehicular Ad Hoc Network	Alangudi Balaj N, Sukumar R, Parvathy M	Computers and Electrical Engineering Elsevier,	2019	49	2	Sethu Institute of Technology
24	Statistical evaluation and performance analysis of electrical discharge machining (EDM) characteristics of hard Ti-6Al-2Sn-4Zr-2Mo alloy	A Perumal, A Azhagurajan, S Baskaran, R Prithivirajan and P Narayansamy	<i>Materials Research Express</i>	2019	21	2	Sethu Institute of Technology
25	A Study on Impact of Rework in a Manufacturing System Using LEAN Techniques	Sivakumar, GD & Sudarshan, D	Journal of Computational and Theoretical Nanoscience	2018	43	1	Sethu Institute of Technology
26	Effect of post weld heat treatment and TiAlSiN coating on the tensile strength of autogenous plasma arc welding of duplex/ super austenitic stainless steels	Selvabharathi, R	Journal of Manufacturing Processes	2019,	39	1	Sethu Institute of Technology
27	Electrical, Magnetic and Structural Properties of Polymer-Blended Lanthanum-added Nickel Nano-ferrites	K. Sakthipandi	Ceramics International	2018	89	1	Sethu Institute of Technology
28	Evaluation of mechanical and thermal properties of tamarind seed filler reinforced vinyl ester composites	Balasubramanian Stalin, Nagaraj Nagaprasad, Venkataraman Vignesh & Manickam	Journal of Vinyl and Additive Technology	2019	32	1	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
		Ravichandran					
29	Impact Response and Damage Characteristics of Carbon Fibre Reinforced Aluminium Laminates (CARAL) under Low Velocity Impact Tests	B.Muthu Chozha Rajan, A.Senthil Kumar, T.Sornakumar and A.Saravana kumaar	<i>Materials Today: Proceedings</i>	2018	18	1	Sethu Institute of Technology
30	Investigations of Doping of Sn with Ag ₂ O as a Thin Film on Glass Plate for Morphological Studies	M. Jayachandran	Iranian Journal of Science and Technology, Transactions A: Science	2019	0	1	Sethu Institute of Technology
31	Neodymium doped on the manganese–copper nanoferrites: Analysis of structural, optical, dielectric and magnetic properties	K. Sakthipandi	Journal of Materials Science: Materials in Electronics	2019	63	1	Sethu Institute of Technology
32	Preparation, Characterization and Structure Prediction of In ₂ SnO ₃ and Spectroscopic (FT-IR, FT-Raman, NMR and UV-Visible) Study Using Computational Approach	M. Jayachandran	Journal of Nanoscience and Nanotechnology	2019	95	1	Sethu Institute of Technology
33	Protected reliable routing for MANET using bees algorithm	Dr.S.Ramesh	TAGA Journal	2018	0	1	Sethu Institute of Technology
34	Removal of heavy metals from waste water treatment using composite nanomaterials – A Review.	M. Jayachandran	Journal of Nanoscience Nanoengineering and Applications	2019	0	1	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
35	Study on optimum Utilisation of groundnut shell ash and cashew nut shell in concrete	R.Anandakumar	Caribbean Journal of Science	2019	29	1	Sethu Institute of Technology
36	Tunning of Metal-Insulator Phase Transition Temperature in $\text{La}_{0.3}\text{Ca}_{0.7}\text{MnO}_3$ Perovskite	K. Sakthipandi	Materials Letters,	2018	124	1	Sethu Institute of Technology
37	Water-Suspended Graphene as Electrolyte Additive in Zinc–Air Alkaline Battery System	K. Sakthipandi	Ionics,	2019	48	1	Sethu Institute of Technology
38	A Mexacarbate Electrochemical Biosensor on Carbon Materials Based on a Functionalized Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode	J. Tharini	International Journal of Electrochemical Science	2019	68	0	Sethu Institute of Technology
39	A novel design of Multilevel inverter with reduced switch topology for the integration of renewable energy sources	J.Rahila, Santhi. M	Journal of Electrical Engineering	2019	23	0	Sethu Institute of Technology
40	A Novel Hybrid DC-DC Converter with High Voltage Gain for Electric Vehicle Charging Systems	Sasiraja RM, Rajesh Kanna GR, Muthulakshmi K, Eswaran T, Prince Winston D & Praveen Kumar B	Journal of Electrical Engineering	2019	23	0	Sethu Institute of Technology
41	A study on copper slag as a replacement of fine aggregate with addition of red soil	K.Pandeeswari	International Journal of Advanced Research	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
42	A succinct study and analysis of smart manufacturing: IOT is driving the next industrial revolution	Ms.D. Rojaramani, Dr. S.Siva Ranjani, Ms. G. Rajalakshmi	Journal of Emerging Technologies and Innovative Research	2018	0	0	Sethu Institute of Technology
43	A survey Yoga enhanced CBT for stress reduction	Kanimozhi K & Raja Mohamed Rabi, B	International Journal of ChemTech Research IJCRGG, ISSN: 0974-4290, ISSN (Online):2455-9555	2018	0	0	Sethu Institute of Technology
44	A swarm intelligence based clustering technique with scheduling for the amelioration of lifetime in sensor networks	Guruprakash, B, Sukumar, R & Balasubramanian, C	Wireless Personal Communication, Springer	2018	48	0	Sethu Institute of Technology
45	Accident Analysis And Generating Accident Prediction Model For Madurai City	M.Jyothi	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
46	Accurate Classification of Cancer in Mammogram Images	M. Parisa Beham, R. Tamilselvi, A. Nagaraj	Springer Nature	2019	0	0	Sethu Institute of Technology
47	Adopting Security Checks In Business Transactions Using Formal-Oriented Analysis Processes For Entrepreneurial Students	Dr.P.Senthil Pandian	International Journal of Electrical Engineering & Education	2019	19	0	Sethu Institute of Technology
48	An Approach by Adopting Multi-Objective Clustering and Data Collection Along With Node Sleep	Guruprakash, B, Sukumar, R & Balasubramanian, C	Peer-to-Peer Networking and Applications Springer, 2019	2019	21	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
	Scheduling for Energy Efficient and Delay Aware WSN						
49	An Efficient Approach for Facial Recognition based on AAM and CNN	R. Rachel, S. Sridevi	International Journal of Pure and Applied Mathematics	2018	20	0	Sethu Institute of Technology
50	An Efficient Encoder Architecture Design for Cognitive radio Networks	D.Abitha Kumari, Dr. J Sutha	Journal of Wireless personal Communications, Springer	2018	0	0	Sethu Institute of Technology
51	An Efficient Melanoma Diagnosis Approach Using Integrated HMF Multi-Atlas map Based Segmentation	D.Roja Ramani, Dr.Siva Ranjani	Journal of Medical Systems	2019	63	0	Sethu Institute of Technology
52	An Emerging statistical analysis for solving big data problems using R tool	Ms. G. Rajalakshmi, Dr. S.SivaRanjani	International Journal of Research and Analytical Reviews	2018	0	0	Sethu Institute of Technology
53	An Experimental and Numerical Investigation on the Mechanical Properties of Addition of Wood Flour Fillers in Red Banana Peduncle Fiber Reinforced Polyester Composites'	Manimaran, P, Shadrach Jeyasekaran, A, Rajesh Purohit & Pitchayya Pillai	Journal of Natural Fibers	2018	20	0	Sethu Institute of Technology
54	An Experimental Study on Eco Friendly bricks	S.Vignesh Bharathi	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
55	An Experimental Study on Stabilization of Black cotton soil by using burnt brick dust	G.Vigneswari	International research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
56	An lot based weather monitoring system to prevent and alert Cauvery delta district of tamil nadu	R. Karthicka Devi	Springer Nature	2019	0	0	Sethu Institute of Technology
57	Analysing the effects of Industrial Effluents on Black cotton soil	K.Padmawathi	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
58	Analysis of OSA syndrome from PPG signal using CART-PSO classifier with time domain and frequency domain features	N. Kins Burk Sunil, R. Ganesan and B. Sankaragomathi	Computer Modeling in Engineering and Sciences	2019	58	0	Sethu Institute of Technology
59	Armored Modular and Non-Modular Vehicle A Survey	M. Sheik Dawood, A. Fardhan Ahmed, M. Jehosheba Margaret, C. Yesubai Rubavathi	International Journal of Engineering and Advanced Technology	2019	4	0	Sethu Institute of Technology
60	Automated Health Monitoring System for Premature Fetus	V.Karthick, B Rinoj, T Venish Kumar, A Manoj Prabakaran, P Selvaprasanth	Asian Journal of Applied Science and Technology	2019	0	0	Sethu Institute of Technology
61	Color-Textured Feature Based Image Retrieval Using Local Binary Pattern with Hyper_Plane Thresholding	C.Callins Christiyana, M.Mathinakani, M.Poomani@Punitha, K.Priyadharsini	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Sethu Institute of Technology
62	Comparison of Flipped Classroom Approach with Traditional Classroom Environment for Undergraduate Engineering Students	K.Kanimozhi, B.Raja Mohmed Rabi	<i>International Journal of Scientific Research and Engineering Development</i>	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
63	Damping, thermal, and mechanical analyses of polycarbonate/cerium oxide composites for structural applications	Karuppasamy R & Muralikannan, R	International Polymer Processing	2019	33	0	Sethu Institute of Technology
64	Design Fabrication and Control of a Hexapod Robot	Kanimozhi K & Raja Mohamed Rabi, B	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2019	9	0	Sethu Institute of Technology
65	Design of flexible pavement using plastic waste for sit sports village	M.Vignesh	SSRG International Journal of Civil Engineering	2019	0	0	Sethu Institute of Technology
66	Design of Low Power MPSoC Architecture using DR Method	R Karthick	Asian Journal of Applied Science and Technology	2019	0	0	Sethu Institute of Technology
67	Designing Of Prototype Slotless Permanent Magnet Bldc Motor With Halbach Array Using Ansys Software And Its Investigation	V.Kannan, M.Santhi,D.Suresh Kumar	Journal Of Electrical Engineering	2019	23	0	Sethu Institute of Technology
68	Detection and Classification of Exudates and Non-exudates in Retinal Images	R. Tamilselvi, M. Parisa Beham,A. Merline,V. Parthasarathy	Springer Nature	2019	0	0	Sethu Institute of Technology
69	Detection on Credit Card Scam Using Self Organization Approach with of Support Virtual Machine Model	R.Rubesh Selvakumar, V.Vivek, P.Senthil Pandian, S.Duraipandi, R.Rajaguru, B Sivananthan, S Sathish Kumar	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
70	Ecofriendly Decolorisation of Textile Waste water Using Natural Coagulants	P.Sasirekha	Asian Journal of Engineering and Applied Technology	2019	0	0	Sethu Institute of Technology
71	Effect of 200 MeV Ag ¹⁶⁺ Swift heavy ion irradiation on structural and magnetic properties of M-type barium hexaferrite	K. Sakthipandi	Materials Research Express	2020	21	0	Sethu Institute of Technology
72	Effect of Praseodymium on the Magnetic and Structural Properties of Barium Ferrites,	K. Sakthipandi and M. Sivabharathy	Physica B: Condensed Matter,	2019	98	0	Sethu Institute of Technology
73	Effective Implementation of Padlet ICT Tool for Engineering Education	M.Malathi, Gospeline Christiana, Sangeetha S	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Sethu Institute of Technology
74	Emotion Recognition based on Facial Components	P.Ithaya Rani, P & Muneeswaran, K	Sadhana Indian Academy of Sciences	2018	43	0	Sethu Institute of Technology
75	Enhancement in the antifungal activity of pure and Iron doped ZnO nanoparticles prepared in the absence of reducing agents	K. Sakthipandi	Journal of Inorganic and Organometallic Polymers and Materials	2019	40	0	Sethu Institute of Technology
76	Environmental Effects of a Single Cylinder DI Diesel Engine fuelled with non-edible Pongamia Biodiesel feedstock used for Agriculture	Muralidharan, K, Rajashankar, M, ArunBalasubramanian, K & Senthil Kumar, D	International Journal of Pure and Applied Mathematics	2018	20	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
77	Estimation of Face Pose Orientation Using Model-Based Approach	M. Annalakshmi, M. Parisa Beham	Springer Nature	2019	0	0	Sethu Institute of Technology
78	Evaluation of anticorrosive behaviour of ZnO nanotetra-pods on a AZ91-grade Mg alloy	K. Sakthipandi	Bulletin of Materials Science	2019	63	0	Sethu Institute of Technology
79	Experimental Investigation of Thermocrete Panel	S.Suresh	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
80	Experimental Investigation on Concrete by Using E-waste Plastic (Remote,TV etc)	D.Rebhekhal	Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
81	Experimental Investigation on concrete using Bamboo Fibre and Metakaolin	D.Rebhekhal	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
82	Experimental investigation on corrosion behavior of friction surfaced mild steel with aluminum alloy 5083-Cadmium composite	D. Prince Sahaya Sudherson,, P. Peter Anandkumar, G.R. Jinu,, K. Arun Balasubramanian, S.C. Vettivel	Materials Research Express	2019	21	0	Sethu Institute of Technology
83	Experimental Investigation on Normal Concrete by Adding Jute fiber as an admix	M.Suresh	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
84	Flexible Pavement Using Coconut Shell And Coir Fibre	M.Jyothi	International Journal of Emerging Technologies	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
			and Innovative Research				
85	Flexural Behaviour of RC beam using Aluminum powder	B.H.Ramathilagam	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
86	Flexural Behaviour of RC beam using Nylon fiber and Steel fiber	L.Kokila	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
87	Geospatial Approach In Change Detection Analysis of Water Body Encroachment Activities, Using Remote Sensing and GIS-(1990,2000,2015)	M. Krishnakumar	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
88	Green Energy: Modeling and Simulation of Thermoelectric Generator for Production of Electricity from Air Conditioner Waste Heat	K.Kanimozhi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Sethu Institute of Technology
89	HHFDS Heterogeneous hybridized fuzzy-based Dijkstra's multitask scheduling in WSN	Guruprakash, B, Balasubramanian, C & Sukumar, R,	Concurrency and Computation: Practice and Experience, WILEY-BLACKWELL	2018	60	0	Sethu Institute of Technology
90	High Resolution Image Scaling Using Fuzzy Based FPGA Implementation	R Karthick, A Manoj Prabakaran, P Selvaprasanth	Asian Journal of Applied Science and Technology	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
	Internet of Things based High Security Border Surveillance Strategy						
91	Identification of Ground Water Contamination Sources in City Environmental Using Remote Sensing and GIS	M. Krishnakumar	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
92	Identification of Train Movement through Sensor Signals for Unmanned Level Crossing	Y.Arockia Jesuraj, K.Hemalatha, V.Vijayaragavan	Journal of advanced research in dynamic and control system	2018	8	0	Sethu Institute of Technology
93	Impact of fuel injection advance on combustion and gas emissions in a TBC engine fuelled with Honge Biodiesel	Muralidharan, K, Rajashankar, M, ArunBalasubramanian, K & SenthilKumar, D	Ecology, Environment and Conservation Paper	2018	0	0	Sethu Institute of Technology
94	Improved efficiency of direct torque controlled induction motor drive by golden section method.	Jeyashanthi. J and SANTHI, M	Revista Facultad de Ingenieria	2019	10	0	Sethu Institute of Technology
95	Influence of high-velocity oxygen fuel spraying and plasma nitriding on microstructure properties of iron-nickel-chromium alloy using hybrid surface heat treatment	R Ganapathy Srinivasan, R Selvabharathi, S Palani and R Karuppasamy	<i>Materials Research Express</i>	2019	21	0	Sethu Institute of Technology
96	Intelligent System for Heart Disease Prediction	B.Ben Sujitha, R.Velumani,S.Dhanasekaran, K.Pradeep Mohankumar, D.Roja Ramani	Caribbean Journal of Science	2019	29	0	Sethu Institute of Technology
97	Internet of Things: A Research Oriented Introductory i	T.Sampradeepraj	International Journal of Adhoc and Ubiquitous	2018	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
			Computing				
98	Investigation Of Indoor Performance Of Dust Accumulation On Solar Photovoltaic Module	M. Palpandian	Journal of Electrical Engineering	2019	23	0	Sethu Institute of Technology
99	Investigation of tensile, flexural and impact properties of Neem-Indian almond hybrid fiber based epoxy composites	P S P Shankarganesh, R Muralikannan, R Selvabharathi and R Karuppasamy	<i>Materials Research Express</i>	2019	21	0	Sethu Institute of Technology
100	Micro Level Accident Prediction Modelling For Chennai City	S.Bharathi	SSRG International Journal of Civil Engineering	2019	0	0	Sethu Institute of Technology
101	Multi Response Optimization of Fabrication Parameters of Carbon Fiber-Reinforced Aluminium Laminates (CARAL): By Taguchi Method and Gray Relational Analysis	MuthuChozhaRajan, B, SenthilKumar, A, Sornakumar, T, Senthamaraikannan, P & Sanjay, MR	Polymer Composites	2019	73	0	Sethu Institute of Technology
102	Nano-structured Manganese promoted Ferrous Catalyst synthesized by inipient wetness impregnation method: Synthesis Characterization	M.Arul Jayan, S.S. Dawn, G.G. Vinoth Kumar,	Materials letters	2019	124	0	Sethu Institute of Technology
103	Neural Network Controlled Primitive Fault Analysis and Monitoring of Wind Turbine Gear Box	K.Kanimozhi	International Journal of Recent Technology and Engineering	2019	0	0	Sethu Institute of Technology
104	Optimized project planning and Scheduling of Multistorey Building	T.G.Ramkumar	International Research Journal of Engineering and	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
			Technology				
105	Performance Analysis of Nanoparticles in Healthcare and Biomedical Applications	R. Tamilselvi, M. Parisa Beham	Springer Nature	2019	0	0	Sethu Institute of Technology
106	Performance and Statistical Analysis of Chaotic Random Bit Generator	S. M. Seeni Mohamed Aliar Maraikkayar, R. Tamilselvi, M. Parisa Beham, A. Sabah Afroze	International Journal of Computer and Communication Engineering	2019	0	0	Sethu Institute of Technology
107	Performance of BFRP Wrapped Steel Shaft Subjected to tensile load	R Anandakumar	International Journal of Engineering and Technology	2019	20	0	Sethu Institute of Technology
108	Poly(o-phenylenediamine)-Multiwalled Carbon Nanotube Nanocomposite Based Electrochemical Sensing Platform for Paraquat Detection	J. Tharini	International Journal of Electrochemical Science	2019	68	0	Sethu Institute of Technology
109	PVA-doped NiNd _x Fe _{2-x} O ₄ nanoferrites: Tuning of dielectric and magnetic properties,	K. Sakthipandi	Journal of Magnetism and Magnetic Materials	2019	153	0	Sethu Institute of Technology
110	Recent progress, Open challenges and Approaches on Carbon-free Energy from Water Splitting	K. Sakthipandi	Nano Micro Letters	2019	34	0	Sethu Institute of Technology
111	Recognizing Face With Consecutive Occlusion Using Markov Chain	G.Rajeswari, P.Ithaya Rani	International Journal Of Innovative Technology And Creative Engineering	2018	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
112	Review on Applications of Internet of Things'	M.Sheik Dawood, M.Jehosheba Margaret, R.Devika	International Journal of Advanced Research in computer Engineering & Technology	2018	0	0	Sethu Institute of Technology
113	Role of X-Rays in Assessment of Bone Mineral Density—A Review	R.Tamilselvi, M.Parisa Beham	Springer Nature	2019	0	0	Sethu Institute of Technology
114	Self-powered IoT Node High Efficiency Solar Power Management Systems	T.Harish Babu, Mohamed Abdullah	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	34	0	Sethu Institute of Technology
115	Single DC Source Multilevel Inverter Based on Switched Capacitor with Minimum Number of Switches for Medium Power Applications	G.Soundra devi	International Journal of Electrical Engineering	2019	0	0	Sethu Institute of Technology
116	Single stage energy efficient solar power inversion using SBC Control	T.Harish Babu	Eleyon Engineering Reports	2018	0	0	Sethu Institute of Technology
117	Stabilization of Black cotton soil using coconut leaf ash	K.Padmawathi	International Research Journal of Engineering and Technology	2019	0	0	Sethu Institute of Technology
118	Stabilization of Black Cotton Soil Using Epoxy Resin	S.Bharathi	SSRG International Journal of Civil Engineering	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
119	Stabilization of clay soil using polypropylene and saw dust ash	M.Vignesh	SSRG International Journal of Civil Engineering	2019	0	0	Sethu Institute of Technology
120	Structural, morphological and optomagnetic properties of GO/Nd/Cu-Mn ferrite ternary nanocomposite	R. Rajesh Kanna	Ceramics International	2019	89	0	Sethu Institute of Technology
121	Structural, morphological and optomagnetic properties of La/Cu/Cu-Mn ferrites ternary nanocomposite	K. Sakthipandi	Journal of Electronic Materials	2019	87	0	Sethu Institute of Technology
122	Study of phase transition in Cu-doped La _{0.7} Sr _{0.3} MnO ₃ perovskite manganite materials by ultrasonic technique	K. Sakthipandi, M. Sivabharathy and A. Senthil Kumar	Materials Today: Proceedings	2019	18	0	Sethu Institute of Technology
123	Synthesis, characterization and computation of Potassium doped Calcium Hydroxide Nanoparticles and Nanotubes	K. Sakthipandi	International Journal of Mechanical & Production Engineering Research and Development	2019	9	0	Sethu Institute of Technology
124	The New Approach for Optimal Siting and Sizing of Multiple Distributed Generators using NSGA II	Sasiraja RM, Muthulakshmi K & Eswaran	Journal of Electrical Engineering	2019	23	0	Sethu Institute of Technology
125	Thermal degradation and lifetime estimation of polycarbonate–ceria composite for electronic applications	R Karuppasamy and R Muralikannan	<i>Materials Research Express</i>	2019	21	0	Sethu Institute of Technology
126	Treatment of Waste Water by Using Dragon Fruit Peel	P.Sasirekha	International Conference on Industry 4.0 & Advancements in Civil Engineering	2019	0	0	Sethu Institute of Technology

S.No.	Title of the paper	Name of the author	Title of the journal	Year of publication	h-Index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
127	Treatment of Waste Water from Dairy Industry by using Chemical and Natural Coagulants	P.Sasirekha	International Conference on Industry 4.0 and Advancements in Civil Engineering	2019	0	0	Sethu Institute of Technology
128	Trust Aware SVM Based Ids For Mitigating The Malicious Nodes In Manet	A.R.Rajeswari, K.Kulothungan, Sannasi Ganapthy, A.Kannan	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Sethu Institute of Technology
129	Use of Fly Ash and Plastic in Bricks	S.Bharathi	International Journal of Emerging Technologies and Innovative Research	2019	0	0	Sethu Institute of Technology
130	Wireless Biometric Data Protection in Pendrive	Dr. G. Narmadha, S. Deivasigamani and S. Sivaguru	Caribbean Journal of Science	2019	29	0	Sethu Institute of Technology
131	XSITRAY: A Database for the Detection of Osteoporosis Condition	S.M.Nazia Fathima, R.Tamilselvi and M.Parisa Beham	Biomedical and Pharmacology journal	2019	12	0	Sethu Institute of Technology

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

S.No.	Title of the Activities	Organising unit/agency/ collaborating agency	Number of teachers co-ordinated in such activities	Number of students participated in such activities
1	Swachh Bharat Summer Internship 2018	National Service Scheme	1	40
2	Rally on 'Plastic Free Environment' held at Madurai	National Service Scheme	350	4500
3	Institution level Pre-RD camp 2018	National Service Scheme	4	200
4	Tree Plantation	National Service Scheme	50	400
5	University level Pre-RD selection camp at AU regional campus Coimbatore	National Service Scheme	1	8
6	Blood Donation Camp	National Service Scheme	13	20
7	One day special camp for EPIC card	National Service Scheme	4	10
8	AIDS awareness program	National Service Scheme	4	50
9	General orientation program	National Service Scheme	4	400
10	South Zone PRE – RD Republic Day parade Selection camp 2018	National Service Scheme	NIL	1
11	Swachh Bharat Activity at college campus	National Service Scheme	50	400
12	State Republic Day parade-2019	National Service Scheme	NIL	1
13	Blood Donation Camp phase-2	National Service Scheme	13	20
14	General Medical camp	National Service Scheme	4	20
15	Club formation and orientation program on save electricity	Rotaract Club	5	100
16	4th installation program and awareness program on save electricity	Rotaract Club	8	200
17	Tree plantation at Velli Vethiar girls higher secondary school , Madurai	Rotaract Club	2	40
18	My little free library installation at Velli Veethiar girls higher secondary school , Madurai	Rotaract Club	2	40
19	Tree plantation at SIT	Rotaract Club	5	100

S.No.	Title of the Activities	Organising unit/agency/ collaborating agency	Number of teachers co- ordinated in such activities	Number of students participated in such activities
20	Social activity on “Servicing Tube lights and Fans” in Rajaji Government Hospital	Rotaract Club	3	35
21	“Save Electricity” at Mahirishi Vidyamandir Senior Secondary School, Madurai	Rotaract Club	2	30
22	Swachh Bharat Activity at Departement of CSE	Rotaract Club	5	50
23	Blood Donation Camp	Red Ribbon Club	3	150
24	AIDS awareness program	Red Ribbon Club	3	38
25	Blood Donation Camp phase-2	Red Ribbon Club	3	102
26	Rally on ‘Plastic Free Environment’ at Madurai	ECO CLUB	11	234
27	Event on “Young Environmental Talents(YET – 2018)” at Virudhunagar	ECO CLUB	2	33
28	Swachh Bharat Activity at ECE Department	ECO CLUB	2	50
29	Swachh Bharat Activity in Civil Block	ECO CLUB	2	38
30	Save Earth Tree plantation	ECO CLUB	2	38
31	Swachh Bharat Activity in Sports Village	ECO CLUB	11	234

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

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
1	Internship	Internship	Abservevtech Pvt Ltd, Madurai	09.08.2018	22.08.2018	M. Gayathri A. Ajith kumar S. Arockia Stephen Raj S. Gomathi Anfiya Begum J. B. AnjanaDevi K. Abarna A. Ajith Kumar

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
2	Internship	Internship	AimStorm, Madurai	11.08.2018	19.08.2018	Yuvameena JobinChriston Raj V Ashish Babu
3	Internship	Internship	AMOGAA PRODUCTS PVT LTD, MADURAI	04.06.2018	22.06.2018	BNIVETHA P.MANIRAJ L RAKSHANA A RANI R MANIMARAN
4	Internship	Internship	AMOGAA PRODUCTS PVT LTD, MADURAI	04.08.2018	18.08.2018	I MOHAMED ASIQ
5	Internship	Internship	APOLLO HOSPITALS, Madurai	01.08.2018	18.08.2018	A ANGELINE THELMA
6	Internship	Internship	Appin Technology Lab	06.08.2018	24.08.2018	E. Jersha Shirley
7	Internship	Internship	BSNL, Madurai	11.06.2018	23.06.2018	K. Sharmila S. Aishwarya Lakshmi M. Muthurasi P. Shirline Kiruba
8	Internship	Internship	Chrome Software Solutions	22.09.2018	31.12.2018	R.ManojSundar V. RaajMadhan Kumar K. Varadharajan Pillai Bhavani Uma Devi Thangavel B.Saranya T.Pradeep R.Raghuram P.Jegan Raj B.R.Kishore Kumar
9	Internship	Internship	Cream Line Diary Products	28.07.2018	14.08.2018	R.Sriraksha
10	Internship	Internship	Crystal Delta Solution	17.09.2018	13.10.2018	M.Subashini M. Parvathy
11	Internship	Cloud Computing	FyusionInfotech	13.08.2018	26.08.2018	PriyankaBharathi.K Shoba.R Vanisri.K Uma maheswari.M ThoulathNisha.A
12	Internship	Development Team	FyusionInfotech	30.07.2018	05.08.2018	Gurusath.P Vijayapandian SoundaraRajan.R Ramprasath.P.K Naganathan.B Naveen Kumar.S
13	Internship	Internship	HCL Training and Staffing Services Pvt Ltd, Madurai	02.07.2018	07.07.2018	K. K. Gowsalya R. Preethi S. DeepaShri

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
14	Internship	Internship	Jad Focus	11.06.2018	30.06.2019	R.Swarnalatha
15	Internship	Internship	Phoenix Softech, Madurai	04.08.2018	23.08.2018	M. Harish B. Jegatees Kumar B. JeyaPandian
16	Internship	Internship	Phoenix Softech, Madurai	06.08.2018	24.08.2018	C. Nivedha Taj Sanofer V. Princy Cyndhia B. Narmadha
17	Internship	Internship	Phoenix Softech, Madurai	08.08.2018	25.08.2018	S. Meenu T. Sivamalan M.S. Poorna Sree
18	Internship	Internship	PHOENIX SOFTECH, Madurai	08.08.2018	25.08.2018	T NIVETHA PUSHPAM M LAKSHMI DEEPIKA M MUTHUMARI
19	Internship	Internship	Phoenix Softech, Madurai	06.08.2018	24.08.2018	P. Irul Raja S. Sivasankaran B. Kishore S. Jothi Basu T. ArunKumar N. Gokula Kannan M. Josiah
20	Internship	Internship	PHOENIX SOFTTECH, Madurai	10.08.2018	26.08.2018	M MADHUMATHI
21	Internship	Internship	PHOENIX SOFTTECH, Madurai	10.08.2018	26.08.2018	R S RAJESH KUMAR S RAM PRASATH S MOHAMMED UMAR FAROOK R PITCHAIMANI B KARTHICK RAJA
22	Internship	Internship	PHOENIX SOFTTECH, Madurai	10.08.2018	26.08.2018	S PRAVEEN P KARTHIKEYAN SAHAYA ANGEL SARANYA.A B LOGESH KUMAR M KARTHIKEYAN
23	Internship	Internship	Polygon Chemicals Pvt.Ltd,Mumbai	02.08.2018	17.08.2018	Abhijith shaji.R Ajay.V L.Muhammed shahid
24	Internship	Internship	PrEl's Biotech India Pte ltted ,Velachery,Chennai	07.02.2019	08.04.2019	Sumithra.K Alisha S.K Saraswathi.P

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
25	Internship	Internship	PS Infotech, Madurai	09.08.2018	23.08.2018	M. Sathishkumar M ARCHANA SHRE M.Vigneshwaran B.Vignesh L.Vasantha Rani R. Vaishu P. Vinithkumar
26	Internship	Internship	Q2M Technologies, Madurai	30.07.2018	03.08.2018	P. Sakthi
27	Internship	Internship	SDR Packaged Drinking Water	10.08.2018	25.08.2018	T.Maria thersha
28	Internship	Internship	Silicon Software Services	09.08.2018	18.08.2018	L.Abirami Ayisha.G Atshaya.G Anusuya A AnuNatchiyar Angayarkanni.R.S
29	Internship	Internship	Silicon Software Services, Madurai	13.08.2018	26.08.2018	C. Archa Cletus S. Jamuna Devi S. Jameen Aproz
30	Internship	Internship	Silicon Software Services, Madurai	30.07.2018	03.08.2018	P. Ureka B.Vignesh S. Suresh Kanna
31	Internship	Internship	Silicon Software Services, Madurai	30.07.2018	03.08.2018	P. Vinithkumar S. Subash Kanna J. Swetha K. Seetha Lakshmi V. Rathinakumar
32	Internship	Internship	Silicon Software Services, Madurai	31.07.2018	04.08.2018	R. Tharani B. Thamarai Selvi S. Sujitha K. Sriram V. Shalini
33	Internship	Internship	Silicon Software Services, Madurai	13.08.2018	26.08.2018	K KANAGA G NAGALAKSHMI D PADMAPRIYA
34	Internship	Internship	Silicon Software Services, Madurai	31.07.2018	04.08.2018	D.Shaliny Grace D. Shinny Joy
35	Internship	Internship	SIM Infosystems ,Chennai	17.01.2019	13.03.2019	Mohammed rowyub.K Mohammed wazil asfer.M

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
36	Internship	Internship	SMARTANT TECHNOLOGIES PVT LTD, Chennai	06.08.2018	21.08.2018	ARTHI A SOUNDHARYA.G SHABREEN FATHIMA.T YAMUNA RAJASHREE.M VAISHNAVI.S
37	Internship	Internship	SMARTANT TECHNOLOGIES PVT LTD, Chennai	06.08.2018	21.08.2018	N. Janani B. Lalilathambigai K. Hema Varthini N. Krithika S. Jeya Barathi R. Jeyasri M. Abdul Ajeez A. Muthu Krishnavel M. Manibalan
38	Internship	Internship	SMARTANT TECHNOLOGIES PVT LTD, Chennai	06.08.2018	21.08.2018	VIGNESH P S SATHIYA PANDIYA LAKSHMI SOBANA T SHOPIKA T SHOBANAA P A. Abrar Ahmed A. Arockia Jabamali Eldsin
39	Internship	Internship	SMARTANT TECHNOLOGIES PVT LTD, Chennai	06.08.2018	24.08.2018	M. Muthu Ramya V.S. Mithra
40	Internship	Internship	SMARTANT TECHNOLOGIES PVT LTD, Chennai	06.08.2018	21.08.2018	R. Akash, J. Bakrudeen S.S. Hemapriya P. Nareshkumar A. Nagamalar V. Hariram Prasath
41	Internship	Internship	Specified Rubbers Pvt.Ltd,Kottayam	08.08.2018	23.08.2018	K.Santhiya Kuloosoon R.Sathish Kumar M.Surya K.Nithish Kumar
42	Internship	Internship	Thangam Plastics,Kanyakumari	09.08.2018	25.08.2018	V.Vijila
43	Internship	Internship	UNIQ Technologies, Madurai	04.08.2018	17.08.2018	A. Antony Rohit K. Brindha R. Gokul
44	Internship	Internship	UNIQ Technologies, Madurai	09.08.2018	18.08.2018	R. Tharani
45	Internship	Internship	UNIQ Technologies, Madurai	21.08.2018	23.08.2018	M.karthik Pandi

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
46	Internship	Internship	VADAMALAYAN HOSPITALS[P] Ltd, Madurai	13.08.2018	18.08.2018	M MUTHUMARI M LAKSHMI DEEPIKA A NIVETHA K PRIYA DHARSHINI
47	Internship	Internship	Zerone Software Solution, Madurai	31.07.2018	04.08.2018	A. Priaytharshini
48	Internship	Internship	Zoho	04.06.2018	04.08.2018	K.Amaravathi
49	on-the-job training	on-the-job training	Buddy Health care	10.12.2018	13.03.2019	Sethu Hari Piriya.P
50	on-the-job training	on-the-job training	Digi Innovation	15.10.2018	15.04.2019	Ram Kumar G
51	on-the-job training	on-the-job training	Fyusion Infotech	05.01.2019	30.04.2019	Nagarjan P.G
52	on-the-job training	on-the-job training	Jad focus	05.06.2018	05.06.2019	Vijay.V Sandhya.G
53	on-the-job training	on-the-job training	Lucid Imaging	03.01.2019	31.03.2019	Sharmila D.S
54	on-the-job training	on-the-job training	Solaritis	02.01.2019	31.03.2019	Harini A Dinesh Kumaran N
55	on-the-job training	on-the-job training	Zoho	04.06.2018	03.08.2018	Anguchamy P
56	on-the-job training	on-the-job training	Zoho	04.06.2018	21.06.2018	Sonaimuthu.S
57	on-the-job training	on-the-job training	Zoho	10.12.2018	31.04.2019	Anguchamy P
58	on-the-job training	on-the-job training	Zolipe Solutions	10.09.2018	11.12.2018	Gayathri R
59	Final year Project Work	Project Work	ACC Limited,Mattukarai, Coimbatore	01.01.2019	01.04.2019	Jeyapaul.K Ragunathraja.R Prakash.B
60	Final year Project Work	Project Work	Agria Agro Tech , Kappalur ,Madurai	01.01.2019	01.04.2019	Asmoth R

S.No	Nature of linkage	Title of the linkage	Name of the partnering institution / industry / research lab with contact details	Duration From	Duration To	Participant
61	Final year Project Work	Project Work	Bharath Rubber (India) Ltd., Madurai	02.01.2019	28.03.2019	V. Palanivelrajan S. Hariram R. Muthupandi
62	Final year Project Work	Project Work	CETEX Petrochemicals Ltd ,Manali,Chennai	01.01.2019	01.04.2019	Sudharsan.V Vijayakumar.M Esakki E Elango.E Durairaj.T Arivukarasan.D Muthukumar M Jeenath raj M.R
63	Final year Project Work	Project Work	JK Fenner, Madurai	02.01.2019	28.03.2019	B.Suryanarayanan K.Suriya Prakash S.Suryavignesh
64	Final year Project Work	Project Work	Jothi Electricals, Madurai	02.01.2019	28.03.2019	S. Arun Kumar M. Ashok Ganesh M. Ganesh Kumar
65	Final year Project Work	Project Work	The Travancore – cochin chemicals ltd, Kochi, Kerala	01.01.2019	01.04.2019	Sethupathi.C Vinothkrishna.S
66	Guest Lecture	Guest Lecture	Grand solar Pvt. Ltd., Chennai	12.10.2018	12.10.2018	II,III & IV year Students
67	Guest Lecture	Guest Lecture	Re-evolve Training and solutions, chennai	19.02.2019	19.02.2019	II,III & IV year Students
68	Training	Training	Megh Neel Renewable Power System Private Limited, Coimbatore	27.11.2018	29.11.2018	Mr.V.Kannan

4.2.3 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

S.No.	Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
Mechanical Engineering				
1	Dr.C.Kailasanathan	Introduction to Finite Element Analysis (Video)	www.youtube.com/user/sethumedia/videos	01.03.2019
2	Mr.Meenatchisundaram	Operation Research (Video)	www.youtube.com/user/sethumedia/videos	01.03.2019

S.No.	Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
3	Dr.Muthusamy	Laws of Engineering Thermodynamics	www.youtube.com/user/sethumedia/videos	01.03.2019
Computer Science Engineering				
5	Dr.C.Callins Christiyana	Automata Theory	ELUCIDAT	17.06.2019
6	Mr.N.Alangudi Balaji	Programming Languages	SNAP OF LECTORA	16.05.2019
7	Mr.K.Sathish Kumar	Cryptography	EASY GENERATOR	08.05.2019
8	Mr.G.Vaira Suganthi	Normalization	SCREEN CAPTURER	24.05.2019
9	Mr.B.Sivananthan	Internet Storage Management	KAHOOT	05.06.2019
Electrical & Electronics Engineering				
1	Dr.R.M.Sasiraja Dr.s.Vijayarajan Mr.Karthikeyan	Electric Energy Utilization	Google Classroom	30.06.2018
2	Mr.Pal pandian	Applied Soft computing	Google Classroom	26.06.2018
		Semiconductor Devices & circuits	Google Classroom	27.06.2018
3	Dr.K.Kanimozhi	Electric Drives and Control	Google Classroom	04.06.2018
4	Dr.R.M.Sasiraja	Energy Storage System	Google Classroom	02.01.2019
6	Mr.M.Palpandian	Analog Integrated Circuits	Google Classroom	02.01.2019
7	Mr.M.Palpandian	Solar power plant	Google Classroom	02.01.2019
8	Mr.M.Palpandian Mr.M.Ramuvel	Semiconductor Devices & circuits	Google Classroom	03.07.2019
10	Ms.K.Elavarasi	Environmental Science Engg	Google Classroom	03.07.2019
11	Dr.s.Vijayarajan Mrs.J.Rahila	Electric Energy Utilization	Google Classroom	03.07.2019
12	Dr.R.M.Sasiraja Ms.C.Sonia	Power System Operation and Control	Google Classroom	03.07.2019
Information Technology				
1	D.Roja Ramani	Video Lecture	Python	13.02.2019
2	G.Rajalakshmi	Video Lecture	HTML	13.02.2019

S.No.	Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
3	P.Pabitha Muthu	Video Lecture	"C"	20.02.2019
4	K.Krishnaveni	Video Lecture	Wix	13.02.2019
5	P.Manoj Kumar	Video Lecture	Python	20.12.2018
6	M.Prabhanandha kumar	Video Lecture	Android	29.03.2018

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

Year	No. of students enrolling into higher education	Name of the student enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018	2	Rubesh C Priyadharshan B	B.E.	MECH	S Vellaichamy Nadar College	MBA
2018	1	Vibin Nicholas R	B.E.	MECH	Thiagarajar College of Engineering	ME Industrial Engineering
2018	1	Venkatesh Pandiyan R	B.E.	MECH	Madurai Kamaraj University	MBA -Human Resource Management
2018	1	Muralikrishnan.R	B.E.	MECH	Singapore University of Technology and Design	Junior Research Fellow
2018	1	Priyadharshini P	B.E.	CSE	Illinois Institute of Technology	Master of Computer Science
2018	1	K.Bavani	B.E.	CSE	Thiagarajar College of Engineering	M.E
2018	1	Muhammed Iqbal	B.E.	CSE	BSA Abdur Rahman University	MBA
2018	1	Manisha S	B.E.	CSE	Alagappa university (Alagappa Institute of Management)	MBA
2018	1	Aarthi Pooja.M	B.E.	CSE	The Gandhigram Rural Institute	M.Tech

Year	No. of students enrolling into higher education	Name of the student enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018	1	Jeyakarthick.K	B.E.	CSE	RL Institute Of Management Studies	MBA
2018	6	S.Vincy Infana Vijaya Lakshmi.S Shankar.V Merlinfreeda V Dhwarithaa.R Saranya.S	B.E.	CSE	Sethu Institute of Technology	M.E.
2018	1	Manisha.S	B.E.	CSE	Alagappa	MBA
2018	1	Shanumugapriya.S	B.E.	ECE	Thiagarajar College of Engineering	M.E
2018	1	M.Sangeetha	B.E.	ECE	Sri Meenakshi Government Arts College for women	MBA
2018	1	Sharon Evangelin D	B.E.	ECE	RL Institute of Management	MBA
2018	8	Fuzail Yusuf.FR.Karthick Gurumanikandan R Vinitha@ Gayatheri.V Vinitha.M Syed Ali Fathima.B Nazmunisha.N Suba Nandhini N	B.E.	ECE	Sethu Institute of Technology	M.E
2018	1	Kasthuri P	B.E.	EEE	Sethu Institute of Technology	ME
2018	1	Bavatharini R	B.E.	EEE	Vivekanandha Institute of Information Management Studies	MBA
2018	1	Mohamed Fahim	B.E.	EEE	PSG College of Technology	MBA
2018	1	Sailalith M	B.E.	EEE	Deakin University Public university in Geelong, Australia	MBA

Year	No. of students enrolling into higher education	Name of the student enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018	1	Anisha Nazeerin	B.E.	EEE	Sethu Institute of Technology	M.E PED
2018	1	Persiavarshini S	B. Tech	IT	Sethu Institute of Technology	ME CSE
2018	1	Subathra P	B. Tech	IT	Kalasalingam Academy of Research and Education	MBA
2018	1	Reeves Ruban R	B. Tech	IT	Rajalakshmi Engineering College	MBA
2018	1	Vignesh Kumaran N	B. Tech	IT	MEPCO Schlenk Engineering College	ME CSE
2018	1	Kaliraj N	B.E.	CIVIL	MEPCO Schlenk Engineering College	ME Structural Engineering
2018	1	Santhoshraj M	B.E.	CIVIL	National Institute of Construction Management Research	PGP ACM
2018	5	Kalidass S Sasi Ishwarya T Sathish Kumar U Senthil Kumar P Venukumari P	B.E.	CIVIL	Sethu Institute of Technology	ME Structural Engineering

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

Date	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.)
17.04.2018	Mr.B.Muthu Chozharajan	Workshop programme STTP on Composite Structure, Mepco Engineering College, Sivakasi	Nil	1500

Date	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.)
17.04.2018	Mr.A.Saravana Kumar	Workshop programme STTP on Composite Structure , Mepco Engineering College, Sivakasi	Nil	1500
09.05.2018	Ms.K.Elavarasi	International Conference on Innovtions in Engineering and Industrial Application 2018, K.L.N College of Engineering, Madurai	Nil	1500
09.05.2018	Ms.V.Vaishnavi	International Conference on Innovtions in Engineering and Industrial Application 2018, K.L.N College of Engineering, Madurai	Nil	1500
27.06.2018	Ms.R.Sumitha	Workshop on enabling High Performance Computing in cloud, Thiyagarajar College of Engineering, Madurai	Nil	1000
03.07.2018	Ms.C.Parameswari	Workshop programme in Deep using AI, K.L.N College of Engineering, Madurai	Nil	1200
03.07.2018	Ms.M.M.Yamunadevi	Workshop programme in Deep using A1, K.L.N College of Engineering, Madurai	Nil	1200
03.07.2018	Ms.K.Krishnaveni	Workshop programme in Deep Learning using AI, K.L.N College of Engineering, Madurai	Nil	1200
26.07.2018	Dr.A.Senthilkumar	PFMS Workshop Registration Fee, V.H.N.S.N College, Virudhunagar	Nil	2250
28.11.2018	Mr.S.K.A Ahamed kandu sahib	Sem and tem basics and applications, Anna university, Chennai	Nil	2000
06.12.2018	Dr.R.Meena Prakash	FDP on Antenna Design and Training Programme, Mepco Engineering College, Sivakasi	Nil	1200
06.12.2018	Dr.A.Yasodai	FDP on Antenna Design and Training Programme, Mepco Engineering College, Sivakasi	Nil	1200

Date	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.)
06.12.2018	Dr.R.Tamil Selvi	International Conference on computer vision,Graphics & Image Processing IIIT, Hyderabad	Nil	1500
06.12.2018	Dr.M.Parisa Beham	International Conference on computer vision,Graphics & Image Processing IIIT, Hyderabad	Nil	1500
07.12.2018	Mr.B.Karthikeyan	Energy Conclave Programme, Thiyagarajar College of Engineering, Madurai	Nil	1500
15.12.2018	Ms.G.Soundra Devi	International Conference AISGSE - 2019, PSG College of Engg & Technology, Coimbatore	Nil	1500
15.12.2018	Ms.J.Jeyeshanthi	International Conference AISGSE - 2019, PSG College of Engg & Technology, Coimbatore	Nil	1500
10.01.2019	Mr.M.Ramuvel	International Conference on Exploring Nano Structure for Enhanced Power conversion, GRI Deemed University, Dindigul	Nil	1500
26.03.2019	Mr.S.K.A Ahamed kandu sahib	Trends in Microwave Electronics for defence application, Thiyagarajar College of Engineering, Madurai	Nil	1000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From Date	To Date	Number of participants (Teaching staff)	Number of participants (Non-Teaching staff)
2018	Project Management Tool Training using Primavera P6.R16.2		23.07.18	26.07.18	13	
2018	Train the Trainer Workshop on Data Visualization		25.07.18	27.07.18	2	
2018	Embedded system & its design		28.09.18	28.09.18	35	
2018	Effective usage of Power Quality Analyzer		27.10.18	27.10.18	35	
2018	Two days Workshop on " Intellectual Property Rights"		08.11.18	09.11.18	11	
2018	Five Days Hands on FDP on Machine learning Using Python		26.11.18	30.11.18	26	
2019	One day workshop on "Art of writing project proposal"		10.01.19	10.01.19	2	
2019	Entrepreneurship Awareness Camp (EAC)		02.01.19	04.01.19	1	
2019	Outcome based Education		22.01.19	22.01.19	30	
2019	One day workshop on " The Role of IPR in Innovation Management and Academic- Industry Collaboration"		07.02.19	07.02.19	9	
2019	2 days National Workshop on Theory and Practice of XRD and SEM		30.05.19	30.05.19	2	

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From Date	To Date	Number of participants (Teaching staff)	Number of participants (Non-Teaching staff)
2018		Workshop On Software Installation And Hardware Maintenance	31.08.18	31.08.18		10
2019		Network And System Assembling	31.01.19	31.01.19		13
2019		Android Installation	27.05.19	27.05.19		12

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

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
1	Advance Energy Engineering And Technology	Mr. G. Venkatesan	02.06.2018	06.06.2018	5
2	Design of Machine Elements	Dr. G.Pitchayya Pillai Dr. K. Arun Balasubramanian	06.06.2018	12.06.2018	7
3	Writing Research Papers	Mr. A. Saravana Kumaar Mr.B Muthu chozharajan	29.06.2018	30.06.2018	2
4	Faculty Development Programme on Advanced Concrete Technology (NPTEL-AICTE Online Course)	Ms.K.Pandeeswari Ms.V.Saranya Ms.R.Banupriya Ms.P.Sasirekha Ms.K.Dhivya	01.07.2018	31.10.2018	14
5	Faculty Development Programme on Wastewater Treatment and Recycling	Ms.P.Sasirekha Ms.R.Banupriya	01.07.2018	31.10.2018	14

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
6	FDP on Introduction to smart grids (NPTEL-AICTE Online Course)	Dr.A.Srinivasan Dr.S.Nagalakshmi Dr.R.M.Sasiraja	01.07.2018	31.10.2018	14
7	Research Challenges in Terahertz wave Technology	A.Manoj Prabakaran Helina Rajini Suresh G.Ramupriya, A.Yasodai B.Muthu Pandian B.Michael Vinoline D.John Pragasam	12.07.2018	13.07.2018	2
8	Research Challenges in Terahertz wave Technology	M.Ameena Banu N.R.Indira, N.KayalVizhi M.Sheik Dawood M.Ramakrishnan M.Jehosheba Margaret M.Charanya M.Fathu Nisha	12.07.2018	13.07.2018	2
9	Research Challenges in Terahertz wave Technology	N.Sathiyathan R.Karthick, R.Devika R.Abdul Sikkandhar P.Selva Prasanth P.S.Sharan Shree P.Murugeswari P.Deepa	12.07.2018	13.07.2018	2
10	Research Challenges in Terahertz wave Technology	R.Meena Prakash V.Parathasarathy T.Venish Kumar R.Tamilselvi, V.Karthik R.Sivaranjani	12.07.2018	13.07.2018	2
11	ICMR Sponsored Two days National level Workshop on Artificial Intelligent Techniques and its Application in Medical Diagnosis	Ms.M.Mathinakani	13.07.2018	14.07.2018	2
12	VLSI Design for Wireless Communication	A.Yasodai M.Charanya M.Ameena Banu Helina Rajini Suresh G.Ramupriya D.John Pragasam	19.07.2018	20.07.2018	2

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
13	VLSI Design for Wireless Communication	M.Fathu Nisha P.S.Sharan Shree P.Murugeswari N.R.Indira, N.Kayalvizhi M.Jehosheba Margaret M.Ramakrishnan	19.07.2018	20.07.2018	2
14	VLSI Design for Wireless Communication	P.Selva Prasanth V.Karthik R.Meena Prakash R.Karthick, R.Devika	19.07.2018	20.07.2018	2
15	VLSI Design for Wireless Communication	M.Fathu Nisha P.S.Sharan Shree P.Murugeswari N.R.Indira, N.Kayalvizhi M.Jehosheba Margaret M.Ramakrishnan	19.07.2018	20.07.2018	2
16	Officers Training Program 2018, Toastmasters International	Ms.M.Sanmugapriya	21.07.2018	21.07.2018	1
17	Training Program on Project Management Tool Training using Primavera P6.R16.2	Dr.R.Kumutha Ms.S.Bharathi Mr.A.M.Arun Mohan Ms.L.Kokila Mr.M.Suresh Mr.M.Krishna Kumar Mr.M.Vignesh, Dr.K.Vijai	23.07.2018	26.07.2018	4
18	Training Program on Project Management Tool Training using Primavera P6.R16.2	Ms.V.Saranya Mr.M.NishanthPremhar Mr.T.G.Ramkumar Ms.G.Vigneswari Mr.P.Rajeswaran	23.07.2018	26.07.2018	4
19	Train the Trainer Workshop on Data Visualization	Ms.P.Krishnaveni	25.07.2018	27.07.2018	3
20	Emerging Trends in Automotive Sector	Mr. K. Vinayagar Mr.S.Paramasamy	24.08.2018	24.08.2018	1
21	Faculty Development Programme on Outcome Based Pedagogic Principles for Effective Teaching (NPTEL-AICTE Online Course)	Dr.R.Kumutha	27.08.2018	21.09.2018	7

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
22	One Week FDP on Free/Open source software for Artificial Intelligence and Machine learning	Ms.M.Mathinakani	01.10.2018	06.10.2018	6
23	Orientation Programme on "Digital Education"	All Department Newly joined Faculty	06.10.2018	06.10.2018	1
24	Entrepreneurship Awareness Camp (EAC)	Mr. K. Peer Mohamed	24.10.2018	26.10.2018	3
25	Design and Development of MOOCs	Ms.D.Abitha Kumari Ms.S.Selvi	08.11.2018	08.11.2018	1
26	Two days Workshop on "Intellectual Property Rights"	Dr.P.Ithayarani Mr.B.Guruprakash Dr.T.Sampradeepraj	08.11.2018	09.11.2018	2
27	National Workshop on Intellectual Property Rights	Mr.A.M.Arun Mohan Mr.P.Rajeswaran Ms.S.Bharathi	08.11.2018	09.11.2018	2
28	FDP on circuit analysis	Mr.K.Kalanithi	10.11.2018	24.11.2018	15
29	Entrepreneurship	Mr. M.Palpandian Mrs.R.S.Bharathi Mrs. J.Jeyashanthi Mrs.K.Elavarasi	12.11.2018	24.11.2018	13
30	FDP/Analog integrated circuits	Mr.T.Harish Babu	12.11.2018	24.11.2018	13
31	ICMR Sponsored Seven days National Workshop on "Deep Learning Applications in Medical Imaging"	Dr.R.Rubesh Selvakumar Ms.G.Vaira Suganthi	14.11.2018	20.11.2018	7
32	Train The Trainer on Agile Methodology	Ms.M.Mathinakani Ms.B.Pandeeswari	22.11.2018	24.11.2018	3
33	Five Days Hands on FDP on Machine learning Using Python	Dr.C.Callins Christiyana Ms.B.Pandeeswari Ms.M.Mathinakani Ms.A.Senthil Selvi Ms.K. Priyadharsini Dr.R.Rubesh Selvakumar Dr.P.SenthilPandian Dr.M.Malathi Ms.D.Abitha Kumari Mr.N.Alangudi Balaji	26.11.2018	30.11.2018	5

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
34	Five DaysHands on FDP on Machine learning Using Python	Mr. K. Peer mohamed Ms.M.Sanmugapriya Mr.B.Sivananthan Mr.S.Durai Pandi Ms.V.Vijaya Priya Ms.T.Punitha Mr. S. Sathish Kumar	26.11.2018	30.11.2018	5
35	Five DaysHands on FDP on Machine learning Using Python	Ms.G.Vaira Suganthi Ms.S.Sangeetha Mrs.S. Gospline Christiana, Ms.S.Selvi Ms.S.Priyadharsini Mr.T.Siva, Dr.V.Vivek Mr.B.Guruprakash M.S.Meenakshi	26.11.2018	30.11.2018	5
36	Java Fundamentals and Java Programming	Mr.K.Sathish Kumar	26.11.2018	30.11.2018	5
37	Train the Trainer Workshop on Data Visualization	Ms.S.Selvi	26.11.2018	30.11.2018	5
38	Ansys software applications on Permanent Magnet Brushless DC Motor	Mr.V.Kannan	27.11.2018	29.11.208	3
39	Wireless and Mobile Communication	M.Ameena Banu S.Anusuya S.Amalarpava Mary Rajee, P.Deepa	03.12.2018	07.12.2018	5
40	FDP on Electro magnetic fields	Mr.R.Mohammed Abdullah	03.12.2018	15.12.2018	13
41	AICTE-ISTE Sponsored One Week Short – Term Course on Smart Materials and Structures	Ms.K.Jeyagandhi	03.12.2018	08.12.2018	6
42	Entrepreneurship	Mr.Syed Abdul Haq Mrs.V. Hema Maheswari Mrs. R.C.Dhivya @Ramchella	10.12.2018	22.12.2018	13
43	FDP in Entrepreneurship	Mr. V.Anthony Sahaya Balan	10.12.2018	22.12.2018	13

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
44	FDP on Circuit Analysis	Dr. G. Narmadha Ms.P.K.S.Suvitha Babu Mrs.V.Vaishnavi Mr. M.Ramuvel	10.12.2018	21.12.2018	13
45	AICTE Sponsored QIP- Short term Course on " Deep Learning: Theory & Practice"	Dr.C.YesubaiRubavathi Dr.P.Ithayarani	12.12.2018	17.12.2018	6
46	Antenna Design and Training	R.Meena Prakash	17.12.2018	21.12.2018	5
47	Embedded System Design with Open Source Hardware & software –A hands on Approach	B.Michael Vinoline Rinoj R.Abdul Sikkandhar C.S.Karthikeyan B.Muthupandian	17.12.2018	21.12.2018	5
48	Energy Conclave	Dr.A.Srinivasan Mr. B.Karthikeyan Dr.B.Meenakshi Sundaram	17.12.2018	19.12.2018	3
49	Emerging Technologies on Nano Materials for Energy Conversion and Storage Applications	Dr.K.Kanimozhi	20.12.2018	20.12.2018	1
50	FDP/Inteligent electric power grid	Dr. S. Vijayarajan Mr.C.Shiva	28.12.2018	29.12.2018	2
51	Intelligent Electric Power Grid	Mr.C.Shiva	28.12.2018	29.12.2018	2
52	Faculty Development Programme on Electronic Waste Management Issues and Challenges (NPTEL-AICTE Online Course)	Ms.P.Sasirekha Ms.D.Rebekhal Ms.V.Saranya Mr.S.VigneshBharthi Ms.K.Pandeeswari	01.01.2019	28.02.2019	7
53	Faculty Development Programme on Geosynthesis& Reinforced Soil Structure (NPTEL-AICTE Online Course)	Ms.K.Padmawathi	01.01.2019	30.04.2019	14
54	FDP on "The Joy of Computing Using Python" (NPTEL-AICTE Online Course)	Ms.M.Mathinakani	01.01.2019	30.04.2019	14
55	Entrepreneurship Awareness Camp (EAC)	Mr. K. Peer Mohamed	02.01.2019	04.01.2019	3
56	Productive tools for writing journals and articles	Mrs.S.Rohini Ms.C.Sonia	07.01.2019	08.01.2019	2

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
57	5 days Industrial Training on Firewall8.1 "PAN OS 8.1"	Mr.I.Noor Mohamed	07.01.2019	11.01.2019	5
58	Smart Grid and Distributed Generation Technologies	Mrs.G.Soundra devi Mrs.J.Rahila	07.01.2019	11.01.2019	5
59	Network Simulation using NS-2 and NS-3	Mr.N.Alangudi Balaji	07.01.2019	11.01.2019	5
60	One day workshop on " Art of writing project proposal"	Dr.A.Rajeswari Dr.S.Subashini Dr.M.Malathi Dr.T.Sampradeepraj	10.01.2019	10.01.2019	1
61	Art of writing Project Proposal	Dr.K.Kanimozhi	10.01.2019	10.01.2019	1
62	Workshop on “ Effective Mentoring in NPTEL Online Course”	Ms.M.Sanmugapriya	18.01.2019	18.01.2019	1
63	Public Key Infrastructure: Creating Trusted Environment	Dr.T.Sampradeepraj	22.01.2019	23.01.2019	2
64	Internet of Things Using Raspberry Pi	Dr.A.Rajeswari	26.01.2019	28.01.2019	3
65	AICTE – QIP Sponsored one week Short term Course on “Deep Learning for visual Computing	Ms.S.Selvi	28.01.2019	03.02.2019	7
66	FDP on "Deep Learning for Visual Computing"	P.Deepa, S.Amalarpava Mary Rajee R.Abdul Sikkandhar R.Karthika Devi	28.01.2019	03.02.2019	7
67	Faculty Development Programme on “Big Data Computing” (NPTEL-AICTE Online Course)	Mrs.S. Gospline Christiana Ms.S.Sangeetha	01.02.2019	30.04.2019	14
68	Faculty Development Programme on “cloud computing” (NPTEL-AICTE Online Course)	Ms.K.Nithya Ms.V.Vijaya Priya Ms.S.Priyadharsini Mr.S.Sathish Kumar Mr.B.Sivananthan Ms.S.Meenakshi Dr.S.Subashini	01.02.2019	30.04.2019	14

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
69	Teaching and Learning in Engineering (TALE) (NPTEL-AICTE Online Course)	Ms.G.Vaira Suganthi	01.02.2019	30.03.2019	7
70	One Week short term course on " Data Science for Internet of things"	Dr.A.Rajeswari Ms.K.Nithya Dr.S.Subashini	04.02.2019	09.02.2019	6
71	One day workshop on " The Role of IPR in Innovation Management and Academic-Industry Collabaration"	Mr.B.Guruprakash Dr.M.Malathi Dr.C.Yesubai Rubavathi Mr.T.Siva	07.02.2019	07.02.2019	1
72	Role of IPR in Innovation Management and Academia – Industry Collaboration	Dr.K.Kanimozhi	07.02.2019	07.02.2019	1
73	National Workshop on Role of IPR in Innovation Management and Academia – Industry Collaboration	Ms.K.Pandeewari Ms.V.Saranya Ms.R.Banupriya Ms.P.Sasirekha Ms.K.Dhivya	07.02.2019	07.02.2019	1
74	Design and Fabrication of Antenna	A.Ahila M.Ameena Banu Helina Rajini Suresh G.Ramupriya Dr.R.Tamilselvi Dr.A.Merline C.S.Karthikeyan B.Muthu Pandian A.Nagaraj, A.Yasodai	12.02.2019	13.02.2019	2
75	Design and Fabrication of Antenna	M.Charanya, P.Vasuki P.Selva Prasanth P.S.Sharan Shree N.Sathiyathan N.Kayalvizhi N.Kaniamudham M.Pandimadevi M.Fathu Nisha	12.02.2019	13.02.2019	2
76	Design and Fabrication of Antenna	R.Devika, V.Karthik V.Parthasarathy S.Suba Bala Sathiya S.Mohideen Abdul Kadhar, S.K.A.Ahamed Kandu Sahib, S.Anusuya R.Sivaranjani, R.Karthick	12.02.2019	13.02.2019	2

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
77	The Future of Higher Education Leadership Conclave	Dr.A.Srinivasan Dr.B.Meenakshi Sundaram	13.02.2019	14.02.2019	2
78	Pedagogical Innovations and research Directions in STEM Education	Dr.M.Malathi	25.02.2019	02.03.2019	5
79	Industrial seminar on applications of soft computing techniques	Mr.H.Mathew Joel Arulanandham Mr.K.A.Mohammed Faiz	15.03.2019	16.03.2019	2
80	Basic and Advances in EEG	Mrs.K.Elavarasi	06.04.2019	07.04.2019	2
81	Artificial Intelligence and PYTHON	Dr.C.Callins Christiyana Ms.K. Priyadharsini Dr.M.Malathi	27.04.2019	27.04.2019	1
82	Deep Learning for Medical Image Analysis	Ms.D.Abitha Kumari Ms.M.Poomani@Punitha Ms.G.Vaira Suganthi Ms.B.Pandeeswari	29.04.2019	30.04.2019	2
83	Introduction to human Factors Engineering and Advanced Cognitive Systems Design	Dr.P.Ithayarani	06.05.2019	10.05.2019	5
84	FDP on Electrical Machines –I	Mrs.K.Elavarasi	20.05.2019	25.05.2019	6
85	Chemical Reaction Engineering-II	Mr.M.Arul Jayan	27.05.2019	31.05.2019	5
86	Faculty Development Programme on CE8301 Strength of Material-I	Ms.D.Rebekhal Ms.K.Padmawathi	27.05.2019	01.06.2019	6
87	Workshop on Thoery and Practice of XRD and SEM	Dr. E.Maheswaran Ms.R.Nageshwari	30.05.2019	31.05.2019	2
88	Theory and Pracitise of X ray Diffraction and SEM	Dr.C.Marimuthu Mr.M.Dhatchinamoorthy Dr.M.Sethuram Mr.S.Nagul Dev Mr.M.Abdul Ajmal Mr.R.Prabhu Sankar	30.05.2019	31.05.2019	2

S. No	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
89	SERB,CSIR and BRNS sponsored Two days National workshop on “Theory and Practice of X ray Diffraction & Scanning Electron Microscope”	Mr.B.Sivananthan Ms.V.Vijaya Priya Ms.S.Priyadharsini Ms.M.Mathinakani Ms.K.Nithya, Mr.T.Siva Mrs.C.Jeyalakshmi Mr.S.Durai Pandi Mr.I.Noor Mohamed	30.05.2019	31.05.2019	2
90	Workshop on Recent Trends in Geotechnical Engineering	Mr.S.VigneshBharthi Ms.K.Padmawathi	07.06.2019	08.06.2019	2
91	Outcome based education-Innovative Teaching Learning Practices and Evaluation	Ms.C.Jeyalakshmi	10.06.2019	22.06.2019	13
92	One Day IIT –Mumbai (Spoken Tutorial)Sponsored Workshop on python	Dr.S.Subashini Dr.M.Malathi Dr.E.Sivajothi Mrs.S. Gospline Christiana Ms.B.Lalitha Ms.C.Abinaya Devi	22.06.2019	22.06.2019	1
93	One Day IIT –Mumbai (Spoken Tutorial)Sponsored Workshop on python	Ms.K.Nagalakshmi Ms.V.Vijaya Priya Ms.S.Sangeetha Ms.S.Meenakshi	22.06.2019	22.06.2019	1
94	Workshop on Python Programming (Pandit Madan Mohan Malaviya Mission For Teachers and Teaching)	Dr.S.Sridevi Ms.J.Birundha Ms.P.Swapna Ms.K.Krishnaveni Ms.P.Pabitha Muthu Ms.G.Rajalakshmi Dr.S.Jenicka Ms.D.Roja Ramani	22-06-2019	22-06-2019	1
95	Train the Trainer Workshop Workshop on “INVTQ based FP”	Mr.R.Rajaguru Mr.B.Sivananthan	24.06.2019	26.06.2019	3
96	Green Projects Supply Chain Management	Dr.C.Marimuthu Mr.R.Prabhu Sankar	30.06.2019	11.07.2019	13