



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		D. PADMA SUBRAMANIAN
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		044-66110200
Mobile no.		9176669889
Registered Email		smitcollege1996@gmail.com
Alternate Email		subramanianpads@gmail.com
Address		Sri Muthukumaran Institute of Technology, Chikkarayapuram, Near Mangadu Chennai-600069 Kancheepuram Dist
City/Town		CHENNAI
State/UT		Tamil Nadu

Pincode	600069																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Ms.D.Shanthi Cheillah																		
Phone no/Alternate Phone no.	04466110200																		
Mobile no.	9444337277																		
Registered Email	smit.hod.ece@gmail.com																		
Alternate Email	smitcollege1996@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://smit.edu.in">http://smit.edu.in</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://smit.edu.in">http://smit.edu.in</a>																		
<b>5. Accreditation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.67</td> <td>2018</td> <td>26-Sep-2018</td> <td>25-Sep-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B+	2.67	2018	26-Sep-2018	25-Sep-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B+	2.67	2018	26-Sep-2018	25-Sep-2023														
<b>6. Date of Establishment of IQAC</b>	14-Sep-2011																		
<b>7. Internal Quality Assurance System</b>																			
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															

Video Lecture on Map Reducing In HADOOP	07-Jul-2018 3	25
Webinar on Open Stack Source	10-Oct-2018 2	30
Soft Skill For IT Final Year Students	16-Aug-2018 7	27
NPTEL Video Lectures on Pattern Recognition	21-Sep-2018 1	50
Project exhibition	26-Oct-2018 1	50
Lecture on entrepreneur cell development	30-Oct-2018 1	50
Webcasts On	15-Nov-2018 1	50
VideoLecture on Embedded Systems	20-Dec-2018 1	35
MOOCS Initiatives For civil Second Year Students	06-Jan-2019 1	30
Video Lecture on Kinematics of Machinery	03-Mar-2019 2	60

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**8. Provide the list of funds 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
Sri Muthukumaran Institute of Technology	Pradhan Mantri Kaushal Vikas Yojana	AICTE	2018 120	6941875
Dr.D.Padma Subramanian	AQIS-Research Promotion Scheme	AICTE	2018 1095	2464811
Dr.D.Padma Subramanian	AQIS-CONFERENCE	AICTE	2018 365	500000
Dr.K.Parasuraman	AQIS-PRERANA	AICTE	2018 730	1000000
Sri Muthukumaran Institute of Technology	AQIS-INAE Distinguished Visiting Professorship	AICTE	2018 365	500000
Mr.K.Praveen	NIMAT Project	DST	2018 7	20000
Mr.B.Venkataram	Tamil Nadu	TNSCST - State	2018	7500

aniah	State Government Student Project	Government Project	60	
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View Link</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View Uploaded File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	Yes
If yes, mention the amount	25000
Year	2018

<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>
1. Identifying thrust subjects in every programme and assisting the teaching of thrust subjects with innovative practices 2. Inhouse Projects and Product Development Initiatives 3. Incorporation of ICT tools as innovative measures in teaching learning process. 4.Incorporation of soft skill development strategies and personality development program into curriculum . 5.Improvement in curriculum through feedback collections and analysis from stakeholders.

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<b>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</b>
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Plan of Action	Achivements/Outcomes
The relevance and quality of academic programs.	Monitored through class committee meeting, Assessment test and Feedback from stakeholders
Timely efficient and progressive performance of academic task	Preparation of academic calendar and follow-up action.
Catering to student diversity	Separate schemes adopted for advanced

	learners and slow learners
Catering to student centric methods	<ul style="list-style-type: none"> <li>• Practice of experimental learning, participative learning and problem solving methodologies for enhancing learning experience</li> <li>• Implementation through technical events, in house projects, multi disciplinary projects, end semester projects, club/department/ professional society activities</li> </ul>
Innovation and creativity in teaching learning	<p>"• Encouragement and facilitation towards incorporation of ICT, self learning through LCS, webinars, NPTEL MOOCS, video lectures in thrust areas</p> <ul style="list-style-type: none"> <li>• Encouragement for skill development programs for faculty through faculty development programs/ orientation programs/ refresher courses. "</li> </ul>
Implementation of reforms in CIE	<p>"• Formulation of guidelines for evaluation of assessment test and dissemination of the schedule through academic calendar. Credibility of evaluation is ascertained through surprised and scheduled audits</p> <ul style="list-style-type: none"> <li>• Incorporation of evaluation through other activities such as bridge courses, value added courses, group discussions, practical exposure and skill development programs "</li> </ul>
The relevance and quality of research programs.	Monitored through Research and IPR cell with a benchmark, set for Paper Publication, Patent filing and Fund mobilization for research.
Infrastructure support and other services	<p>"• Ascertaining the adequacy of physical facilities through stock maintenance and annual stock checking</p> <ul style="list-style-type: none"> <li>• Separate stock checking of library to ascertain the library adequacy</li> <li>• Initiation of purchase procedure for meeting any deficiency and future requirements.</li> <li>• Separate stock checking of IT infrastructure including computing equipments, Internet and Wi-Fi.</li> <li>• Establishing systems and procedures for maintenance of academic and support facilities existence. "</li> </ul>
<p>"• Catering to student support through various scholarships, free ships etc..</p> <ul style="list-style-type: none"> <li>• Devising mechanism for timely redressal</li> <li>• Catering to placement of students and higher education</li> <li>• Catering to students involved in sports and cultural activities.</li> <li>• Catering to existence of student council</li> <li>• Catering to alumni association and its contribution towards institutional development. "</li> </ul>	<p>"• Facilitation of scholarship/ freeship from Govt./ Non- govt. agencies through well defined process.</p> <ul style="list-style-type: none"> <li>• Grievance redressal is implemented through various committees and squads.</li> <li>• Arrangement of on/ off campus interviews through various recruiters</li> <li>• Moulding of students to face campus interviews/ competitive exams through skill development programs / CEDS programs.</li> <li>• Organizing several</li> </ul>

tournaments/ cultural festivals and encouraging students to participate in sports/ cultural activities. • Mechanism is devised for the presence of student council and representation of students through various committees. • Registered alumni association is formed. Alumni meetings are conducted periodically. Separate alumni account is maintained. Joint ventures are formulated to support alumni engagement and contribution. "

"• To cater to effective Governance, Leadership and Participative management. • Cater to the functioning of IQAC • Devise methods for faculty welfare measures "

"• Conduct of regular GCM, IQAC meetings of various committees and formulation & implementation of various strategic plans • Conduct of 5 to 6 IQAC meetings in respect of planning, implementation and monitoring. • Devising mechanism for implementation of various staff welfare measures. • Devising financial management and resource mobilization through formulation of budgets, conduct of internal and external financial audits and preparation of balance sheet. "

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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Anna University	23-Mar-2019

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

Yes

Date of Visit

10-Oct-2018

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2018

Date of Submission

01-Oct-2018

**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)

The completed modules are • Students Attendance - Daily, Weekly, Monthly and consolidated reports • Faculty Lesson

Plan and Notes of lesson • Faculty Profile : Basic and Additional • Mentor allocation and Counseling • Hostel Attendance • Course entry, Subject allocation and Time table • Students Profile • Institution test : Result Analysis and Comparative Analysis • University Result Analysis • Online Feedback • Department event details entry • User creation, User management and user right settings • Auto mail generation • SMS • Students Progress report generation • Payroll (HR department)

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

**Effective Curriculum Delivery:** The Institution follows the curriculum defined by Anna University. A Well defined program outcomes and course outcomes aid in providing direction to teaching and other activities. As per the curriculum laid by the Anna University, the master plan for curriculum delivery is prepared. A detailed lecture schedule and lecture notes are prepared for all the subjects by the faculty members concerned for Theory, Practical and Lab manuals based on the syllabus. **Documentation Process:** Curriculum delivery is accomplished every semester by the well-planned system and the documentation is done in the following ways: 1.Minutes are prepared for every IQAC meeting and circulated to all stakeholders and are made available on the website. 2.The academic calendar is prepared to incorporate all details and copy of academic calendar is circulated to all the departments, students, and unit officers and is made available in the website. 3.Findings of the academic audits are documented and circulated to the respective faculty members. 4.The faculty members are instructed to prepare action taken report based on the findings of the Academic Audit. The documented version of the audits, findings, and the action taken reports are made available in the IQAC files. 5.Report of attendance and internal marks awarded is entered through web portal during each entry period, and is displayed in the Department notice boards for the awareness of the marks awarded to students. 6.A separate files are being maintained for assessment tests and university result analysis subject wise, department wise and Institution wise. These files are made available with IQAC. 7..Each staff member maintains Log books for subjects handled by them and separate logbook for lab classes. At the end of every semester, these Log books are submitted and made available with the IQAC. 8.Course files as per the NBA, NAAC format is prepared by each faculty for the subjects and lab handled by them.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Computer Hardware Service	Nil	22/09/2018	7	entrepreneurship	Nil

AutoCAD 2D	Nil	18/10/2018	4	Nil	Skill Development
Programming in C	Nil	26/02/2019	8	Nil	Skill Development
CastingSand Moulding	Nil	09/10/2018	7	Employability	Nil
Repair Welder	Nil	09/10/2018	7	Employability	Nil
QC Inspector Level 4	Nil	09/10/2018	7	Nil	Skill Development
Lathe Operator	Nil	09/10/2018	7	Nil	Skill Development
Cisco Certified Network Associate Certification	Nil	11/07/2018	10	employability	Nil
JAVA/J2EE Its Frameworks Certification	Nil	06/08/2018	7	employability	Nil
Oracle Certified Associate DBA 11g Certification	Nil	04/02/2019	10	Nil	Skill Development
FPGA Design for Embedded Systems	Nil	23/07/2018	7	Employability	Nil
Magnetics for Power Electronic Converters	Nil	20/08/2018	10	Employability	Nil
Battery Management System	Nil	21/01/2019	7	Employability	Nil
Mobile Application Using Android	Nil	06/07/2018	10	Employability	Nil
Free and Open Source Software Laboratory	Nil	28/09/2018	7	entrepreneurship	Nil
Data Mining and Big Data Analytics	Nil	24/01/2019	10	Employability	Nil



Introductory Laboratory - Linux, FOSS, Web	Nil	14/03/2019	7	Employability	Nil
Mobile servicing and assembly	Nil	20/08/2018	10	entrepreneurship	Nil
Embedded programming using Arduino, Raspberry Pi and ARM	Nil	20/08/2018	10	Nil	Skill Development
Circuit design using PSPICE/ORCAD	Nil	01/02/2019	7	employability	Nil
Cloud Architect(AWS and AZURE)	Nil	01/02/2019	7	Nil	Skill Development
Surveying tool Use of Total Station	Nil	16/07/2018	7	Nil	Skill Development

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Advanced Computer Architecture	02/07/2018
BE	Satellite Communication	02/07/2018
BE	Robotics	02/07/2018
ME	MEMS and NEMS	02/07/2018
ME	DSP architecture and programming	02/07/2018
ME	Wireless Ad-Hoc sensor network	02/07/2018
ME	GE6757/Total Quality Management	02/07/2018
ME	CS6003/Ad hoc and Sensor Networks	02/07/2018
ME	CS6007/Information Retrieval	02/07/2018
MCA	MC7002-Soft Computing	18/07/2018
MCA	MC7003-Accounting and Financial Management	18/07/2018
MCA	MC7004-Energy Awareness computing	18/07/2018
MCA	MC7006-M-commerce	18/07/2018

MCA	MC7010-Enterprise Application Integration	18/07/2018
MCA	MC7017-Network Protocol	18/07/2018
BE	ME6016-Advanced I.C. Engines	19/12/2018
BE	EE6002 - Power System Transients	19/12/2018
BE	EE6009 - Power Electronics for Renewable Energy Systems	19/12/2018
BE	GE6075 - Professional Ethics in Engineering	19/12/2018
BE	EI8073 - Basics of Biomedical Instrumentation	19/12/2018
BE	GE6757 Total Quality Management	19/12/2018
BE	GE6075 Professional Ethics in Engineering	19/12/2018
BTech	IT6010 Business Intelligence	19/12/2018
BTech	IT6013 Software Quality Assurance	19/12/2018
ME	Wireless Networks	19/12/2018
ME	Professional Ethics in Engineering	19/12/2018
BTech	IT6011/Knowledge Management	19/12/2018
ME	GE6075/Professional Ethics in Engineering	19/12/2018
BTech	IF5191 Advanced Databases	19/12/2018
BE	CP5093 Mobile and Pervasive Computing	19/12/2018
BE	CP5005 Software Quality Assurance and Testing	19/12/2018
ME	CP5074 Social Network Analysis	19/12/2018
BE	CP5097 Mobile Application Development	19/12/2018
BE	ME6004-Unconventional Machining Processes	19/12/2018
ME	PS5092 - Solar and Energy Storage Systems	19/12/2018
BTech	PS5073 - Electric Vehicles and power management	02/07/2018

BTech	CC5292-Additive Manufacturing and Tooling	02/07/2018
BE	OAT551-Automotive Systems	02/07/2018
BE	IT6004 Software Testing	02/07/2018
MCA	Total Quality Management	02/07/2018
MCA	Basic of Biomedical Instrumentation	02/07/2018
MCA	Advanced Microprocessors and Microcontrollers	02/07/2018
BE	ME6005-Process Planning and Cost Estimation	02/07/2018
BE	ME6012-Maintenance Engineering	02/07/2018
BE	ED5005-Design of Hydraulic and Pneumatic Systems	02/07/2018
BE	CC5291-Design of Manufacture, Assembly and Environments	02/07/2018
BE	EE6004 - Flexible AC Transmission Systems	02/07/2018
BE	EE6008 - Microcontroller Based System Design	02/07/2018
BE	PX5152 - Analysis and Design of Power Converters	02/07/2018
BE	PS5073 - Electric Vehicles and power management	02/07/2018
BE	PX5071 - Wind energy conversion systems	02/07/2018
ME	PS5003 - Electrical Distribution systems	02/07/2018
ME	IN5092 - Digital Instrumentation	02/07/2018
ME	ET5007 - Embedded Networking and automation of electrical systems	02/07/2018
BTech	PS5091 - Smart Grid	02/07/2018
MBA	ET5004 - Embedded Product Development	19/12/2018
MBA	ET5005 - Automotive Embedded System	19/12/2018
MCA	MC5003-Software Project	08/01/2019

	Management	
MCA	MC5005-Adhoc and Sensor Network	08/01/2019
MCA	MC5006-Professional Ethics	08/01/2019
MCA	MC5007-Health Care Management	08/01/2019
MCA	MC5008-Geological Information Systems	08/01/2019
MCA	MC5009-Human Resource Management	08/01/2019
MCA	MC5010-Internet of Things	08/01/2019
MCA	MC5011-Semantic Web	08/01/2019
MCA	MC5014-Principles of Programming Languages	08/01/2019
ME	ED5074-Tribology in design	21/01/2019
ME	ED5003-Advanced Metal Forming techniques	21/01/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	06/06/2018
BE	Computer Science Engineering	06/06/2018
BE	Electronics and Communication Engineering	06/06/2018
BE	Electrical and Electronics Engineering	06/06/2018
BE	Mechanical Engineering	06/06/2018
BTech	Information Technology	06/06/2018
ME	Computer Science Engineering	01/08/2018
ME	Applied Electronics	01/08/2018
ME	Embedded System Technology	01/08/2018
ME	Power System Engineering	01/08/2018
ME	Engineering Design	01/08/2018
ME	Computer Aided Design	01/08/2018
MBA	Master of Business Administration	01/08/2018

MCA	Master of Computer Application	01/08/2018
PhD or DPhil	Computer Science Engineering	01/08/2018
PhD or DPhil	Electrical and Electronics Engineering	01/08/2018

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

	Certificate	Diploma Course
Number of Students	480	0

**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
Self Development Yoga	13/09/2018	85
Life Skills for Youth	06/09/2018	80
Communicative English	29/01/2019	85
Career Guidance	12/03/2019	83
Industrial revolution 4.0	14/09/2018	85
Multimedia	23/10/2018	98
Employability Skills training	18/01/2019	85
Communication: Negotiation	06/03/2019	116
Workshop on R Studio	03/08/2018	30
Yoga Training	17/09/2019	50
Career Guidance on Social Approach	04/02/2019	20
Training on Networking	15/08/2018	20
PLC SCADA	04/08/2018	32
ETAP	03/09/2018	20
MATLAB	21/01/2019	35
EMPOWER	15/02/2019	16
3 D Animation Web Designing	25/07/2019	35
Science and Civilization	23/08/2019	16
Environmental Studies	06/01/2019	30
Self Development Interpersonal Relations	28/03/2019	50
Embedded C programming	21/08/2018	30
Training on Networking	17/06/2018	35
Yoga Training	21/01/2019	50

Seminar on "SOFT SKILLS"	10/07/2018	30
Workplace knowledge and skills	17/07/2018	55
Training on Improving Public Speaking skills	30/08/2018	55
First Aid Management Training	04/09/2018	70
EContent Development and ELearning	29/01/2019	30
Workshop on Lab Safety Measures	12/01/2019	50
Workshop on Group discussion skills	02/07/2018	43
Aerobic Training	01/08/2018	43
Make models of various Civil Engineering Structures	03/01/2019	43

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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	EC6702- Optical Communication and Networks	12
BE	EC6501 -Digital Communication	60
BE	EC6004 Satellite Communication	60
BE	IT 6601 MOBILE COMPUTING	18
BE	CS6003 Ad hoc and Sensor Networks	12
ME	CS6659 Artificial Intelligence	12
ME	CS6703 Grid and Cloud Computing	10
MCA	IT6601 Mobile Computing	3
MBA	Human Computer Interaction	4
MBA	Ad hoc and Sensor Networks	4
MBA	MC5101-Computer Organization	10
MBA	MC5102-Problem Solving and Programming	12
MCA	MC5103-Database	13

	Management Systems	
MCA	MC5202-Embedded Systems	13
MCA	MC5303-Web Programming Essential	12
ME	ME6016-Advanced IC Engines	12
ME	"EE6502: Microprocessors and Microcontrollers"	11
ME	CS6551 -Computer Networks	4
ME	EC6502 Principles of Digital Signal Processing	3
ME	IT 6601 MOBILE COMPUTING	3
ME	CS6003 Ad hoc and Sensor Networks	10
BTech	EC6801 - Wireless Communication	3
BTech	CS6701 - Cryptography and Network Security	4
BTech	IT6702 - Data Ware Housing and Data Mining	4
BE	ME6302-Manufacturing Technology -I	5
BE	ME6403-Engineering Materials and Metallurgy	10
BE	ME6701-PowerPlant Engineering	3
BE	ME6302-Manufacturing Technology -I	3
BE	EE6503: Power Electronics	3
BE	"EE6009: Power Electronics for Renewable Energy Systems"	3
BE	"EE6502: Microprocessors and Microcontrollers"	4
BE	IC6501 Control Systems	3
BE	"EC6202: Electronic Devices and Circuits"	12
BE	CS8792- Cryptography and network security	12
BE	EC8791 - Embedded real time system	60
BE	EC8351 - Electronics Circuits-I	60

BE	EC8452- Electronics Circuits-II	11
BE	EC6503 -Transmission Lines and Wave Guides	10
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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)

<p>Feedback Obtained</p> <p>1.4.2.i Feedback Collection : ? A well defined feedback system is followed and feedback forms are prepared for all stake holders and it is collected in a pre planned schedule. ? Provision is also made to collect feedback from students through suggestion box, provided in prominent locations in the Institute. ? Provision is available on website to submit feedback about the Institutional performance by all stake holders. Summarization of schedule of feedback collection during 20182019 S.No. Type of stake holder Yearly / Semester Date / Duration Wise 1. Alumni Twice in Year 24/12/2018 06/04/2019 2.a. Student Feedback on Institution facilities Semester Wise 04/10/2018 27/03/2019 07/10/2018 31/03/2019 2.b. Student feedback on Teaching Semester Wise 04/10/2018 03/04/2019 learning process 07/10/2018 07/04/2019 3 Parent Semester Wise 16/08/2018 13/02/2018 20/08/2018 19/02/2019 4 Employer Yearly 10/11/2018 25/11/2019 5. Faculty Yearly 04/04/2018 08/04/2019 1.4.2. ii. a.Feedback Analysis Feedback forms are prepared and given to students to get the feedback about the Course instructor for all the courses and analysis is done to evaluate the performance of the faculty. Ability of teaching and comprehensive ability of the teachers are analyzed and communicated to the faculty members to know their strengths and weaknesses which will enhance their teaching skills. 1.4.2.ii.b. Suggestions from students for Teaching Learning Process. ? Students of civil engineering expressed little difficulty in understanding the concept of the subject and they felt that they need to be more equipped with more prerequisites of the subject. 1.4.2.ii.c.The action taken are as follows ? The mentioned faculty is apprised of the students' level of understanding in the said subject and their need for the assistants in prerequisites to improve the understanding level. Accordingly faculty conducted orientation classes as prerequisite for one week. Consequent to this orientation classes understanding level of students is improved. 1.4.2.iii. Action taken based on Feedback report The method of analyzing and extension of followup measures on the student feedback in respect of teaching learning process is illustrated. As an Institutional policy faculty members are given rewards by awarding certificate of merit, sponsoring for attending FDP/Workshops and membership fee for professional bodies. Poor performers are counseled, and they are given opportunities by encouraging them to attend FDPs and staff orientation programs. Summary of rewards and corrective measures undertaken based on feedback report S.No Rewards Corrective Measures Undertaken No. of Faculties 1. No. of Faculty who Received Certificate of Merit 60 2. No. of Faculty who have been sponsored for FDP /Workshops 72 3. No. of Faculty for whom show cause is</p>
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**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	Civil Engineering	60	3	3
BE	Computer Science Engineering	120	36	36
BE	Electrical and Electronics Engineering	90	5	5
BE	Electronics and Communication Engineering	120	7	7
BE	Mechanical Engineering	180	16	16
BTech	Information Technology	60	14	16
MBA	Master of Business Administration	120	27	27
MCA	Master of Computer Applications	120	16	16
ME	Applied Electronics	18	2	2
ME	Embedded Systems Technologies	18	2	2
ME	Power System Engineering	18	1	1
ME	Engineering Design	18	2	2
ME	Computer Aided Design	18	1	1
ME	Computer Science Engineering	18	4	4

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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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2018	611	52	135	34	6

## 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
175	175	11	25	9	8
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Effective Mentor: Mentee system is practiced in the teaching learning process. Faculty members function as mentors to monitor students progress, to address grievances, to resolve any conflict arising in students and also to function as guide to provide overall guidance in academics and personal aspects. History card system is implemented. Individual student is provided with history card in which details pertaining to personal aspects, semester wise academic performance, leave details, details of parent teacher interaction, details of counseling, if any, given etc. is recorded. Mentor: mentee interaction is conducted on routine basis in a confidential manner. Apart from Mentor: Mentee interaction, professional counseling facilities are arranged on a need based requirement. Counseling report is further analyzed by the mentor and specific counseling regime is arranged based on the report. This Mentor: mentee relationship starts on the day, the student is admitted in the college and continued till the student is graduated. Mentorship is extended even in placement related aspects and higher education prospects. This Mentor: mentee ecosystem help the students in getting overall molding in every aspect of their grooming till they complete the course. Even after completion, the mentor keeps in touch with the student to ascertain their comfortability in the job/ higher education/ entrepreneurship as chosen by the students

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
653	175	1:4

## 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
175	175	26	26	47

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
2018	Ms. S. Amutha	Assistant Professor	Highly commended paper titled in "Study on Behaviour of Coconut Shell Aggregate Concrete With Bamboo Reinforcement In

			Compression Member"
2018	Ms.K.Preethi	Assistant Professor	Tech Excellency 2018 Award by Civil Engineers association
2018	Dr.D.Rajiniginath	Professor	Recognition as an Anna University Supervisor for PhD
2018	Mrs S.P.Audline Beena	Assistant Professor	Best paper for the tittle of Automatic detection of Road Traffic signals based on Text Extraction
2018	Mrs. K. Santhi Ponraj	Assistant Professor	CSISociety award for Academic Discipline
2018	Mr. Mathan Gopi	Assistant Professor	Best Paper Award for Paper titled Regenerating Code Using Proxy for Privacy Preserving in Public Auditing on Cloud Storage
2018	Dr.Shanthi.P	Associate Professor	Board of studies at MAHER University, Chennai
2018	Mrs.K.Lalitha	Assistant Professor	Project grant from TNSCST
2018	Dr.D.Padmasubramanian	Principal	Member of Board of studies in EEE Dept at AMET University
2018	Dr.S.Ramamoorthy	Professor	Member of Board of studies in EEE Dept at AMET University
2019	Mr.T.Madhan	Assistant Professor	Fund received from LVS endowment for the project titled Voice controlled automation system.
2018	Dr.Rajini Girinath	Professor	Functioned as Examiner in Ph.D VivaVoce at Meenakshi Academy Of Higher Education Research for the title Quality Estimate of Project Plan Using Monte Carlo Analysis

2019	Dr. E.Pandiyan	Professor	Editorial Board Member of International Journal of Engineering Research and Technology (Appresiation letter from head of the institution)
2019	Dr. V.Anitha	Professor	Editorial Board Member of International Journal of Hydraulisc and Pneumatisc (Appresiation letter from head of the institution)
2018	Ms. C. Mrinalini	Assistant Professor	Young Women Achiever Award (Engineering) by Venus International Foundation
2018	Mr P.Karnan	Assistant Professor	Fellowship for Stale Level Eligibility Test (SLET)
2018	Ms P Rajalakshmi	Assistant Professor	Fellowship for Stale Level Eligibility Test (SLET)
2019	Dr K.Parasuraman	Associate Professor	Editorial Board Member of International Journal of Engineering Research and Technology (Appresiation letter from head of the institution)
2019	Dr S Muruganandam	Associate Professor	Editorial Board Member of International Journal of Engineering Research and Technology (Appresiation letter from head of the institution)
2019	Dr S Siva Kumar	Professor	Functioned as Examiner in Ph.D VivaVoce at

			Meenakshi Academy Of Higher Education Research for the title Quality Estimate of Project Plan Using Monte Carlo Analysis
2019	Dr B Ramesh	Professor	Recognition as an Anna University Supervisor for PhD
2019	Dr V.Anitha	Professor	Recognition as an Anna University Supervisor for PhD
2019	Mr.Asrath Rahuman	Assistant Professor	Editorial Board Member of International Journal of Engineering Research and Technology (Appresiation letter from head of the institution)
2019	Mr.Seshan	Assistant Professor	Editorial Board Member of International Journal of Engineering Research and Technology (Appresiation letter from head of the institution)
2019	Dr E Pandiyan	Professor	Functioned as Examiner in Ph.D VivaVoce at Meenakshi Academy Of Higher Education Research for the title Quality Estimate of Project Plan Using Monte Carlo Analysis
2019	Dr Joshphine mary	Professor	Functioned as Examiner in Ph.D VivaVoce at Meenakshi Academy Of Higher Education Research for the title Quality Estimate of Project Plan Using Monte Carlo Analysis

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## 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	103,104,105,106,114,205	VIII/IV	29/03/2019	25/05/2019
ME	401,405,431,411,408,404	IV/II	27/04/2019	24/06/2019
MBA	631	IV/II	27/04/2019	24/06/2019
MCA	621	IV/II	27/04/2019	24/06/2019

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

The following measures have been taken by the Institution for Continuous Internal Evaluation (CIE) of students and for ensuring their progress and improved performance. i. Academic Activities: a. CIE through Assessment test and Model Examination As per guidelines laid down by Anna University, Academic evaluation is done. Academic committees at the Institutional level and department level have been formed to monitor and evaluate the Assessment Test - I, II, III and Model Exam question paper and their respective model answer keys. Every Semester three Assessment Tests, Class Test, Model exams are conducted and are considered for internal evaluation. The answer papers are evaluated by the faculty as per answer key prepared and verified by Interdepartmental Academic Committee members. The pass percentage is fixed as 70 and students falling below the set pass percentage and absentees are instructed to appear for Retest with the second set of question paper. If a student fails to clear or absent for the retest, student is encouraged to submit assignment. ii. Other Activities: a) CIE through Bridge courses Before the commencement of the programme, bridge courses are conducted. At the end of the bridge course, test is conducted to evaluate the learning level of the Students and marks are awarded based on their performance. b) CIE through Group Assignments Assignments are given to students in all the subjects which comprises of varied questions depending on various understanding level of students and weightage is given based on the standard of assignments submitted. c) CIE through Practical exposure The students are encouraged to undertake Industrial visits and Tech Expo. Students are asked to give presentation and proper weightage is given based on the presentation and report. Laboratory classes are conducted as per schedule and Viva is conducted in lab session to assess the learning level of students. Technical Workshops are organised frequently by each Department. The outcome is evaluated by conduct of quiz sessions and Technical aptitude tests. Students are encouraged to do inhouse projects and project reviews are conducted to evaluate the performance of students. Best projects are identified and rewarded. d) CIE Through Problem Solving Methodologies Tutorial classes for analytical subjects are conducted regularly. Frequent contests such as Design Contests, Circuit Debugging, Mini Project Exhibitions, Project Contests etc. are conducted in order to evaluate the students' capability. Meritorious students are rewarded through prizes. e) CIE Through Value Added Courses Value added courses are conducted for the students to improve the employability skills. The performance is assessed by conduct of exam at the end of the course. f) CIE Through Soft skills and Personality development classes Soft skills and personality development training are given to all the students from first year to motivate the students

to face interviews with confidence. An outcome is reflected in the increase in percentage of placement obtained over the last five years.

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

Our Institute ensures strict adherence of CIE activities as mentioned in the Academic Calendar. The mechanism of CIE can be classified in two categories as listed below:

- Continuous Internal (CIE) Evaluation as per guidelines of Anna University:
- Continuous Internal Evaluation by various innovative practices: CIE as per the guidelines of Anna University: It is ensured by the Institute that the strict adherence of CIE processes is incorporated in the academic calendar in the following ways:

- Class committee meetings are conducted thrice a semester in which the students' feedback about the progress of the subject, understanding level of students, and other academic and non academic issues are discussed and the remedial actions are taken immediately
- a. Schedule and conduct of Assessment test I, II, III, and Model exam Two sets of question papers are prepared by the faculty member(s) handling the subjects. The department academic committee inspects to ensure the quality of question papers along with Answers. Finally, it is approved by Chairperson of IQAC
- b. Schedule for Answer paper evaluation, Retest Schedule and Academic Audit Students falling below 70 are instructed to appear for a retest. Even then if any student fails to clear, they have to submit assignments. The answer papers of test, retest and assignment are submitted for auditing by interdepartment academic committee. After this approval, final approval would be by the Chairperson of IQAC.
- c. Schedule for submission of result analysis for Assessment test I, II, III, and Model examinations Then, Result Analysis is prepared and submitted to IQAC for approval. The results and remedial actions are reviewed meticulously in HODs meeting. Similarly, result Analysis is prepared for Anna University results as well. The IQAC members then prepare a report on academic performance for each faculty/subject for further followup actions.
- d. Schedule for Web Portal Entry As per the schedule provided by the Anna University/IQAC, departments are permitted to enter the internal marks and attendance in the Anna University web portal after the approval of IQAC Chairperson
- e. Schedule for dispatch of progress report to parents Academic performance report along with the attendance details of students is prepared and sent to the parents for their feedback.
- f. Schedule for Project reviews As per the schedule is given in the academic calendar, project reviews are conducted by the academic Committee of the respective department in the interval of one month.
- g. Schedule for online test for Placement Training At the end of every Assessment Test, online tests are conducted to evaluate the students' performance on Aptitude questions on various topics.
- h. CIE by various innovative practices The schedule for other innovative practices given below are earmarked in the Academic Calendar and followed.
- Students are sent to industrial visit and asked to submit a report on it.
- Guest lectures by Industrial experts are arranged.
- Students are encouraged to carry out miniprojects. Webinars, Video Lectures, Personality Development Programs etc., are arranged for the students

**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)

<http://www.smit.edu>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the	Number of students passed in final year	Pass Percentage
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			final year examination	examination	
103	BE	Civil Engineering	32	28	88
104	BE	Computer Science Engineering	64	52	81
106	BE	Electronics & Communicat ion Engg.	60	51	85
105	BE	Electrical & Electronics Engg.	34	24	71
114	BE	Mechanical Engineering	114	98	86
205	BTech	Information Technology	28	23	82
405	ME	Computer Science Engg.	2	2	100
401	ME	Applied Electronics	1	1	100
431	ME	Embedded System Technology	2	2	100
411	ME	Power System Engineering	1	1	100
408	ME	Engineering Design	2	2	100
404	ME	Computer Aided Design	1	1	100
631	MBA	Master of Business Adm inistraation	9	7	78
621	MCA	Master of Computer Application	6	5	83
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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)

<http://www.smit.edu.in>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION



**3.1 – Resource Mobilization for Research****3.1.1 – 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
Any Other (Specify)	120	AICTE	6941875	2082562
Major Projects	1095	AICTE	2464811	500000
Minor Projects	365	AICTE	500000	200000
Major Projects	730	AICTE	1000000	500000
Minor Projects	365	AICTE	500000	200000
Interdisciplinary Projects	7	DST	20000	20000
Students Research Projects (Other than compulsory by the University)	60	TNSCST State Government Project	7500	7500
Industry sponsored Projects	365	Vasantha Advanced Systems	25000	25000
Industry sponsored Projects	730	Ruthra water solution, Chennai	100000	20000
Industry sponsored Projects	730	Red Back Solutions	100000	25000
Industry sponsored Projects	365	Victory Services, Chennai	30000	15000
Industry sponsored Projects	365	NewGen Instruments	50000	25000
Industry sponsored Projects	730	Anand Electricals	100000	20000
Industry sponsored Projects	730	Asian Lifts	100000	20000
Industry sponsored Projects	365	Sree Builders	30000	20000
Minor Projects	730	Sri Muthukumaran Educational Trust	500000	250000

Minor Projects	730	Sri Muthukumaran Educational Trust	500000	250000
Minor Projects	365	Sri Muthukumaran Educational Trust	300000	150000
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	10000	10000
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	10000	10000
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	8000	8000
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### 3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on Art of writing and patenting A Technical Paper	Computer Science and Engineering	09/08/2018
Seminar on Intellectual property patent	Electrical and Electronics Engineering	24/10/2018
Workshop on Recent trends and Future of Patenting	Mechanical Engineering	07/01/2019
Seminar on "IOT and computing technologies in IPR"	Electronics and Communication Engineering	25/02/2019

3.2.2 – 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
Solar Stills with PV cells for Desalination of Water in Village	Dr.V.Anitha	AICTE Vishwakarma Awards	08/10/2018	FARM AND FLOCK
Hybrid Energy	Mr.T.Madhan	Tamil Nadu	29/08/2018	Science and

Based Energy Harvesting and Nutrient Detection on the Agriculture Field Using Internet of Things		State Council for Science and Technology		Technology
Unique IDBased ECertificate Verification with QR Code using Block Chain	Logesh.V Venkatamuni.S	Tamil Nadu State Council for Science and Technology	29/08/2018	Science and Technology
Smart Farming - Farmers Connect through Mobile Application	Harini.B Keerthana.S.S	AICTE Vishwakarma Awards	08/10/2018	WASTE MANAGEMENT
An intelligent walking stick for visually impaired	Mr.B.Venkatar amaniah	Tamil Nadu State Council for Science and Technology	29/08/2018	Innovation in the field of Embedded technology towards differently abled
Remote Patient Monitoring and Health Care Equipment	D.Shanthi Chelliah	AICTE Vishwakarma Awards	08/10/2018	Rural Infrastructure
SMART FARMING FARMERS CONNECT THROUGH MOBILE APPLICATION	Mr.Ignatitus	AICTE Vishwakarma Awards	08/08/2018	Land
Automation of Pneumatic Paper Cutting Machine	Dr.B.Ramesh	Tamil Nadu State Council for Science and Technology	29/08/2018	VALUE ADDITION OF RURAL HANDICRAFT AND AGRO INDUSTR
<a href="#">View Uploaded File</a>				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation centre for IOT	IOT based campus automation	VI micro Systems	Automation using IOT	Phase 1 started	03/10/2018
Incubation Center for Cloud Computing	Cloud Computing	Zeedup Technologies	ICT using Cloud	Phase 1 started	15/11/2018

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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
30	65	26

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

Name of the Department	Number of PhD's Awarded
Electrical and Electronics Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL	6	1.81
International	CSE	7	2.15
International	EEE	9	2.24
International	ECE	9	2.47
International	MECH	11	2.11
International	IT	5	1.84
International	MBA	6	1.81
International	MCA	4	1.75
International	S and H	6	2.14

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

Department	Number of Publication
CIVIL	12
CSE	18
ECE	14
EEE	16
IT	11
MECHANICAL	19
MBA	11
MCA	9
SH	14

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#### 3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

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
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Brain tumor classification based on clustered discrete cosine transform in compressed domain	Dr V.Anitha	Journal of Computer Science	2018	40	Yes	10
Aircraft Recognition in High resolution satellite images	Ms.M.Anitha	International Journal of Engineering science	2019	40	Yes	14
Design and Implementation of Argo and Falp Method on NOC and their Analysis	Ms.M.R.M ahalakshmi	International Journal of Science and Research	2018	16	Yes	6
Local independent projection based classification using fuzzy clustering	Ms.M.Sar aswathi	International journal of advaced research in education technology	2018	10	Yes	4
Design of GDI Based Low Power and High Speed CMOS Full Adder Circuits	Ms.D.Shanthi Chelliah	International Journal of Science and Research	2018	10	Yes	7
A novel NSCT Based Medical Image fusion Technique	Ms.D.Shanthi Chelliah	International Journal of Engineering science Invention	2018	10	Yes	6
A Novel Hierarchical Model for Vehicular Traffic Regulation	Dr.D.Rajini Girinath	Springer Telecommunications System Journal	2018	48	Yes	16

Multiview Unauthorised Human Action recognition	Mrs.S.P. Audline beena	International Journal of Computer Network and Security	2018	16	Yes	6
Simulation of Inter Processor Communication Architecture in MPSOC	Ms.D.Shanthi Chelliah	European Journal of Scientific Research	2018	10	Yes	5
Design Approach to implementation of arbitration algorithm in shared bus architectures	Ms.D.Shanthi Chelliah	Computer Engineering and Intelligent Systems	2018	10	Yes	6
Studies on Ring Compression Test using Finite Element Analysis on Sintered Aluminium Alloys	Dr. B. Ramesh	SL: Structural Longevity	2018	33	Yes	10
A Study on the Flow Properties of Aluminum Alloys	Dr. B. Ramesh	Journal for Manufacturing Science Production	2018	33	Yes	12
Feedback Aided Adaptive Supervised Classifier and Multilevel Brain Tumor Segmentation with Integrated Bayesian	Dr.V.Anitha	International Journal of Advances in Computational Sciences and Technology	2018	40	Yes	16

Model Classification						
Growth, optical, mechanical and dielectric studies on NLO active pure and metal ion doped single crystals of Bisthio urea zinc chloride	Dr.K.Parasuraman	PHYSICAB	2018	40	Yes	14
A Model of Security Architecture For MultiParty Authentication Protocol	Dr.L.Josephine Mary	International Asian Journal of Information Technology	2018	20	Yes	11
Human Emotion Recognition Based On Wavelet Domain Feature Fusion.	Mr.E.Pandian	International Journal of Engineering Research Technology	2018	18	Yes	8
Applications of Kort Spiral Learning Method on Learners Behaviour Based on Wavelet Transform Method in ELearning Environment.	Mr.E.Pandian	Global Journal of Computer Science and Technology: D Neural and Artificial Intelligence.	2018	18	Yes	8
Barriers to EBanking Practices	Dr.Parimalam. L	Guru Nanak Journal of Multidisciplinary Research	2018	36	Yes	14

Strategic Roadmap for Leveraging the Human Potential to Win in the Services Landscape	Mr. Suresh. M	Journal of Management and Technology	2018	30	Yes	15
Multiple Data Distribution in VANET	Dr.D.Rajini Girinath	International Journal of Science and Innovative Engineering and Technology	2018	48	Yes	18
Investigations on Vehicles Guided by Updated Road and Maps	Dr.D.Rajini Girinath	International JournalPrzeglad Elektrotechniczny	2018	48	Yes	17
Automatic Hybrid Detector for Spontaneous Detection of Malicious nodes in MANET's	Dr.D.Rajini Girinath	International Journal of Emerging Technology and Advanced Engineering	2018	48	Yes	16
"Compensation of Voltage sag magnitude due to symmetrical and unsymmetrical faults in Power Systems using STATCOM"	Dr.D. Padma Subramanian	International Journal of Advancements in Research and Technology	2018	117	Yes	16
"Effect of High Wind Penetration,	Dr.D. Padma Subramanian	International Journal of Engineerin	2018	117	Yes	17



Grid Strengthening and Compensation on Steady State Operating Point of DFIG Interfaced Power System"		g and Advanced Technology				
"Effect Wind Speed, Slip and Field Excitation on Dynamic Behavior of MultiMachine Power Systems with Doubly Fed Induction Generator"	Dr.D. Padma Subramanian	International Journal of Emerging Science and Engineering	2018	117	Yes	19
Unidirectional growth, optical, mechanical and dielectric studies on Larginine 4nitrophenolate 4nitrophenol dihydrate: A novel organic NLO single crystal	Dr.K.Parasuraman	Optik International Journal for Light and Electron Optics	2018	40	Yes	14
Personal Pronouns and gender: A Comparative study with reference to direct and reported speech in	Dr.C.Srinivasan	International journal of English and Literature	2018	26	Yes	10

english and tamil						
MultiParty Authentication Protocol For Web Services	Dr.L.Josephine Mary	International Journal of Computer Science And System Analysis	2018	20	Yes	10
Design of Power Optimized Protocol for Wireless Sensor Networks to Increase Battery Lifetime	Mr.V.Parthiban	IOSR Journal of Electronics and Communication Engineering	2019	17	Yes	12
"Small Signal Stability Analysis of MultiMachine Power Systems Interfaced with Micro Grid"	Dr.D. Padma Subramanian	International Journal of Engineering Research and Technology	2019	117	Yes	17
"Four Area Interconnected System On Load Frequency Control Using Firefly Algorithm"	Mrs.P.Vanitha	International Journal of Advanced Research in Electrical and Electronics Engineering	2019	16	Yes	8
"Congestion management by generator rescheduling using Genetic algorithm optimization technique Group Search Opt	Mr.G.Kannan	International Journal of advanced research in Electrical, Electronic Instrumentation engineering.	2018	24	Yes	10

imization						
Dry sliding wear behavior of Glass and jute fiber hybrid reinforced epoxy composited	Mr.M.Arsath Rahuman	International journal of Engineering research and development	2019	10	Yes	5
Restrict The Information Conceal In Network Conservation Using K Anonymization	Mr.P.Jayakrishnan	International Journal of Medical Engineering Research And Development Applications Also Governance	2019	18	Yes	4
Dihetero aromatic dianionic oxyCope rearrangement route to the synthesis of novel heterocyclic compounds	Dr.S.Sivakumar	Indian Journal of chemistry (SecB)	2019	28	Yes	12
"Performance Enhancement of PV based Water Pumping System"	Dr.D. Padma Subramanian	International Journal of Innovative Technology and Exploring Engineering, IJITEE,	2019	117	Yes	16
"Impact of Parameter Variations on the Steady State Behavior of Grid Connected Renewable Energy	Dr.D. Padma Subramanian	Indian Journal of Science and Technology	2019	117	Yes	17

Conversion Systems"						
Restrict The Information Conceal In Network Conservation Using K Anonymization	Mr. A.G. Ignatius	International Journal of Medical Engineering Research And Development Applications Also Governance	2019	27	Yes	12
Optical, electrochemical and thermal properties of Co2 doped CdS nanoparticles using polyvinylpyrrolidone	Mr.S.Muruganatham	Indian journal of physics	2019	36	Yes	12
Brain tumour classification using twotier classifier with adaptive segmentation technique	Dr V.Anitha	The Institution of Engineering and Technology Journals	2019	40	Yes	14
"Group Search Optimization Algorithm Based Reactive Power Pricing In Deregulated Electricity Market"	Mr.G.Kannan	International Journal of Applied Engineering Research	2019	24	Yes	10
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3.3.6 – 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
	Mrs.S.P.	Internat	2018	1	6	Yes

Multiview Unauthorised Human Action recognition	Audline beena	ional Journal of Computer Network and Security				
A Novel Hierarchical Model for Vehicular Traffic Regulation	Dr.D.Rajini Girinath	Springer Telecommunications System Journal	2018	4	16	Yes
Simulation of Inter Processor Communication Architecture in MPSOC	Ms.D.Shanthi Chelliah	European Journal of Scientific Research	2018	2	5	Yes
Design Approach to implementation of arbitration algorithm in shared bus architectures	Ms.D.Shanthi Chelliah	Computer Engineering and Intelligent Systems	2018	2	6	Yes
Studies on Ring Compression Test using Finite Element Analysis on Sintered Aluminium Alloys	Dr. B. Ramesh	SL: Structural Longevity	2018	4	10	Yes
A Study on the Flow Properties of Aluminum Alloys	Dr. B. Ramesh	Journal for Manufacturing Science Production	2018	4	12	Yes
Feedback Aided Adaptive Supervised Classifier and Multilevel	Dr.V.Anitha	International Journal of Advances in Computational Sciences	2018	4	16	Yes

Brain Tumor Segmentation with Integrated Bayesian Model Classification		and Technology				
Growth, optical, mechanical and dielectric studies on NLO active pure and metal ion doped single crystals of Bisthiourea zinc chloride	Dr.K.Parasuraman	PHYSICAB	2018	4	14	Yes
A Model of Security Architecture For MultiParty Authentication Protocol	Dr.L.Josephine Mary	National Accst Research Journal	2018	3	12	Yes
MultiParty Security System	Dr.L.Josephine Mary	International Asian Journal of Information Technology	2018	3	11	Yes
Human Emotion Recognition Based On Wavelet Domain Feature Fusion.	Mr.E.Pandian	International Journal of Engineering Research Technology	2018	2	8	Yes
Applications of Kort Spiral Learning Method on Learners Behaviour Based on	Mr.E.Pandian	Global Journal of Computer Science and Technology: D Neural and Artificial Intelligen	2018	2	8	Yes

Wavelet Transform Method in ELearning Environment.		ce.				
Barriers to EBanking Practices	Dr.Parimalam. L	Guru Nanak Journal of Multidisciplinary Research	2018	3	14	Yes
Strategic Roadmap for Leveraging the Human Potential to Win in the Services Landscape	Mr. Suresh. M	Journal of Management and Technology	2018	3	15	Yes
Multiple Data Distribution in VANET	Dr.D.Rajini Girinath	International Journal of Science and Innovative Engineering and Technology	2018	4	18	Yes
Investigations on Vehicles Guided by Updated Road and Maps	Dr.D.Rajini Girinath	International JournalPrzeglad Elektrotechniczny	2018	4	17	Yes
Automatic Hybrid Detector for Spontaneous Detection of Malicious nodes in MANET's	Dr.D.Rajini Girinath	International Journal of Emerging Technology and Advanced Engineering	2018	4	16	Yes
"Compensation of Voltage sag magnitude due to sym	Dr.D. Padma Subramanian	International Journal of Advancements in Research	2018	7	16	Yes

metrical and unsymmetrical faults in Power Systems using STATCOM"		and Technology				
"Effect of High Wind Penetration, Grid Strengthening and Compensation on Steady State Operating Point of DFIG Interfaced Power System"	Dr.D. Padma Subramanian	International Journal of Engineering and Advanced Technology	2018	7	17	Yes
"Effect Wind Speed, Slip and Field Excitation on Dynamic Behavior of MultiMachine Power Systems with Doubly Fed Induction Generator"	Dr.D. Padma Subramanian	International Journal of Emerging Science and Engineering	2018	7	19	Yes
Unidirectional growth, optical, mechanical and dielectric studies on Larginine 4nitrophenolate 4nitrophenol dihydrate: A novel organic NLO single crystal	Dr.K.Parasuraman	Optik International Journal for Light and Electron Optics	2018	4	14	Yes



Personal Pronouns and gender: A Comparative study with reference to direct and reported speech in english and tamil	Dr.C.Srinivasan	International journal of English and Literature	2018	3	10	Yes
MultiParty Authentication Protocol For Web Services	Dr.L.Josephine Mary	International Journal of Computer Science And System Analysis	2018	3	10	Yes
Design of GDI Based Low Power and High Speed CMOS Full Adder Circuits	Ms.D.Shanthi Chelliah	International Journal of Science and Research	2018	2	7	Yes
A novel NSCT Based Medical Image fusion Technique	Ms.D.Shanthi Chelliah	International Journal of Engineering science Invention	2018	2	6	Yes
Brain tumor classification based on clustered discrete cosine transform in compressed domain	Dr V.Anitha	Journal of Computer Science	2018	1	10	Yes
Design and Implementation of Argo and Falp Method on NOC and their Analysis	Ms.M.R.Mahalakshmi	International Journal of Science and Research	2018	2	6	Yes

Local in dependent projection based clas sification using fuzzy clustering	Ms.M.Sar aswathi	Internat ional journal of advaced research in education technology	2018	2	4	Yes
Aircraft Recognitio n in High resolution satellite images	Ms.M.Ani tha	Internat ional Journal of Engineerin g science	2018	4	14	Yes
Design of Power Optimized Protocol for Wireless Sensor Networks to Increase Battery Lifetime	Mr.V.Par thiban	IOSR Journal of Electronic s and Comm unication Engineerin g	2018	3	12	Yes
"Small Signal Stability Analysis of MultiMa chine Power Systems Interfaced with Micro Grid"	Dr.D. Padma Subr amanian	Internat ional Journal of Engineerin g Research and Technology	2018	7	17	Yes
"Four Area Inter connected System On Load Frequency Control Using Firefly Algorithm"	Mrs.P.Va nitha	Internat ional Journal of Advanced Research i nElectrica l and Elec tronics En gineering	2018	2	8	Yes
"Enhance ment of available transfer capability using FACTS Device in deregulate	Mrs.S.Je rril Gilda	Internat ional Journal of Engineerin g Technology Innovation s	2019	2	6	Yes

d Electric ity market”							
“Congest ion management by generator rescheduli ng using Genetic algorithm optimizati on technique Group Search Opt imization	Mr.G.Kan nan	Internat ional Journal of advanced research in Electric al, Electronic Instrument ation engi neering.	2019	3	10	Yes	
Dry sliding wear behavior of Glass and jute fiber hybrid reinforced epoxy composited	Mr.M.Ars ath Rahuman	Internat ional journal of Engineerin g research and develo pment	2019	2	5	Yes	
Restrict The Inform ation Conceal In Network Co nservation Using K An onymizatio n	Mr.P.Jay akrishnan	Internat ional Journal of Medical En gineering Research And Develo pment Appl ications Also Governance	2019	3	4	Yes	
Dihetero aromatic dianionic oxyCope re arrangemen t route to the synthesis of novel h eterocycli c compounds	Dr.S.Siv akumar	Indian Journal of chemistry (SecB)	2019	3	12	Yes	
“Perform ance Enhanc ement of PV based	Dr.D. Padma Subr amanian	Internat ional Journal of Innovative	2019	7	16	Yes	

Water Pumping System"		Technology and Exploring Engineering, IJITEE,				
"Impact of Parameter Variations on the Steady State Behavior of Grid Connected Renewable Energy Conversion Systems"	Dr.D. Padma Subramanian	Indian Journal of Science and Technology	2019	7	17	Yes
Restrict The Information Conceal In Network Conservation Using K Anonymization	Mr. A.G. Ignatius	International Journal of Medical Engineering Research And Development Applications Also Governance	2019	3	12	Yes
Optical, electrochemical and thermal properties of Co2 doped CdS nanoparticles using polyvinylpyrrolidone	Mr.S.Muruganatham	Indian journal of physics	2019	4	12	Yes
"Group Search Optimization Algorithm Based Reactive Power Pricing In Deregulated Electricity Market"	Mr.G.Kannan	International Journal of Applied Engineering Research	2019	3	10	Yes
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Resource persons	30	43	35	20
Presented papers	75	90	65	36
Attended/Seminars/Workshops	40	48	30	25
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### 3.4 – Extension Activities

3.4.1 – 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
Computer education extended to Orphange	New Life Orphange, Kanchipuram	4	50
Porur Lake Cleaning	Tamilnadu Social Welfare Association, Chennai	5	50
Motivational Program for differently abled students	Isha Foundation	5	50
<a href="#">View File</a>			

3.4.2 – 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
Hepatitis B Typhoid vaccine awareness campaign	Best Volunteer Service Award	Meenakshi College of Nursing, Chikkarayapuram	120
Blood Donation Camp	Emerging Social worker award	Indian Bank Vountary Blood Donation Move	100
Rally for Eradication of Tobacco	Letter of Appreciation	Tamilnadu Govt. TB Hospital, Poonamalle	120
Rally for LOK SAPA ELECTION 2019	Letter of Appreciation	Kancheepuram Collector	300
<a href="#">View File</a>			

3.4.3 – 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

Save Human life	SMIT Socitey Affable Club Nalaya Bharatham, Chennai	Visit to Orphanage	5	75
Save Human life	NSS Managdu Panchayath	Rally for Dengue Awareness	10	100
Save Human life	SMIT Socitey Affable Club Nalaya Bharatham, Chennai	Organ donation campaign	5	75
Environmental Protection	YRC Managdu Panchayath	Plastic waste management	15	90
Environmental Protection	Enviro Club Bharath Environmental Trust Service, Chennai	World environment day	5	75
Life Rescue	YRC Indian Red Cross Society, Kancheepuram	Disaster Management Programme	10	100
Environmental Protection	Nature Club Isha Foundation, Chennai	Rally for River	10	100
Swachh Bharat Abhiyan	NSS Managdu Panchayath	Swachh Bharath Clean India Campaign	10	100
Life skill development	YRC Seven Hills Polytechnic, Alapakkam	Vocational Training for Village Youth	10	100
Life skill development	YRC Meenakshi College of Educ ation, Mangadu	International Yoga Day	10	100
<a href="#">View File</a>				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
III and T	60	Kathivakkam High Road, Girija Nagar, Ennore, Chennai, Tamil Nadu 600057 Phone: 099523 27751	3
Field Trip	40	Tractor and Farm Equipment (TAFE) 77, Nungambakkam High Road,	1

		Nungambakkam, Chennai, India 600 034 91 44 6691 9000	
III and T	40	Geometrics SP Info City Block 1, 40, MGR Main Rd, Kodandarama Nagar, Perungudi, Chennai, Tamil Nadu 600096 Phone: 044 4295 5600	1
III and T	60	Addison Co Ltd F65B, Sipcot Industrial Park, Irungattukottai, Sriperumbuthur Taluk, Kanchipuram District, Tamil Nadu, Pincode 602 105.	1
III and T	120	Wonjin India Pvt ltd A 1 K, Seevaga Sinthamani St, Pavendar Salai, Maraimalai Nagar, Tamil Nadu 603209 Phone: 044 4740 4440	2
Field Trip	25	Nest Institute 912, Grand Southern Trunk Road, Sanatorium, Tambaram, Chennai, Tamil Nadu 600047 Phone: 098406 21111	6
Internship	25	TVS Training Services Ltd. Plot No.86 E/2, 2nd Main Road, Ambatttur Industrial Estate, Chennai600058, Tamil Nadu Phone: 044 4246 6600	6
Workshop	60	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street, Santhosh Nagar, Kandhanchavadi, Chennai 96, www.pan techsolutions.net	1
Industrial Visit	60	Uniq Technologies, 1 Shifa Arcade, 3rd	1

		Floor, Bharathi Nagar 1st Street, North Usman Road, T Nagar, Chennai17 ww w.uniqtechnologies.co.in	
Hands on training	60	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. wwwctlindia.com	2
Special Lecture	120	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near Anna Park, Kodambakkam, Chennai24. www.sansbound.com	1
Field trip	35	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. wwwctlindia.com	1
Onjob training	40	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street, Santhosh Nagar, Kandhanchavadi, Chennai 96, www.pantechsolutions.net	1
Workshop	40	VEE Technologies, Bangalore HQ, Sona Towers, 71 Miller Road, Bangalore 560052. http://www.veetechnologies.com	3
Seminar	50	Kaashiv Infotech Shivanantha Building X41, 5th Floor, 2nd avenue, Anna Nagar, Chennai40 kashiv.info@gmail.com	1
Industrial Visit	50	Aadhityaa	1



		Infomedia Solution Old No. 26/2, new No. 77/2, Habibullah Road, T Nagar, Chennai, Tamil Nadu 600017 098409 47370 Email : info@aadhityaa.com	
Field trip	40	Kyrion Technologies, AP345, 36th Street, 7th Sector, K.K.Nagar, Chennai 600 078, Tamilnadu	2
Inplant Training	40	Real Web Tech Pvt Ltd Address, : NO 1/1, ST, XAVIER STREET, PALLAVARAM. City, Chennai Tamil Nadu. Email : INFO@ REALWEBTECH.COM	1
Onjob training	40	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near Anna Park, Kodambakkam, Chennai24. www.sansbound.com	1
Inplant Training	50	RR Kabel P.Ltd, 9, East Rd, CIT Nagar West, CIT Nagar, Chennai, Tamil Nadu 600035 Phone: 044 2436 3420	1
workshop	50	M/S.Surabee Electronic Systems (P) ltd No 164, 1st floor, Arcot road Va lasaravakkam, Chenna i87 Phone :04442664708, www.surabee.com	1
Skill development	50	CADD Labs No 1 , 2nd floor, kalaighnar karunanithi salai, Sholinganallur signal, OMRECR link road, Chennai 600119, TN, India, Phone: 04464504040 Email :	2

		kamal@caddlabs.com Web: <a href="http://www.caddlabs.com">http://www.caddlabs.com</a>	
Hands on experience	50	Doshi Housing Limited Corporate Office Doshi Towers, 9th Floor, 156 Poonamalee High Road, Kilpauk, Chennai 600010 Tamil Nadu, India. Phone: 04443539150 Email: <a href="mailto:marketing@doshihousing.com">marketing@doshihousing.com</a> Web: <a href="http://www.doshihousing.com">http://www.doshihousing.com</a>	4
Communication	120	Sumangali Homes Private Limited 5/158, Perumal kovil street, Medavakkam 600100, Chennai, TN, India. Phone: 04431003100 Email: <a href="mailto:info.sumangali@gmail.com">info.sumangali@gmail.com</a> Web: <a href="http://www.sumangalihomes.in">http://www.sumangalihomes.in</a>	1
Hands on experience	40	CAD School No.172, Raahat Plaza, Office No.196/197, IIInd Floor, Arcot Road, Vadapalani, Chennai 600026, TN Phone: 91 9884433845 Email: <a href="mailto:vadapalani@caddschool.in">vadapalani@caddschool.in</a> Web: <a href="http://www.caddschool.in">http://www.caddschool.in</a>	2
Building information technology	25	Estarr Max Technologies Pvt Ltd No.50, First floor, Ramaswamy Salai, SDK Nagar Valasaravakkam, Chennai 600087 Phone: 91722253588 Email: <a href="mailto:info@estaarmax.in">info@estaarmax.in</a> Web: <a href="http://www.estaarmax.in">www.estaarmax.in</a>	1
Seminar	120	DARIEN ELECTRIC MADRAS # 2/3, Appadurai street, Shanti Nagar, Ramapuram,	1

		chennai89 Tele Fax: 22490993, Email: darian_electric@yahoo.co.in	
Guest Lecture	60	UNIQ Technologies Shifa arcade No 1, 3rd Floor Bharathinagar 1st street, North Usman Road, T.Nagar, Chennai - 600 017. 9791004050 info@uni qtechnologie.co.in	1
Student intenship	60	National Panasonic corbon company limited, Thada,AP	1
Organisation study	60	Manpower group services P.Ltd,GEE GEEuniversal,2,McNi cholas Road,Chennai31	3
<a href="#">View File</a>			

3.5.2 – 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
Skill development	Drafting Training	CADD Labs No 1 , 2nd floor, kalaingar karunanithi salai, Sholi nganallur signal, OMRECR link road, Chennai 600119, TN, India, Phone: 04464504040 Email : kama l@caddlabs.c om Web: http ://www.caddl abs.com	02/07/2018	03/07/2019	50
Hands on experience	Site Supervising	Doshi Housing Limi tedCorporate	16/07/2018	19/07/2018	50

		Office Doshi Towers,9th Floor, 156 Poonamalee High Road, Kilpauk, Chennai 600010 Tamil Nadu, India. Phone: 04443539150 Email: marketing@doshihousing.com Web: http://www.doshihousing.com			
Communication	Site coordinator training	Sumangali Homes Private Limited 5/158, Perumalkovil street, Medavakkam600100 , Chennai, TN, India. Phone: 04431003100 Email: info.sumangali@gmail.com Web: http://www.sumangalihomes.in	30/07/2018	30/07/2018	120
Hands on experience	Modeling training	CAD School No.172, Raahat Plaza, Office No.196/197, IInd Floor, Arcot Road, Vadapalani, Chennai600026, TN Phone:91 9884433845 Email: vadapalani@caddschool.in Web: http://www.caddschool.in	06/08/2018	08/08/2018	40
Building information technology	Software Training	Estarr Max Technologies Pvt Ltd	13/08/2018	13/08/2018	25

		No.50, First floor, Ramaswamy Salai, SDK Nagar Valasaravakkam, Chennai600087 Phone: 91722253588 Email: info@estaarmax.in Web: www.estaarmax.in			
Seminar	Seminar on Design of PCB board circuits	DARIEN ELECTRIC MADRAS # 2/3, Appadurai street, Shanti Nagar, Ramapuram, chennai89 Tele Fax: 22490993, Email: darien_electric@yahoo.co.in	16/08/2018	16/08/2018	120
III and T	Seminar on Six sigma	Kathivakkam High Road, Girija Nagar, Ennore, Chennai, Tamil Nadu 600057 Phone: 099523 27751	27/08/2018	27/08/2018	66
Field Trip	Field trip	Tractor and Farm Equipment (TAFE) 77, Nungambakkam High Road, Nungambakkam, Chennai, India 60034 91 44 6691 9000	03/09/2018	05/09/2018	60
III and T	Workshop on CAD	Geometrics SP Info City Block 1, 40, MGR Main Rd, Kodandarama	13/09/2018	13/09/2018	40

		Nagar, Perungudi, Chennai, Tamil Nadu 600096 Phone: 044 4295 5600			
III and T	Workshop on industrial safety	Addison Co Ltd F65B, Sipcot Industrial Park, Irunga ttukottai, S riperumbuthu r Taluk, Kanchipuram District, Tamil Nadu, Pincode 602 105.	20/09/2018	20/09/2018	45
III and T	Workshop on parking sensor	Wonjin India Pvt ltd A 1 K, Seevaga Sinthamani St, Pavendar Salai, Maraimalai Nagar, Tamil Nadu 603209 Phone: 044 4740 4440	03/10/2018	03/10/2018	60
Field Trip	Workshop on NDT Radiographic Film Interpr etation	Nest Institute 912, Grand Southern Trunk Road, Sanatorium, Tambaram, Chennai, Tamil Nadu 600047 Phone: 098406 21111	15/10/2018	16/10/2018	120
Internship	Training on Industrial Automation	TVS Training Services Ltd. Plot No.86 E/2, 2nd Main Road, Ambatttur Industrial Estate, Chen nai600058, Tamil Nadu	15/10/2018	21/10/2018	25

		Phone: 044 4246 6600			
Workshop	Workshop on Testing Tool Silk Runner	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari St reet, Santhos h Nagar, Kan dhanchavadi, Chennai 96, www.pantechs olutions.net	05/11/2018	05/11/2018	60
Industrial Visit	Field trip to Uniq Technologies	Uniq Techn ologies, 1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, North Usman Road, T Nagar, Chennai 17 ww w.uniqtechno logies.co.in	13/11/2018	13/11/2018	60
Hands on training	Hands on training in Hadoop	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. www. ctlindia.com	19/11/2018	19/11/2018	90
Special Lecture	Guest Lecture on Big Data Analyasis	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near Anna Park, Kodambakkam, Chennai 24. w ww.sansbound .com	04/12/2018	04/12/2018	60
Field trip	Field trip to Cosmosoft Technologies	Cosmosoft Technologies Ltd, No 141,	10/12/2018	10/12/2018	90

	Ltd	(Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. www. ctlindia.com			
Onjob training	Hands on training in Android	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari St reet, Santhos h Nagar, Kan dhanchavadi, Chennai 96, www.pantechs olutions.net	24/12/2018	24/12/2018	40
Workshop	Workshop on Mobile App	VEE Techno logies, Banga lore HQ, Sona Towers, 71 Miller Road, Bangalore 560052. http ://www.veete chnologies.c om	31/12/2018	31/12/2018	50
Seminar	Seminar on Bluetooth Based Smart Sensor Networks	Kaashiv Infotech Shivanantha Building X41, 5th Floor, 2nd avenue, Anna Nagar, Chenna i40 kaashiv. info@gmail.c om	03/01/2019	03/01/2019	35
Industrial Visit	Industrial Visit to Aadhityaa Infomedia Solution	Aadhityaa Infomedia Solution Old No. 26/2, new No. 77/2, Habibullah Road, T Nagar, Chennai, Tamil Nadu 600017 098409 47370 Email : info @aadhityaa.c om	07/01/2019	07/01/2019	35



Field trip	Field trip to Kyrion Technologies	Kyrion Technologies, AP 345, 36th Street, 7th Sector, K.K.Nagar, Chennai 600 078, Tamilnadu	01/02/2019	02/02/2019	40
Inplant Training	Inplant training on iOS App Development Training	Real Web Tech Pvt Ltd Address, : NO 1/1, ST,XAVIER STREET, PALLAVARAM. City, Chennai Tamil Nadu. Email : INFO@REALWEBTECH.COM	05/02/2019	05/02/2019	40
Onjob training	Hands on training in CSS/ HTML	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near Anna Park, Kodambakkam, Chennai24. www.sansbound.com	11/02/2019	11/02/2019	40
Inplant Training	Inplant Training on RR Kabel P.Ltd	RR Kabel P.Ltd, 9, East Rd, CIT Nagar West, CIT Nagar, Chennai, Tamil Nadu 600035 Phone: 044 2436 3420	18/02/2019	18/02/2019	50
workshop	Workshop on Embedded programming	M/S.Surabee Electronic Systems (P) ltd No 164, 1st floor, Arcot road Valasaravakkam, Chen	05/03/2019	05/03/2019	50

		nai87 Phone :04442664708 , www.surabe e.com			
Guest Lecture	Guest Lecture on Data Ware Housing	UNIQ Technologies Shifa arcade No 1, 3rd Floor Bharat hinagar 1st street, North Usman Road, T.Nagar, Chennai - 600 017. 9791004050 info@uniqtechnologie.co.in	11/03/2019	11/03/2019	60
Student intenship	Stundent Training	National Panasonic corbon company limited, Thada, AP	18/03/2019	18/03/2019	60
Organisation study	Organisation study on Manpower group services P.Ltd	Manpower group services P.Ltd, GEE GE Euniversal, 2 , McNicholas Road, Chennai 31	10/04/2019	12/04/2019	60

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
PARADIGM Technologies Pvt. Ltd.	12/07/2018	Inplant training	185
EGS Computers India Pvt Ltd	20/07/2018	Inplant Training	156
Advantage Pro	30/08/2018	Industrial Visit	154
Ratina Controls and Systems	03/11/2018	Inplant training	160
Real Web Tech Pvt Ltd	16/11/2018	Website Hosting	155
Darien Electric Madras	28/11/2018	Industrial visit F487	120

VI MircoSystems Pvt LTd	03/12/2018	Internship	162
UNIQ Technologies	20/12/2018	Guest Lecture	152
Redback IT Solutions Pvt.Ltd	03/01/2019	Workshop	123
Adhityaa Infomedia Solutions	07/01/2019	Hands on Experience	62
G.A System	22/01/2019	Hands on Experience	70
Surabee Electronic Systems (P) Ltd	30/01/2019	Guest Lecture	58
CADD CENTRE Training Services Pvt. Ltd.	04/02/2019	Technical Training	120
Neel Industrial Systems Pvt. Ltd.	25/02/2019	Organize extensive hands on training on Welding Technology sheet Metal Process	160
<a href="#">View File</a>			

## 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
27500000	25248967

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
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
No file uploaded.	

### 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 patially)	Version	Year of automation
Autolib	Fully	3.0	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	2000	3000	1500	1654	3500
Reference Books	8099	45301	2000	1700	10099	47001
e-Books	123	1500	30	65	153	1565
Journals	194	194	10	10	204	204
e-Journals	4	4	2	2	6	6
Digital Database	2352	2352	150	150	2502	2502
Library Automation	1500	1500	200	200	1700	1700
Library Automation	1	1	0	0	1	1
Weeding (hard & soft)	600	600	200	200	800	800
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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 B Ramesh	Computer Aided Design and Manufacturing ? ? ?	www.smitedu.in	11/06/2018
Mr Praveen	Strength of Materials	www.smitedu.in	11/06/2018
Mr B Venkata Ramanianah	Communication Theory	www.smitedu.in	16/07/2018
Ms.Amutha	Construction Materials	www.smitedu.in	16/07/2018
Mr.Raghavendar	Concrete Technology	www.smitedu.in	15/10/2018
Dr S Muruganandam	Materials Science	www.smitedu.in	15/10/2018
Dr V.Anitha	Digital Electronics	www.smitedu.in	07/01/2019
Ms.Keerthana	Microprocessors and Microcontrollers	www.smitedu.in	07/01/2019
Mr.Ignatius	Design and Analysis of Algorithms	www.smitedu.in	08/02/2019
Ms.Sandra Karunya	Object Oriented Programming	www.smitedu.in	08/02/2019

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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 (MBPS/GBPS)	Others
Existing	900	600	600	60	60	30	150	100	0
Added	60	15	15	0	15	15	15	100	0
Total	960	615	615	60	75	45	165	200	0

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

100 MBPS/ GBPS

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Functional Studio	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>
Functional Outdoor production units	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>
Functional editing setup 2 Nos	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>
Animation / Graphics Workstations	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>
EContent Integration workstation	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>
Wireless Network	<a href="https://www.smit.edu.in">https://www.smit.edu.in</a>

#### 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
22500000	20039677	35000000	34599321

##### 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, provide link)

Our college has got established procedures for developing, maintaining and upkeeping of all facilities. 1. Physical Facilities a) Furniture • A stock register is maintained centrally to enter the newly procured furniture. • Shifting of furniture from one place to another is carried out by entering in the movement register • with the approval of the higher authority concerned. • Routine furniture maintenance is carried out by the staff concerned. • Repairing works (if any) are done either by inhouse or outsourcing arrangements b) Electrical Fittings • Dedicated electrical maintenance department headed by a senior Chief engineer is rigorously • looking after the maintenance of all electrical fittings utilized inside and outside the builtup area. • Our college has a separate Power house which functions with a total connected load of 680kW to meet the heavy electrical load requirement. • Maintenance of Uninterrupted Power Supply unit (UPS) carried out through AMC. • The college has two backup generators with 320kVA capacity. c) Housekeeping and General Maintenance • Our

General Maintenance team ensures the upkeeping of cleanliness of entire campus both inside and outside the builtup area. • The college garden is maintained by a team of well trained gardeners. They ensure the green andecofriendly environment inside the campus. • Sensitive equipments like air conditioners, water coolers, UPS systems, etc, are signed with vendors to carry out periodic maintenance

2. Academic Facilities • Laboratories are maintained by the respective department for the maintenance and updation of equipment based on the revision of curriculum by the affiliating university. Calibrations of equipment / instruments are performed by our skilled lab technicians of the respective laboratory. • Maintenance of library is carried out through processes such as stock verification, AMC etc. • Maintenance of computers and networking is looked after by a System Administrator, a Network administrator and through AMC. • Maintenance of facilities under physical education is supurised by the sports Committee. • The college website is developed and maintained by the inhouse team of software professionals.

3. Support Facilities

i.Constant supply of safe drinking water • The RO purified water is checked and the quality is assured by the water board authority periodically.

ii.Security Force • The College has adequate number of Security personnel deployed at all strategic places to ensure safety and peaceful environment.

iii.Health Centre • Health care centre with an area covering 50 sq.mts. is functioning with a medical practitioner assisted by medical assistants.

iv.Canteen • Canteen and food committee ensures that standards of food and beverages served in the canteen are as per health safety rules.

<https://www.smit.edu.in>

## 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	ANR Endowment scheme	15	950000
Financial Support from Other Sources			
a) National	BC/MBC Scholarships, SC/ST scholarships,First Graduate Schlarships	250	6500000
b)International	SMITAA Endowment scheme	6	350000
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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
Guidance for competitive examinations,	02/01/2018	663	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai - 600034. Phone: 044 - 28 28

			28 29
Career Counselling,	02/01/2018	663	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai - 600034. Phone: 044 - 28 28 28 29
Soft skill development,	02/01/2018	663	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai - 600034. Phone: 044 - 28 28 28 29
Remedial coaching,	02/01/2018	136	All HODs, Sri Muthukumaran Institute of Technology Mangadu, chennai600 069 Ph:044 66110200 Email: smitcollege1996@gmail.com
Language lab	02/01/2018	663	HoD /ENGLISH Sri Muthukumaran Institute of Technology Mangadu, chennai600 069 Ph:044 66110200 Email: smitcollege1996@gmail.com
Bridge courses	02/01/2018	163	All HODs, Sri Muthukumaran Institute of Technology Mangadu, chennai600 069 Ph:044 66110200 Email: smitcollege1996@gmail.com
Yoga and Meditation	02/01/2018	663	Hearfullness Institute, Manapakkam, Chennai, Ph:044 26552985, Tamil Nadu 600026
Personal Counselling	02/01/2018	116	Mr.E.Pandiyan, Professor Sri Muthukumaran Institute of Technology Mangadu, chennai600 069

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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 activities	Number of students who have passed in the comp. exam	Number of students placed
2018	competitive examinations and career counselling	663	663	45	260

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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
16	14	3

**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
Sutherland, Ridsys, Qspider, NVH India Pvt Ltd, Caliber, Aagna Global, Ninjakart India Pvt Ltd, Hibiz	300	180	TCS, Infosys, Wipro, Cognizant, TechMahindra LT, Infotech, ZOHO, Hexaware	300	80

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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
2019	3	BE	EEE	ANNA UNIVERSITY	MBA



2019	3	BE	CSE	ANNA UNIVERSITY	ME - (CSE)
2019	3	BE	CIVIL	ANNA UNIVERSITY	M.E CONSTRUCTION MANAGEMENT
2019	2	BE	CIVIL	ANNA UNIVERSITY	M.E STRUCTURAL ENGINEERING
2019	2	BE	EEE	ANNA UNIVERSITY	M.E - EMBEDDED SYSTEM
2019	2	BE	EEE	ANNAMALAI UNIVERSITY	M.E - POWER SYSTEM
2019	2	BE	ECE	ANNA UNIVERSITY, CHENNAI	M.E (APPLIED ELECTRONICS)
2019	2	BE	ECE	ANNA UNIVERSITY, CHENNAI	M.E (EMBEDDED SYSTEMS)
2019	3	BE	ECE	ANNA UNIVERSITY, CHENNAI	MBA
2019	3	BE	ECE	VIT,VELLORE	MBA
2019	3	B.Tech	IT	ANNA UNIVERSITY	MBA
2019	4	B.Tech	IT	ANNA UNIVERSITY	M.E
2019	1	B.E	MECH	UNIVERSITY OF SOUTH FLORIDA	M.S - PRODUCT MANAGEMENT
2019	1	B.E	MECH	UNIVERSITY OF COLORADO , USA	M.S - RAPID PROTOTYPING
2019	1	B.E	MECH	OKLAHOMA IDAHO- STATE UNIVERSITY	M.S - IC ENGINES
2019	3	B.E	MECH	OREGON IDAHO- STATE UNIVERSITY	M.S - DESIGN FOR M ANUFACTURING
2019	1	B.E	MECH	UNIVERSITY OF ALBERA , CANADA	M.S - PETROLIUM ENGINEERING
2019	3	B.E	MECH	ANNA UNIVERSITY	M.E - CAD / E.D. / THERMAL ENGINEERING
2019	2	BE	CSE	ANNA UNIVERSITY ,CHENNAI	MBA

2019	1	BE	CSE	TEXAS UNIVERSITY , USA	MS
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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
GATE	5
CAT	2
GRE	1
TOFEL	2
Any Other	11
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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
Inter College Level Sports Tournament under the banner of DAKSHA 2K18	National	120
Inter College Level Cultural Events under the banner of DAKSHA 2K18	National	115
Anna University Zonal Level Basket Ball and Table Tennis Match	National	160
State Level Sports Tournament under the banner of SMMCRH 2K18	State Level	175
National Level Sports Tournament for School Students under the banner of SMIT 2K18	National	350
National Level Drawing/Painting Competition under the banner of Dr.APJ Remembrance Day	National	145
National Level Solo Instrument under the banner of Technical Level Symposium TECHNOSTICA'18	National	120
National Level Music Quiz event under the banner of Technical Level Symposium PARADOX'18	National	145
National Level Skit Event under the banner of Technical Level Symposium SYNCHRO 18	National	110

National Level Solo Dance event under the banner of Technical Symposium INFERNO 18	National	125
National Level Chess Competition under the banner of Technical Level Symposium ASCENT '18	National	140
National Level Group Singing Competition under the banner of Technical Level Symposium SCINTILATE18	National	95
National Level Adzap event under the banner of National Conference RAET 18	National	156
National Level Mime event under the banner of National Conference NCACTA '18	National	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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	IEEE Student Coordination Networking Lead	International	0	1	212612105012	CHELLIAH R
2018	IEEE Student Coordination Networking Lead	International	0	1	212612104005	Aravindan A
2018	Best Performer-Gold/Yoga	International	1	0	21809106091	M Uvashree
2018	RACE WALK third place	National	1	0	212613114072	K PRASANTH
2018	"DISCUST HOW SECOND PLACE"	National	1	0	212618205014	M VISHNU
2018	"FOUR HUNDRED METER RUNNING	National	1	0	212614114063	S RAMKUMAR

	SECOND PLACE"					
2018	"EIGHT HUNDRED METER THIRD PLACE"	National	1	0	21261810403	N ANBUSELVAM
2019	"FOUR HUNDRED METER RELAY THIRD PLACE"	National	1	0	21261810403	N ANBUSELVAM
2019	"FOUR HUNDRED METER RELAY THIRD PLACE"	National	1	0	212618114063	S RAMKUMAR
2018	"FOUR METER HUNDRED METER RELAY"	National	1	0	212618114056	S VIGNESH
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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 Objective of the Students Council is to provide ample opportunities to students in the academic and administrative decision making process of the Institution. This gives a forum to the students to nurture their leadership qualities, organizational behavior and also gives a provision to the academic and administrative system to expedite resolve any matter of conflict arising among the student's level. List of Probable Students who are eligible to become members of the Student Council are identified from every Department. These Students are invited for a presentation in front of panel members. The Panel members comprise of the Principal, HODs and Senior Professors. Office bearer of student council such as President, Secretary, Treasurer and Member Representatives are thus selected by the panel. The Specimen details of Academic Council Constitution are furnished in the table . Sl.No. Name of the student Year/Sem Department Designation 1. Kavin.L IV/VII Mechanical President 2. Nandhini.B IV/VII Civil VicePresident 3. Vignesh.T IV/VII EEE Secretary 4. Bhuvanshankar.S.S. IV/VII CSE Treasurer 5. Sriram.M IV/VII Mechanical Member 6. Eugene Victor.A IV/VII Civil Member 7. Aishwarya.G IV/VII CSE Member 8. J.Porkodi. IV/VII ECE Member 9. Chiranjeevi.S IV/VII EEE Member 10 Janaki.R IV/VII IT Member 11. SriDivya.G V/III MCA Member 12. Srinatha.N III/II MBA Member

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni are the key persons who promote the rate of Institution advancement appreciably by their loyal support, spirit of contribution in terms of financial as well as academic support. Alumni act as a bridge between the

Institute and industries for interaction on new developments in different disciplines of Engineering, Management and Computer Applications. Alumni serve as role models for the current students. Alumni are often in the position to engage the expertise of the Institution in their professional career. Focusing the above as objectives, our Institution has taken initiatives to register an Alumni Association in the name Sri Muthukumaran Institute of Technology Alumni Association (SMITAA) under Tamilnadu Society Registration Act 1975 with the following details: President : Dr.V.Anitha Vice President : Mr.A.Parthiban Secretary : Mr. Jayakrishnan Joint Secretary : Ms. AarthiElaveni Treasurer : Mr. K.Praveen Executive Committee Members : Ms G. Sandra Karunya, Mr.A.Aravindhyan Ex Officio Member : Dr. D. Padma Subramanian Principal, SMIT Contributions of Alumni: Our alumni are contributing. To promote the status of our Institution to the next higher level in three different aspects. They are, 1.Academic aspects 2.Infrastructure aspects 3.Outreach aspects Academic aspects: Our alumni students constantly interact with the Department / Institute or the students to extend their valuable support on various academic activities as listed below: • Alumni pursuing higher education at foreign universities donate books and study materials of advanced topics. • They extend their support to the current students in their project work. • Alumni association, sponsors for conducting technical workshops, conferences and symposia. It supports the students to carry out industrial projects. • The alumni students associated in various technical industries help the Institute to undertake increased number of Consultancy projects. • Alumni association help the present students to present publish technical papers, circulate engineering books periodicals. • Our Alumni association sponsors special programs /workshops related to Personality Development and Soft skills. Infrastructure Aspects: • It also sponsors books to the library on rare topics. • Our Alumni students contribute innovative teaching aids such as LCD projectors, smart board, • OHPs and other stationery items to their respective departments. • It also helps in establishing scholarships to deserving students, provides loans and other monetary and nonmonetary assistance for higher education Out reach aspects: The Alumni serve as brand ambassadors for the purpose of promoting the brand value of the Institution in different ways, as listed below: • Posting and updating the feedback with positive features in the website of the Institute. • Volunteering for the meetings and rallies on any social causes in the name of our Institute. • Publishing and circulating about the positive features of our Institute in the social Medias. • They also spread the meritorious features of the Institute to the neighbours both in the residence as well as in their work place With these key contributions to its parent Institution, the alumni association maintains a network with its members and the Institute.

5.4.2 – No. of enrolled Alumni:

2450

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

2

## **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)

A case study of pursuing academic research leading to Ph.D. in support of

practicing decentralization and participative management in the Institution is furnished below: Sri Muthukumaran Institute of Technology has obtained Institutional recognition as approved research centers for conducting MS/Ph.D programmes in the departments of Computer Science Engineering and Electrical and Electronics Engineering from Center for Research, Anna University. The mechanism followed for conducting research program leading to Ph.D is explained with a case study of research scholar. Mr.G.Kannan who is pursuing Ph.D program in the department of EEE under the supervisoryship of Dr. D. Padma Subramanian, Principal. The various stages he has undergone in pursuing Ph.D program is explained as follows: The Candidate Mr.G.kannan after clearing common entrance exam and selected by Anna University is allowed to do research under the research centre in the department of EEE. Research scholar is permitted to undergo course work under the supervision of guide as per the recommendation of doctoral committee. His progress is monitored by conducting research review meetings. The doctoral committee is formed comprising of head of the Institution, Head of the Department, supervisor and expert members from other Universities as per norms. Minutes of DC meeting is made available and submitted to the University. Research norms are framed in line with norms laid down by the affiliating University. The paper to be published by the scholar is scrutinized by the research committee. Research scholar is directed to give presentation periodically to the research committee in order to monitor this progress in research. Relevant industry is identified for the research scholar for data collection, experimental work and linking of industry with research. Financial assistance is extended to publish papers in conference and journals and to take membership in professional societies. Guidance is given to scholar to proceed with the research work in tune with identified problems and assistance is extended for completion in a stipulated time of 3 to 4 Months.

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

Yes

## 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
Teaching and Learning	Encouragement and facilitation towards incorporation of ICT, self learning through LCS, webinars, MOOCS. Encouragement of skill upgradation of faculty through FDPs, Workshops and seminars.
Library, ICT and Physical Infrastructure / Instrumentation	Encouragement and facilitation towards incorporation of ICT, self learning through LCS, webinars, MOOCS.
Curriculum Development	Based on Feedback obtained from alumni ,students and Employers
Examination and Evaluation	Formulation of guidelines for conduct and evaluation of assessment test and dissemination of same through academic calendar. Credibility of evaluation is ascertained through surprised and scheduled audits.
Research and Development	Monitored through Research and IPR cell with a benchmark, set for Paper Publication, Patent filing and Fund mobilization for research.

	Encouragement extended to faculty in Paper publications and attending National/ International Conferences
Industry Interaction / Collaboration	Encouragement extended to faculty in Paper publications and attending National/ International Conferences, FDP and Workshops.
Admission of Students	For the programs offered by the Institution, 50 seats are admitted through single window counseling systems followed by Tamilnadu Engineering Admission (TNEA) procedures. The remaining 50 management quota seats are filled through entrance exam conducted by the Institution.

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

E-governance area	Details
Planning and Development	Year of Implementation: 2008 web administrator Sri Muthukumaran Institute of Technology , Chikkarayapuram , Chennai600 069 Ph044 66110200, smitcollege 1996@gmail.com
Administration	Year of Implementation: 2008 web administrator Sri Muthukumaran Institute of Technology , Chikkarayapuram , Chennai600 069 Ph044 66110200, smitcollege 1996@gmail.com.
Finance and Accounts	Year of Implementation: 2009 Accountant ,Sri Muthukumaran Institute of Technology , Chikkarayapuram , Chennai600 069 Ph044 66110200, smitcollege 1996@gmail.com
Student Admission and Support	Year of Implementation: 2008 web administrator .Sri Muthukumaran Institute of Technology , Chikkarayapuram , Chennai600 069 Ph044 66110200, smitcollege 1996@gmail.com
Examination	Year of Implementation: 2012 web administrator Sri Muthukumaran Institute of Technology , Chikkarayapuram , Chennai600 069 Ph044 66110200, smitcollege 1996@gmail.com

#### 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	Dr.Parimalam.L	New Dimension in Commerce and Industry in the	Bannari Amman Institute of Technology,	500

		Globalised ERA	Erode, Tamilnadu, India	
2018	K.Pregina	National Conference On Emerging Trends in Management	Anand College of Engineering	500
2018	Suresh.M	22nd International Conference on Modern Trends in Science, Engineering and Technology, October 2018	SIET , Teynampet	500
2018	Abilash.A	International Conference on on Emerging Trends in Engineering, Technology, Science and Man agement(ICET201 8	Adithya Intitute of Tec hnology,Coimbat ore	500
2018	Sibi solomon	International Conference on Global Trends in Engineering, Technology and Management (ICG TETM2016)	Shram Sadhana Bombay Trust's College of Engineering Technology, Bambhori, Jalgaon, Ms, India.	500
2018	Thiyagarajan K	New Dimension in Commerce and Industry in the Globalised ERA	Tamilnadu College of Engineering, Ka rumathampatti, Coimbatore, India.	500
2018	Mr.M.Arsath Rahuman	International Conference on Computational Intelligence Advanced Manufacturing Research	Indian Society for Technical Education (ISTE )	500
2018	Mrs.P.Vanitha	One day National Level Seminar on Nuclear Energy and Future Generation	ISTE chapter	500
2018	Mrs.M.Sheela	3 days workshop on Printed Electronics	ISTE chapter	500



2018	Mr.T.Madhan	Hands on Internet of Things	ISTE chapter	500
2018	Mrs.K.Niraimathy	Smart Grid Protection Solution	IOSRD	500
2018	Mrs.P.Shanthi	Hands on Workshop on Practical Introduction to MATLAB for Scientific Computing and Engineering	ISTE chapter	500
2018	Mr.G.Kannan	One work shop on Research Apporututines in Emerging Areas of Electrical Engineering	IET	500
2018	Mrs.M.Aarthi Elaveini	Seminar On " Embedded systems"	ISTE chapter	500
2018	Ms.S.Keerthana	Workshop on Bluetooth controlled Robot	ISTE chapter	500
2018	Mr.A.Azeezur Rahuman	2 days workshop on Power Conservation for Samrt Grids	ISTE chapter	500
2018	Mrs.S.JerrilG ilda	Seminar On "Introduction of wind energy in India"	ISTE chapter	500
2018	Mr.R.Siva	National Level Technical Seminar on Impact of Transients on Power Systems and its Control Techniques	ISTE chapter	500
2018	Ms.R.Santhana poongodi	Solar PV systems and its thrust areas"	ISTE chapter	500
2018	Mrs.K. Macharegai	International conference on applied mathematics in Engineering and	Indian mathematical society(IMS)	500

		Technology		
2018	Ms.K.Rajalaks hmi	National conference on Emerging trends in mathematical sciences	National Board for Higher Mathematics (NBHM)	500
2018	Mr.K.Parasura man	National Conference on Advanced Materials	SRI RATHNA TATA TRUST	500
2018	Ms.P.Rajalaks hmi	National Conference on Research and Development in Science, Engineering and Technology	SRI RATHNA TATA TRUST	500
2018	Dr.S.Murugana ndam	National Conference on Research and Development in Science, Engineering and Technology	SRI RATHNA TATA TRUST	500
2018	Dr.K.Sreenadh aRao	International Conference on Advanced Research in Biology, Engineering, Science and Technology	DST	500
2018	Mr.D.Anand	National Conference for Modern World	DST	500
2018	Dr.S.Sivakumar	National conference on Advanced Functional Materials and applications	Indian institute of Chemical engineers (IIChe)	500
2018	Ms.K.Preethi	International Conference on Biological, Civil and Environmental Engineering	ISTE	500
2019	Mrs.M.R.Mahal akshmi	Physical Deisgn of Analog and Digital Circuits Using Cadence Design Suite	ISTE	500

2019	Mr.V.Parthiban	Workshop on Digital VLSI design	ISTE	500
2019	Ms.S.Amutha	National workshop on Public Awareness Program on Building damage and Repair	ISTE	500
2019	MR.N.SESHAN	National workshop on Technology Roadmap for Wastewater Treatment	ISTE	500
2019	MR.S.SIVAKUMAR	International Conference on Biological, Civil and Environmental Engineering	ISTE	500
2019	MR.S.RAGHAVEN DRAN	National Conference on Emerging Trends and Innovations in Chemical engineering	ISTE	500
2019	Dr.V. Anitha	Recent Trends In Engineering Technology	ISTE	500
2019	Mrs.D.Shanthi Chelliah	National Conference on Scientific Research and Development in Biomedical Engineering	ISTE	500
2019	Mrs.M.Saraswathi	National Conference on Scientific Research and Development in Biomedical Engineering	ISTE	500
2019	Mr.B.Venkatar amanaiah	Image processing framework using FPGA	ISTE	500
2019	Mr.E.Pandian	International conference on global information technologies	ISTE	500

2019	Dr.L.Josephine Mary	National Level Workshop on Python Programming	IET Chennai Chapter	500
2019	Mrs.T.R.Dhivya	National Level Workshop on conceptual practices in Industrial Automation	IET Chennai Chapter	500
2019	Mr.N.Ganapathy	One Day National Level Workshop on Database Design and Programming with SQL	IET Chennai Chapter	500
2019	Mr.A.G.Ignatius	National Conference on Recent Advancements in Signal Processing and Communication	ISTE Chapter	500

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

Year	Title of the professional development programme 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	Opensource Tools Handson training	Opensource Tools Handson training	06/08/2018	06/08/2018	56	27
2018	First Aid Management Training	First Aid Management Training	20/08/2018	20/08/2018	54	31
2018	Road Safety Training	Road Safety Training	27/08/2018	27/08/2018	54	32
2019	Stress Management Training	Stress Management Training	21/01/2019	21/01/2019	44	32
2019	Meditation Training	Meditation Training	18/02/2019	18/02/2019	55	23
2019	Training on	Training on	18/03/2019	18/03/2019	45	22

	Improving Public Speaking skills	Improving Public Speaking skills				
2018	Professional Motivation and Work Ethics	Professional Motivation and Work Ethics	15/09/2018	15/09/2018	140	65
2019	Keep Up to Date With Technology	Keep Up to Date With Technology	25/02/2019	25/02/2019	160	72
2019	How To Be A Natural Leader	How To Be A Natural Leader	06/03/2019	06/03/2019	163	30
2018	Seminar on "SOFT SKILLS"	Workplace knowledge and skills	18/08/2018	18/08/2018	34	20
2018	Workshop on Modern Technology in Civil Engineering	Effective laboratory management	17/09/2018	17/09/2018	35	20
2018	EContent Development and ELearning	Personality Development	17/02/2019	17/02/2019	33	20
2018	Short term course on Green materials used in construction	Interpersonal skills development	18/03/2019	18/03/2019	43	20
2018	Workshop on Teaching Methodology	Workshop on PC assembling and servicing	30/03/2019	30/03/2019	150	45
2018	Guest Lecture on Mobile communication	Workshop on PCB design	28/02/2019	28/02/2019	30	15
2018	Workshop on Digital VLSI design	Workshop on Handson Electronics	10/06/2018	10/06/2018	25	35
2018	One day state level	MT Lab I II Training	12/07/2018	12/07/2018	45	12

	workshop on Geotechnical Practical Practice					
2018	Object Oriented Programming Research Methodology	Edx Engine	06/08/2018	06/08/2018	54	15
2018	Entrepreneurship Development	5S talk during every faculty	17/01/2019	17/01/2019	52	14
2018	Accreditation Process for Technical Institution	Thermal lab III Training	05/02/2019	05/02/2019	50	17
2019	Research Paper writing Tips Tricks	Renewable energy	07/09/2018	07/09/2018	45	13
2019	Faculty Development Program on Networking for CAD Technology	CAD MODELLING	26/04/2019	26/04/2019	41	12
2019	Faculty Development Program on FEA	Nodal function	20/05/2019	20/05/2019	48	15
2019	Workshop on technical english	Troubleshooting in Oracle	11/08/2018	11/08/2018	120	20
2019	Workshop on Latest developments in the field of technology	Training programme on Usage of fire extinguisher	14/03/2019	14/03/2019	36	10
2019	Workshop On Graph Theory and its Applications	Hands on training in chemicals, glass ware and equipments	20/04/2019	20/04/2019	32	30

2019	Workshop on Optical fiber communication	Workshop on manipulation of materials and measuring instruments	17/05/2019	17/05/2019	20	18
<a href="#">View File</a>						

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
Short Term Courses on Recent Advances in Software Engineering	3	18/12/2018	19/12/2018	2
Faculty Development programs/ How to write project Research papers	3	27/10/2018	31/10/2018	4
Refresher Courses on Information Communication/ on Technology	6	04/10/2018	08/10/2018	4
Faculty Development Programme on Research Frontiers in Networking	3	10/11/2018	11/11/2018	2
Short Term Courses on Bioinformatics Information Technology	2	04/04/2019	04/04/2019	1
Faculty Development programs on Cloud Based machine learning algorithms for Big Data Mining	5	25/05/2019	27/05/2019	3
Faculty Development Programme on	5	08/05/2019	09/05/2019	2

Artificial Intelligence and its Applications				
One Day Workshop on Research Methodology	5	08/08/2018	08/08/2018	1
FDP on 3d Animation and Gaming	2	21/08/2018	23/08/2018	3
Orientation Program on Python Programming	2	03/09/2018	03/09/2018	1
FDP on Cybersecurity And Cryptography	3	27/09/2018	29/09/2018	3
FDP on Big Data Analytics	6	15/10/2018	15/10/2018	1
Workshop on Mobile Application Development	1	23/10/2018	24/10/2018	2
Workshop on "Personality Development	1	30/10/2018	30/10/2018	1
Personality Development and Placement Training	2	12/11/2018	12/11/2018	1
Interaction programme for Research Scholars	3	15/11/2018	19/11/2018	5
Workshop on Modern Technology in Civil Engineering	4	29/11/2018	29/11/2018	1
Workshop on "How to get External Funds"	5	03/12/2018	03/12/2018	1
EContent Development and ELearning	5	10/12/2018	13/12/2018	4
Workshop on "Right Project Right Career"	5	27/12/2018	29/12/2018	3
Short term course on Green	1	03/01/2019	03/01/2019	1



materials used in construction				
Refresher course on Design of Reinforced concrete elements	1	07/01/2019	07/01/2019	1
Workshop on Mat and Pile foundation	2	17/01/2019	17/01/2019	1
Seminar on Spatial Intrepretation of Land cover and land use map	2	28/01/2019	30/01/2019	3
Short term course on Green materials used in construction	2	04/02/2019	06/02/2019	3
Refresher course on Design of Reinforced concrete elements	2	11/02/2019	11/02/2019	1
FDTP on Advanced computer architecture	1	14/02/2019	14/02/2019	1
Guest Lecture on Mobile communication	1	20/02/2019	20/02/2019	1
FDP on Outcome based Education system and Values of NBA	2	01/03/2019	01/03/2019	1
Workshop on Digital VLSI design	3	04/03/2019	04/03/2019	1
Workshop on FPAA	4	08/03/2019	08/03/2019	1
International Faculty Development Programme on "Global Education Strategy for Business Technology"	5	11/03/2019	12/03/2019	2

Refresher Course on ERP	4	08/04/2019	08/04/2019	1
National level Faculty development program on "Engineering and Management teaching strategies or excellence"	4	10/04/2019	10/04/2019	1
Workshop on MATLAB	3	15/04/2019	15/04/2019	1
Teaching Development programme	3	07/05/2019	07/05/2019	1
FDP on Design of Electrical Machines	1	09/05/2019	09/05/2019	1
Workshop on Application of MEMS technology	1	10/05/2019	11/05/2019	2
Seminar on Power systems simulation using ETAP	2	16/05/2019	20/05/2019	4
Workshop on Computer Hardware and Servicing	2	27/05/2019	27/05/2019	1
Guest talk and Hands on training on Embedded Systems and Drives	3	28/05/2019	30/05/2019	3
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
175	175	110	110

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
175	110	663

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Audit Mechanism: All the financial transactions on a day to day basis are handled by the accounts section which comprises qualified accountants.

Separate ledgers are kept for fee collection and expenditure. Expenditure other than major payment is accounted under petty cash in three cases under bus, miscellaneous and hostel. Maintenance of ledger is carried out with reference to opening and closing balance and it is duly verified with tally reports generated for the same. The ledgers and tally reports are submitted for verification by the Administrative officer/Principal on a daily basis. Payment of salary is initiated based on approved pay bill statements. Purchase payment is carried out following the purchase settlement procedure which includes submission of invoice, stock entry report and testing reports from department/unit officers. Utility bills payments are carried out based on utility bills received. Payment on repairs and maintenance is carried out as per the requirement raised by the departments/unit officers/Committees/Cells. External Audit Mechanism: An external audit team comprising CA, FO and Finance Accountants visit the college. A proof of all financial transactions is submitted for verification of the auditing team. Audit objections, if any, are settled by mutual discussions and clarifications. Finally, the external auditing team approves the balance sheet. Copy of balance sheet is made available to statutory bodies, trust office and the Governing Committee.

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
Nongovernment bodies, Individuals, Philanthropers	100000	Sponsorship towards Academic activities
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

6500000
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## 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	Anna University	Yes	Principal
Administrative	Yes	Anna University	Yes	Principal

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

1.Parents and Teachers association help the Institution to circulate engineering books periodicals for the benefit of students. 2.Support for Conduct of awareness camps and rally. 3. Financial support for poor students.
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6.5.3 – Development programmes for support staff (at least three)

1.Stress Management Training 2.Yoga Training 3.Training on Improving Public Speaking skills 4.Professional Motivation and Work Ethics
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1.More industry linkages in Academic, Research, Consultancy and Extension activities are initiated. Dr.Vijayarajeshwaran,MD,VI Micro systems is nominated as visiting Professor under DVPINAE scheme under AQIS AICTE scheme for bringing Industry participation in academic,research and extension activities. 2. More
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initiatives in promoting participatory governance through incorporation of ERP in Library management, Fees collection, Students admission monitoring and Students feedback mechanism. 3. The college has initiated formal linkage with Centres of Excellence such as IIT, Chennai through Margadharshi Scheme in which our college is selected with as mentor and as mentee.

#### 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	Video Lecture on Map Reducing In HADOOP	07/07/2018	07/07/2018	10/07/2018	25
2018	Webinar on Open Stack Source	10/08/2018	10/08/2018	16/08/2018	30
2018	Soft Skill For IT Final Year Students	16/08/2018	16/08/2018	16/08/2018	27
2018	NPTEL Video Lectures on Pattern Recognition	21/09/2018	21/09/2018	21/09/2018	50
2018	Project exhibition	26/10/2018	26/10/2018	26/10/2018	50
2018	Lecture on entrepreneur cell development	30/10/2018	30/10/2018	30/10/2018	50
2018	Webcasts On "Source code editor	15/11/2018	15/11/2018	16/11/2018	50
2018	VideoLecture on Embedded Systems	20/12/2018	20/12/2018	20/12/2018	35
2019	MOOCS Initiatives For civil Second Year Students	06/01/2019	06/01/2019	06/01/2019	30
2019	Video Lecture on Kinematics	03/03/2019	03/03/2019	03/03/2019	60

**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
Gender Equity towards Education	13/08/2018	13/08/2018	60	86
How Higher Education can Impact Gender Equity	24/09/2018	24/09/2018	71	52
How Higher Education can Impact Gender Equity	22/10/2018	22/10/2018	36	90
The daily challenges faced by women	05/11/2018	05/11/2018	25	60
Special Program for Women Rights	18/12/2018	18/12/2018	55	90
Special Address for carrer women	21/01/2019	21/01/2019	25	90
Special Lecture on importance of Girl child Education	18/02/2019	18/02/2019	50	110
A special Lecture sexual harresment women at work	22/03/2019	22/03/2019	40	95

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

Annual power requirement met by the renewable energy sources (in KWH): 116000  
Total annual power requirement (in KWH): 580000 Percentage of power requirement of the University met by the renewable energy sources:20

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	15
Provision for lift	Yes	50

Ramp/Rails	Yes	50
Braille Software/facilities	Yes	15
Rest Rooms	Yes	30
Scribes for examination	Yes	20
Special skill development for differently abled students	Yes	40

#### 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	5	0	19/11/2018	1	Centre for Tamilnadu Uniformed services Recruitment board	Examination centre for public	1500
2018	5	0	12/08/2019	1	Centre for Indian ordnance factory limited exam	Examination centre for public	2000
2018	5	0	10/12/2018	1	Sub inspector exam	Examination centre for public	2000
2019	5	0	08/01/2019	1	swachh bharat	Cleaning	100
2019	5	0	06/02/2019	1	Unnat Bharath Abihayan	rural development processes	100
2018	0	5	15/11/2018	1	Early age marriage	women empowerment	50
2018	0	5	05/09/2018	1	Right of education to all	Social awareness	65
2018	0	5	17/07/2018	1	Citizen responsib	National	100

					ilities for nation	responsibility	
2019	0	5	04/02/2019	1	Awareness on Unemployment	Social awareness	150
2019	0	5	18/03/2019	1	Equal respect to professions	Professional ethics	125
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
SMITH Handbook 201819	02/07/2018	1. Students are expected to maintain the highest standards of discipline and dignified manner of behavior inside as well as outside the College campus. They shall abide by the rules and regulations of the College and should act in a way that highlights the discipline and esteem of the College. 2. No student shall enter or leave the class room when the session is on without the permission of the faculty concerned. 3. All students shall leave the classes immediately after 4.15 p.m. No students shall wander or gather in verandah, corridor, and staircase etc. 4. Students are advised not to bring powered vehicles inside the campus

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Program on National Unity	17/10/2018	17/10/2018	175
A special Lecture on Rights on Indian Citizens	28/12/2018	28/12/2018	200
A special Lecucture on National Integration Day	31/10/2018	31/10/2018	165

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

**Solid Waste Management:** The Institute obtains sanitary certificate, occupation certificate, health certificate, fire and safety certificate, hazards license, structural safety certificate and form "D" from competent authorities as part of environmental consciousness and sustainability. • Solid wastes are collected in separate bins for organic and inorganic waste. • Solid waste bins are kept at strategic locations and segregation of waste is consistently done. • Solid wastes of canteen and hostel mess are processed in the nearby compost pit.

**Liquid Waste Management:** • Water conservation practices are being adopted by means of awareness Programmes periodically for students and faculty. • The sanitary process is maintained by Engineers on a regular basis which keeps the environment clean and healthy. • Wastewater treatment plant is set up within the Institute premises and the wastewater is sent for recycling and reused for watering the garden.

**Ewaste management:** • The Institute is in the process of signing MOU with SMIS, which is an authorized ewaste processing centre as per ISO 14001 standards. It is planned that ewaste like an old computer and other electronic instruments etc may be given to ewaste processing centre and thereby ewaste can be recycled, reused and disposed of safely. • Some of the Electronic waste material and its components are also used for practical demonstration purposes to the students during the laboratory sessions and students utilize the same for dismantling and reassembling, which leads to practical ways of learning. • Many awareness programs are conducted in collaboration with ewaste processing centre for the local community to involve in effective Ewaste management techniques.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Best practice 1.** Title of the Practice: Nurturing the technological advancements in Engineering for the benefit of medical applications

2. Objectives (i) To identify thrust areas in medical diagnostics and treatment. (ii) To implement state of the art technological development in Engineering to the field of medical diagnosis and treatments

3. The Context Engineering fields such as Artificial intelligence, material science, embedded systems and controllers are witnessing rapid technological advancements. There is a potential need for precise, expeditious and economical diagnostic tools and affordable medicines for the treatment of life threatening diseases like tumour, cancer and various other disorders using the applications of the advancements in the Engineering fields.

4. The Practice Staff and Students are encouraged to choose topics related to the Engineering application in the medical field for pursuing projects. Dr. V. Anitha, Professor, Department of EEE was encouraged to pursue her Doctoral Research in the above field. She successfully completed her doctoral work titled "MRI Brain Tumor classification using supervised and unsupervised adaptive segmentation technique". She received her PhD in the year 2016. The facilities required to conduct the project is extended with the help of Sri Muthukumaran Medical College and Research Centre which is a 750 bed multispecialty medical college situated adjoining our Institute.

5. Evidence of Success A total of 8 mini, 15 academic, 6 funded projects, and 1 Ph.D work are completed. Several projects are ongoing.

6. Problems encountered and Resources required Data collection from various laboratories and diagnostic centres, obtaining case summary of the patients and corroboration of findings were tough and cumbersome. Resources required are laboratory test results, state of the art softwares and various laboratories test facilities.

**Best Practice 2.** 1. Title of the Practice: Upliftment of Local Community through various Service Activities

2. Objectives 1. To raise the living standards of local community by creation of opportunities for



employment, higher education, health and welfare measures. 2. To provide a clean ambience for the local community 3. The Context To spread the outreach of the Institution for the benefit of local community 4. The Practice • The Institute extends preference to the local community for filling up vacancies. • Students from local community are given preference for admission to various programs offered along with fee waiver schemes. • The Institute periodically conducts various health, awareness and relief camps, and distribution of food packets during natural disasters with a view to impart healthy living standards in the daily life of local community. • The Institution takes initiatives in cleaning the surroundings by way of providing better sanitation facilities, measures to avoid water stagnation, laying of tarred roads and recycling measures for waste disposal. 5. Evidence of Success Details of evidence of success achieved during the year 20182019 is furnished below Employment to local community 69 employees, Fee waiver scheme 118 students, School adoption 1 school, Awareness camps 10 camps. 6. Problems Encountered and Resources Required Hostility of certain local community. To circumvent the hostility several propogandas, advertisements and one to one canvassing of local community needed to be extended.

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

<http://www.smit.edu.in>

### 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

1. Goal: To transform students as world class Professionals capable of meeting global challenges. 2. Objectives • The Institute is committed in moulding students as worldclass professionals capable of meeting global challenges by imparting quality education with high ethical values as stated below: • The Institute provides a conceptual understanding of subjects with lateral thinking approach which enable them to obtain higher pass percentage. • The Institute trains the students for various national and international competitive examinations Which enable them to secure higher ranking and hence facilitating gateway for higher education. • Industry Oriented Programs are conducted which imparts the skills needed for moulding as employable graduates. • Institute provides conducive ambience to pursue innovative research in thrust areas and to address realtime industrial problems. This enables the students emerge as leading researchers and successful entrepreneurs. • Students with flair for sports/ cultural activities are given training and opportunities to emerge as all around personalities. 3. Higher Pass Percentage of Students • The faculties with vast teaching experience and expertise are identified as a mentor to the students. • Trained faculty prepare course material which includes videos lectures ,software tools and question banks with model answers for the benefit of acquiring higher pass percentage. • Continuous monitoring student's performance by means of weekly monthly assessment tests, special tutorial remedial classes forms the epicentre of the entire academic process, converging to higher pass percentage. 4. Higher Education of Students • Students are encouraged to pursue the higher education and to nurture the spirit of the lifelong learning process. • Training classes are arranged for various competitive and public service examinations conducted by Government and various other agencies. • The students on qualifying in the competitive examinations become eligible to take admission in Premier Institutes in the country and in foreign universities. 5. Employable Graduates Internships programs are conducted during the winter and summer vacation which expose students to the knowledge of latest technology/tools, acquire the best engineering practices, project management techniques, leadership qualities, and effective

communication skills. 6. Students Contribution in Research and Development

Students are inducted to research at an early stage by giving them opportunities to present seminars and avenues to complete mini Projects. This gives forum for identifying students with research aptitude at an early stage and they are tagged to PG students / research scholars. The students are encouraged to jointly contribute to the problems addresses by PG/PhD scholars.

Thus a research forum is evolved and an ecosystem is developed for dissemination of knowledge through publications, presentations, implementation of funded projects and peer group networking. 7. Sports and Cultural activities The skills of students are identified and they are encouraged through creation of opportunities for participating in various intercollegiate events in Sports as well cultural activities. This is in line with Institute's vision, to emerge as a premier Institute with supreme standards and R D outputs, performance in sports and cultural events where students have won many national/international awards.

Provide the weblink of the institution

<http://www.smit.edu.in>

### **8.Future Plans of Actions for Next Academic Year**

The Institution in pursuit of "Transformation through quality education" imparts world class Engineering / Management education of supreme standards with a view to mould students as competent professionals capable of meeting global challenges. The Institute with its constant endeavor to create an academic ambience for imparting quality education, has incorporated many new initiatives such as Choice Based Credit System model curricula as perceived by Anna University, mandatory internship for students, Industry Institute Interaction cells, Faculty Development Programs, support for innovation in entrepreneurship, innovative student induction programs, futuristic MOUs with reputed companies, interlacing ICT based teachinglearning process, transparency in administration/ accounting through e-governance, implementing tech savvy cutting edge research, promoting student progression through higher education, employment etc. The Institution believes in achievement of its vision and mission through creation, transmission and dissemination of knowledge. The Institution has profound commitment towards community development and Nation building through its futuristic vision with emphasis on ethical practices. As a commitment towards environment consciousness and sustainability, the Institution has adopted several alternate energy initiatives and green practices to ensure the existence of green ecosystem. The Institution takes pride in its efforts in nurturing the technological advancements in engineering for the benefit of medical applications and upliftment of local community through various service activities as its best practices. The Institution, as a culminatory effort to achieve the above said aspects, presents its credentials to national assessment and accreditation council in pursuit of obtaining highest level of assessment and accreditation status awarded by NAAC. Short term plan: 1.To obtain the autonomous status 2.To obtain the status of Centre of Excellence in Research Long term plan 1.To obtain the state university status 2.To obtain the status of globally acclaimed Research University