Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr D RAJINI GIRINATH**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**044-66110200**
Mobile no.	**9884348813**
Registered Email	**smitcollege1996@gmail.com**
Alternate Email	**dgirinath@gmail.com**
Address	**Sri Muthukumaran Institute of Technology, Chikkarayapuram, Near Mangadu Chennai-600069 Kancheepuram Dist,Tamil Nadu**
City/Town	**CHENNAI**
State/UT	**Tamil Nadu**

Pincode	**600069**

2. Institutional Status

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**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.smit.edu.in

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.smit.edu.in

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.67**	**2018**	**26-Sep-2018**	**25-Sep-2023**

6. Date of Establishment of IQAC	**14-Sep-2011**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Video Lecture on entrepreneur cell development	05-Jul-2019 2	25
Webinar on Mobile Computing	16-Jul-2019 2	35
MOOCS Initiatives For MCA Third Year Stud Mini Project review	12-Aug-2019 1	25
Project exhibition	16-Sep-2019 1	175
VideoLecture on Embedded Systems	18-Oct-2019 1	25
NPTEL video lectures on Advanced 3G and 4G wireless mobile Communication	11-Nov-2019 1	30
Webinar On Student Leadership Development	06-Dec-2019 1	30
MOOCS Initiatives For IT Second Year Students	28-Dec-2019 1	20
NPTEL Video Lectures Estimation of Signals and Systems	22-Jan-2020 1	35
Webinar on Graphic Designing	17-Feb-2020 1	40

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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
Dr. R. Vijayarajeswaran,	AICTEINAE Distinguished Visiting Profesorship	AICTE	2019 365	150000
Dr.B.Ramesh	Tamil Nadu State Government Student Project	TNSCST - State Government Project	2019 60	7500
Dr B Sreenivas	AICTEINAE Distinguished Visiting Profesorship	AICTE	2020 365	150000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**Yes**
If yes, mention the amount	**25000**
Year	**2019**

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

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

Plan of Action	Achivements/Outcomes
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	**• Practice of experimental learning, participative learning and problem solving methodologies for enhancing learning experience • Implementation**

	through technical events, in house projects,multi disciplinary projects, end semester projects, club/department/ professional society activities
Innovation and creativity in teaching learning	"• Encouragement and facilitation towards incorporation of ICT, self learning through LCS, webinars,NPTEL MOOCS, video lectures in thrust areas • Encouragement for skill development programs for faculty through faculty development programs/ orientation programs/ refresher courses. "
Implementation of reforms in CIE	"• 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 • Incorporation of evaluation through other activities such as bridge courses, value added courses, group discussions, practical exposure and skill development programs "
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	"• Ascertaining the adequacy of physical facilities through stock maintenance and annual stock checking • Separate stock checking of library to ascertain the library adequacy • Initiation of purchase procedure for meeting any deficiency and future requirements. • Separate stock checking of IT infrastructure including computing equipments, Internet and Wi-Fi. • Establishing systems and procedures for maintenance of academic and support facilities existence. "
"• Catering to student support through various scholarships, free ships etc.. • Devising mechanism for timely redressal • Catering to placement of students and higher education • Catering to students involved in sports and cultural activities. • Catering to existence of student council • Catering to alumni association and its contribution towards institutional development. "	• Facilitation of scholarship/ freeship from Govt./ Non govt. agencies through well defined process. • Grievance redressal is implemented through various committees and squads. • Arrangement of on/ off campus interviews through various recruiters • Moulding of students to face campus interviews/ competitive exams through skill development programs / CEDs programs. • Organizing several 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. Alumni account is maintained. Joint ventures are formulated to support alumni engagement and contribution.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Anna University	**19-Mar-2020**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**14-Oct-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**05-Feb-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton 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/entreprene urship	Skill Development
Design concepts using Photoshop	Nil	24/07/2019	7	Nil	Skill Development
Two wheeler service	Nil	19/08/2019	3	Employabil ity	Nil
Hardware Assembly with animation	Nil	25/09/2019	5	Entreprene urship	Nil
House Wiring	Nil	14/10/2019	5	Employabil ity	Skill Development
Transition management in changing business environment	Nil	30/10/2019	5	Entreprene urship	Nil
ORACLE 9i	Nil	11/11/2019	7	Entreprene	Nil

SQL					urship
Computer software installation	Nil	03/12/2019	7	Employability	Skill Development
Mobile Application Using Android	Nil	23/12/2019	3	Nil	Skill Development
Free and Open Source Software Laboratory	Nil	06/01/2020	7	Entrepreneurship	Nil
Mechanism using Hydraulic and Pneumatic Drives	Nil	22/01/2020	5	Nil	Skill Development
Free and Open Source Software Laboratory	Nil	03/02/2020	7	Entrepreneurship	Nil
Circuit design using PSPICE/ORCAD	Nil	18/02/2020	3	Employability	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	MC7017-Network Protocol	08/08/2019
MBA	MC7003-Accounting and Financial Management	08/08/2019
ME	PS5073 - Electric Vehicles and power management	18/12/2019
ME	PX5152 - Analysis and Design of Power Converters	18/12/2019
ME	EE6008 – Microcontroller Based System Design	18/12/2019
BE	EE6004 - Flexible AC Transmission Systems	03/07/2019
BE	CC5291-Design of Manufacture, Assembly and Environments	03/07/2019
BE	ED5005-Design of Hydraulic and Pneumatic Systems	03/07/2019
BE	ME6012-Maintenance Engineering	03/07/2019

BE	ME6005-Process Planning and Cost Estimation	03/07/2019
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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	03/07/2019
BE	Computer Science Engineering	03/07/2019
BE	Electronics and Communication Engineering	03/07/2019
BE	Electrical and Electronics Engineering	10/08/2020
BE	Mechanical Engineering	10/08/2020
BTech	Information Technology	10/08/2020
ME	Computer Science Engineering	10/08/2020
ME	Applied Electronics	10/08/2020
ME	Embedded System Technology	10/08/2020
ME	Power System Engineering	10/08/2020
ME	Engineering Design	10/08/2020
ME	Computer Aided Design	10/08/2020
ME	Master of Business Administration	10/08/2020
ME	Master of Computer Application	10/08/2020
PhD or DPhil	Computer Science Engineering	10/08/2020
PhD or DPhil	Electrical and Electronics Engineering	10/08/2020

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

	Certificate	Diploma Course
Number of Students	35	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
Recent trends and programming in IOT technology	06/06/2019	85
First Aid Management Training	11/08/2019	70

Workshop on Group discussion skills	16/09/2020	65
Yoga Training	20/10/2019	90
3 D Animation Web Designing	22/11/2019	50
Career Guidance on Social Approach	03/01/2020	125
E-Content Development and E-Learning	22/01/2020	200
3 D Animation Web Designing	03/02/2020	125
Workshop on Lab Safety Measures	25/02/2020	75
Communication skills for employability	03/03/2020	80
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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	ME6302-Manufacturing Technology -I	3
BE	EE6503: Power Electronics	3
BE	IC6501 Control Systems	15
BE	CS8792- Cryptography and network security	12
BE	EC8351 - Electronics Circuits-I	10
BE	EC6503 -Transmission Lines and Wave Guides	12
BE	IT 6601 MOBILE COMPUTING	15
BTech	IT6702 - Data Ware Housing and Data Mining	10
ME	EC6701 -RF and Microwave Engineering	3
MCA	MC5101-Computer Organization	5
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes

Parents	Yes

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

Feedback Obtained
Feedback received from faculty, students, alumni and other stakeholders are considered for continuous review and revision which are relevant to the changing needs of higher education. A well – conceptualized feedback system is designed for all stakeholders. 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. Employers of the graduates are important stakeholders and employer feedback is obtained through employer survey which indicates the quality of graduates. Alumni feedback is obtained by alumni survey form which is used to evaluate the quality and success of the program. Feedback is obtained from Parents through conduct of regular Parent-Teacher meeting and suggestions are considered for review of improvement in quality of the program. Based on analysis reports, action is taken for improvement in curriculum. Questionnaires are prepared and feedback is collected based on program outcomes, course outcomes as laid down by NBA, AICTE and other statutory bodies. Sample questionnaire given to each stakeholder is uploaded.

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	26	26
BE	Electrical and Electronics Engineering	90	5	5
BE	Electronics and Communication Engineering	120	6	6
BE	Mechanical Engineering	180	10	10
BTech	Information Technology	60	10	10
ME	Computer Science Engineering	18	3	3
ME	Applied Electronics	18	1	1
MBA	Master of	120	67	67

	Business Administration			
MCA	Master of Computer Applications	120	25	25

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	578	82	133	29	13

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	Numberof smart classrooms	E-resources and techniques used
175	175	11	27	10	8

<div align="center">View File of ICT Tools and resources</div>

<div align="center">View File of E-resources and techniques used</div>

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

Effective Mentor: Mentee system is practices 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
660	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	148	27	27	46

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr.A.Madhangopi	Associate Professor	Best CSI coordinator award from CSI students chapter
2019	Mr.Seshan	Professor	Functioned as reviewer for International Journal of IJASE
2019	Dr.D.Rajinigirinath	Professor	Best Paper Award for Paper titledUbiquitous Message Alert System Using Radio Signals
2019	Mrs.D.Shanthi Chelliah	Professor	Award from IEEE SPF for Sanction of project
2019	Mrs.M.Saraswathi	Assistant Professor	SMET Fund for Research Project
2019	Mr.M.Arsath Rahuman	Assistant Professor	Inspire-Campus Connect Faculty Excellence Award from Infosys
2020	Dr.E.Pandian	Professor	Member of Board of studies at MAHER University
2020	Dr.S.Sivakumar	Professor	Editorial reviewer in Internation journal of MARADEGO in chemistry board
2020	Dr S.Muruganandam	Associate Professor	Best poster presentation title A study on removal of fluoride ions using fruit peels as a low cost natural adsorbent in National conference barath university
2020	Mr.K.Rammohan	Assistant Professor	Best Teacher Award from Schneider - Electric India
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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	27/03/2020	10/06/2020
ME	401,405,431,411,408,404	IV/II	20/04/2020	19/06/2020
MBA	631	IV/II	20/04/2020	19/06/2020
MCA	621	IV/II	20/04/2020	19/06/2020

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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 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.in

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

			final year examination	examination	
103	BE	Civil Engineering	21	20	95
104	BE	Computer Science Engineering	61	58	95
105	BE	Electronics & Communication Engg.	25	23	92
106	BE	Electrical & Electronics Engg.	17	15	88
114	BE	Mechanical Engineering	85	74	87
205	BTech	Information Technology	26	24	93
631	MBA	Master of business administration	49	47	96
621	MCA	Master of Computer Application	25	24	96
401 431 411 408 404	ME	Applied Electronics,Embedded System Technology,Power System Engineering,Engineering Design,Computer Aided Design	10	10	100
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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
Major Projects	365	AICTE	150000	60000
Major	365	AICTE	150000	Nill

Projects				
Minor Projects	90	DST-NIMAT	20000	20000
Students Research Projects (Other than compulsory by the University)	60	TNSCST - State Government Project	7500	7500
Industry sponsored Projects	90	Vasantha Advanced Systems	20000	20000
Industry sponsored Projects	180	Asian Lifts	100000	20000
Minor Projects	365	Sri Muthukumaran Educational Trust	300000	100000
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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
One day Workshop on "Enforcement of Intellectual Property Rights"	ECE	10/09/2019
One day Seminar on Innovation of Google Products and Patenting	EEE	22/10/2019
Seminar on Practical Problems on IPR	IT	29/11/2019
Workshop on "Patent Search and Patent Information"	CSE	17/12/2019
Seminar on Emerging trends and challenges in Patenting	MECH,CIVIL	29/01/2020

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
Analysis of road Accidents with impact of weather conditions using machine learning	Mrs.D.Shanthi Chelliah, Prof/ECE	Tamil Nadu State Council for Science and Technology	04/04/2020	Science and Technology
Autonomous	Dr.V.Anitha,	AICTE -	18/10/2019	Innovation

Bus to Avoid Covid'19 in the Pandemic Situation	Prof/EEE	Vishwakarma Awards		
Self sustaining insewer treatement lines	Mr.N.Seshan,AP/Civil	AICTE – Vishwakarma Awards	18/10/2019	Land
Automated accident prevention system for vehicle	Dr.B.Ramesh,Prof/Mech	Tamil Nadu State Council for Science and Technology	04/04/2020	Science and Technology

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation centre for IOT	IOT based campus automation	VI micro Systems	Automation using IOT	Phase 2 started	16/07/2019
Incubation Center for Cloud Computing	Cloud Computing	Zeed up Technologies	ICT using Cloud	Phase 2 started	19/08/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
32	66	29

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	7	1.83
International	CSE	8	2.16
International	EEE	9	2.26
International	ECE	10	2.57
International	MECH	11	2.15
International	IT	6	1.96
International	PHYSICS	2	1.36
International	MATHEMATICS	4	1.02

International	MBA	6	2.21
International	MCA	4	1.96
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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	13
CSE	19
EEE	17
ECE	15
IT	12
MECH	21
MBA	22
MCA	12
SH	10
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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
Honeypots in Robotics	Dr.L.Josephine Mary,Professor/MCA	International Journal for Scientific Research Development	2019	6	Yes	3
Online Transaction Fraud Detection Using Hidden Markov Model	Dr..E.Pandiyan,HOD-MCA/Professor	International Journal for Scientific Research Development	2020	11	Yes	7
Capacitor Less UPFC for Power Quality Improvement using Deadbeat Controller	Dr.V.Anitha	International Journal of Research in Engineering,Science and Management	2020	6	Yes	5
Smart railway	T.Madhan	International	2020	11	Yes	5

Title	Name	Title of journal	Year	h-index	Yes/No	Number
platform for people in Railway junction		journal for scientific research and development				
Smart Water Management System With Purity Checker	Mrs.G.Sa ndrakaruny a,AP/CSE	International Journal for Scientific Research D evelopment	2019	11	Yes	6
Facial Expression Recognitio n Using CNN	A.Mathan gopi,AP/CS E	International Journal for Scientific Research D evelopment	2019	25	Yes	11
LI-FI Based Smart-Path System For Closed Space Region	Dr.D.Raj inigirinat h, Prof/CSE	International Journal for Scientific Research D evelopment	2020	20	Yes	11
Maximum Frequent Item Set based Clustering Algorithm for Big Text Data	K. V. Kanimozhi	International Journal of Recent Technology and Engine ering- Scopus	2020	16	Yes	11
SRWH System Based Sust ainable Gr oundwater Developmen t in India	Shanthi Chelliah.D ,Prof./ECE	International Journal for Scientific Research D evelopment	2020	21	Yes	15
Solar controlled Unmanned seed sowing robot	Mrs.M.R. Mahalakshm i,Asst. Pr ofessor/EC E	International Journal of Research in Enginee ring, Science and Management	2019	16	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	Name of	Title of journal	Year of	h-index	Number of	Institutional

Paper	Author		publication			citations excluding self citation	affiliation as mentioned in the publication
Solar controlled Unmanned seed sowing robot	Mrs.M.R. Mahalakshmi,Asst. Professor/ECE	International Journal for Scientific Research Development	2020	2		12	yes
SRWH System Based Sustainable Groundwater Development in India	Shanthi Chelliah.D,Prof./ECE	International Journal for Scientific Research Development	2020	2		21	Yes
Maximum Frequent Item Set based Clustering Algorithm for Big Text Data	K. V. Kanimozhi	International Journal of Recent Technology and Engineering-Scopus	2019	3		11	Yes
LI-FI Based Smart-Path System For Closed Space Region	Dr.D.Rajinigirinath, Prof/CSE	International Journal of Research in Engineering, Science and Management	2020	3		14	Yes
Facial Expression Recognition Using CNN	A.Mathangopi,AP/CSE	International Journal for Scientific Research Development	2020	2		12	Yes
Forming Interrogation of rolling process using rollers, Vol. 8, Issue 11, pp.437-441 (SCOPUS INDEXED JOURNAL).	Ramesh, B.	International Journal of Innovation Technology and Exploring Engineering (ISSN: 2278-3075)	2019	1		11	Yes
consumer	Dr.S.Chi	ICIGAR	2020	3		4	Yes

response towards EV environment in India response towards EV environment in India	tra Devi					
Online Transaction Fraud Detection Using Hidden Markov Model	Dr..E.Pandiyan,HOD-MCA/Professor	International Journal for Scientific Research Development	2019	3	6	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
Attended/Seminars/Workshops	42	49	33	26
Presented papers	76	84	56	37
Resource persons	32	44	36	21

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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
Rally for Plastic Eradication	New Life Orphange, Kanchipuram	20	60
Fire Safety Awareness Programme	Tamilnadu Social Welfare Association, Chennai	22	67
Yoga Meditation Camp	Isha Foundation	25	75

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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
First Aid Training for Village Youth	Letter of Appreciation	Youth Welfare Association, Chikkarayapuram	35

voluntary Blood Donation Day Celebration	Maximum Volunteer participation award	SMMCH RI, Chikkarayapuram	45
Blood Donation Camp	Emerging Social worker award	Indian Bank - voluntary Blood Donation Move	40
Organ Donation Campaign	Outstanding contribution to Social Work	Lions Club, Chennai	45
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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 activites	Number of students participated in such activites
Save Water Scheme	Enviro Club Porur People Welfare Association	Prour Lake Cleaning	20	100
Save Human life	NSS Hindu Mission Hospital	Blood Donation Camp	10	150
People Empowerment	Citizen Consumer Club Chennai consumer club	RTI Act Awarness Campaign	20	100
Youth Empowerment	NSS Vivekanada Youth Forum	National Youth Day	15	155
People Empowerment	SMIT Socitey Affable Club Nalaya Bharatham, Chennai	Minority Scholarship awareness programme	10	100
Environmental Protection	NSS Mangadu Panchayath	Rally for Plastic Eradication	10	150
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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
Workshop	40	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street,Santhosh Nagar, Kandhanchavadi, Chennai- 96, www.pantechsolutions.net	2

Industrial Visit	50	Uniq Technologies,1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, North Usman Road, T Nagar, Chennai-17 www.uniqtechnologies.co.in	2
Hands on training	75	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. www.ctlindia.com	1
Special Lecture	165	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near Anna Park, Kodambakkam, Chennai-24. www.sansbound.com	1
Field trip	45	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. www.ctlindia.com	1
On-job training	45	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street,Santhosh Nagar, Kandhanchavadi, Chennai- 96, www.pantechsolutions.net	1
Seminar	100	Kaashiv Infotech Shivanantha Building X41, 5th Floor, 2nd avenue, Anna Nagar,Chennai-40 kaashiv.info@gmail.com	1
Inplant Training	55	RR Kabel P.Ltd,9, East Rd, CIT Nagar West, CIT Nagar,	3

		Chennai, Tamil Nadu 600035 Phone: 044 2436 3420	
Guest Lecture	65	UNIQ Technologies Shifa arcade No 1, 3rd Floor Bharathinagar 1st street, North Usman Road, T.Nagar, Chennai – 600 017. 9791004050 info@uniqtechnologie.co.in	1
Hands on experience	40	CAD School No.172, Raahat Plaza, Office No.196/197, IInd Floor, Arcot Road, Vadapalani, Chennai-600026,TN Phone:91 9884433845 Email: vadapalani@caddschool.in Web: http://www.caddschool.in	2

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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
Organisation study	Organisation study on Manpower group services P.Ltd	Manpower group services P.Ltd,GEE GE Euniversal,2 ,McNicholas Road,Chennai -31	09/03/2020	11/03/2020	65
workshop	Workshop on Embedded programming	M/S.Surabee Electronic Systems (P) ltd No 164, 1st floor,Arcot road Valasaravakkam,Chennai-87 Phone :044-42664708, www.surabee.com	04/02/2020	04/02/2020	110

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	03/01/2020	04/01/2020	56
Seminar	Seminar on Bluetooth Based Smart Sensor Networks	Kaashiv Infotech Shivanantha Building X41, 5th Floor, 2nd avenue, Anna Nagar,Chennai-40 kaashiv .info@gmail. com	09/12/2019	10/12/2019	45
On-job training	Hands on training in Android	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street,Santhosh Nagar, Kandhanchavadi, Chennai- 96, www.pantechsolutions.net	04/11/2019	05/11/2019	65
Field trip	Field trip to Cosmosoft Technologies Ltd	Cosmosoft Technologies Ltd, No 141, (Old NO 75), Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024. www.ctlindia.com	08/10/2019	16/10/2019	50
Special Lecture	Guest Lecture on Big Data Analyasis	Sansbound Solution Private Ltd, No. 40 Ganapathy Complex, Circular Road, United India Colony, Near	04/09/2019	04/09/2019	40

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	28/08/2019	29/08/2019	45
Industrial Visit	Field trip to Uniq Technologies	Uniq Technologies,1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, North Usman Road, T Nagar, Chennai-17 www.uniqtechnologies.co.in	01/08/2019	03/08/2019	65
Workshop	Workshop on Testing Tool Silk Runner	Pantech Prolabs India Pvt Ltd., Plot No 41, Rajeswari Street,Santhosh Nagar, Kandhanchavadi, Chennai- 96, www.pantechsolutions.net	02/07/2019	05/07/2019	45

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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
Surabee Electronic Systems (P) Ltd	03/09/2019	Internship	125
Redback IT Solutions Pvt.Ltd	12/06/2019	Inplant training	140
Adhityaa	18/07/2019	Hands on	132

Imfomedia Solutions		Experience	
G.A System	22/08/2019	Hands on Experience	145
CADD CENTRE Training Services Pvt. Ltd.	16/10/2019	Technical Training	120
Rudhra water pvt ltd	18/11/2019	Hands onTraning	200
PARADIGM Technologies Pvt. Ltd.	22/12/2019	Workshop	65
Sree Builders	03/01/2020	Industrial Visit	55
JK Pvt Ltd	02/02/2020	Website Hosting	90
VI Mircosystems Pvt LTd	16/03/2020	Guest Lecture	110
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
28500000	26348957

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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	3500	4654	1200	1600	4700	6254
Reference Books	10099	47001	1500	1650	11599	48651
e-Books	153	1565	30	45	183	1610
Journals	204	204	10	10	214	214
Digital Database	2502	2502	75	75	2577	2577
Library Automation	1	1	0	0	1	1
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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	MOOCs	06/11/2019
Ms.Amutha	Construction Materials	LMS	16/07/2019
Mr.Raghavendar	Concrete Technology	LMS	15/10/2019
Dr S Muruganandam	Materials Science	LMS	15/10/2019
Dr V.Anitha	Digital Electronics	LMS	08/01/2020
Ms.Keerthana	Microprocessors and Microcontrollers	LMS	01/07/2020
Mr.Ignatius	Design and Analysis of Algorithms	LMS	01/07/2020
Ms.Sandra Karunya	Object Oriented Programming	SWAYAM	03/08/2020
Mr.Parthiban	Communication Theory	NPTEL	16/07/2019
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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
Existin	960	615	615	60	75	45	165	100	0

g								
Added	60	15	15	15	15	0	0	0	0
Total	1020	630	630	75	90	45	165	100	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	https://www.smit.edu.in
Functional Outdoor production units	https://www.smit.edu.in
Functional editing setup 2 Nos	https://www.smit.edu.in
Animation / Graphics Workstations	https://www.smit.edu.in
EContent Integration workstation	https://www.smit.edu.in
Wireless Network	https://www.smit.edu.in

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 incurredon maintenance of physical facilites
23500000	21659874	35500000	34984569

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 Merit Scholarships	16	1000000
Financial Support from Other Sources			
a) National	BC/MBC Scholarships, SC/ST scholarships,First Graduate Schlarships	282	4489000
b)International	SMITAA	200	100000
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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	03/07/2019	660	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai – 600034. Phone: 044 – 28 28 28 29
Career Counselling,	03/07/2019	660	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai – 600034. Phone: 044 – 28 28 28 29

Soft skill development,	18/07/2019	660	SMART Training Resources, No. 1/5, Sivaganga Road,(Off. Sterling Road), Nungambakkam, Chennai – 600034. Phone: 044 – 28 28 28 29
Remedial coaching,	10/09/2019	134	All HODs, Sri Muthukumaran Institute of Technology Mangadu, chennai-600 069 Ph:044 66110200 Email-smitcollege1996@gmail.com
Language lab	03/07/2019	660	The HODs,SH Sri Muthukumaran Institute of Technology Mangadu, chennai-600 069 Ph:044 66110200 Email-smitcollege1996@gmail.com
Bridge courses	05/08/2019	159	All HODs, Sri Muthukumaran Institute of Technology Mangadu, chennai-600 069 Ph:044 66110200 Email-smitcollege1996@gmail.com
Yoga and Meditation	03/07/2019	660	Hearfullness Institute, Manapakkam,Chennai, Ph:044 26552985,Tamil Nadu 600026
Personal Counselling	03/07/2019	112	Mr.E.Pandiyan,Professor Sri Muthukumaran Institute of Technology Mangadu, chennai-600 069 Ph:044 66110200 Email-smitcollege1996@gmail.com
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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	Number of benefited students by	Number of students who have passedin	Number of studentsp placed

		competitive examination	career counseling activities	the comp. exam	
2019	Guidance for Competitive examination	225	Nill	38	Nill
2020	Career Counselling	268	Nill	Nill	182
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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
14	14	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Sutherland, Ridsys ,Qspider, NVH India Pvt Ltd ,Caliber ,Aagna Global, Ninjakart India Pvt Ltd ,Hibiz	189	133	TCS,Infosys,Wipro,Cognizant,TechMahindra LT Infotech ZOHO Hexaware	189	49
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	CSE	ANNA UNIVERSITY	MBA
2020	1	BE	CSE	TEXAS UNIVERSITY , USA	MS
2020	2	BE	CIVIL	ANNA UNIVERSITY	M.E STRUCTURAL ENGINEERING
2020	2	BE	EEE	ANNA UNIVERSITY	MBA

2020	4	BE	ECE	ANNA UNIVERSITY	MBA
2020	2	BE	ECE	VIT UNIVERSITY	ME
2020	3	B TECH	IT	ANNA UNIVERSITY	MTECH
2020	1	B TECH	IT	SRM UNIVERSITY	MBA
2020	3	BE	MECH	ANNA UNIVERSITY	M.E - CAD / E.D. / THERMAL ENGINEERING
2020	1	BE	MECH	UNIVERSITY OF SOUTH FLORIDA	M.S - PRODUCT MANAGEMENT

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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	1
GRE	1
TOFEL	1
Any Other	3

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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
State Level Sports Tournament under the banner of SMMCRH 2K19	State level	250
Inter College Level Cultural Events under the banner of DAKSHA 2K19	National	175
National Level Tamil English Debate Competition under the banner of Dr.APJ Remembrance Day	National	90
National Level Solo Instrument under the banner of Technical Level Symposium- TECHNOSTICA'19	National	60
National Level Music Quiz event under the banner of Technical Level Symposium- PARADOX'19	National	85
State Level Cultural	National	190

Events under the banner of SMMCRH 2K19				
National Level Chess Competition under the banner of Technical Level Symposium- ASCENT '19	National			65
National Level Carrom Competition under the banner of Technical Level Symposium- PARADOX'19	National			85
National Level Table Tennis Match under the banner of Technical Level Symposium- SCINTILATE19	National			90
National Level Handball event under the banner of National Conference- NCACTA'19	National			150
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Anna University zonal and Inter zonal Tournament	National	2	Nill	21261611 4001	R.NIVETHA
2019	Throwball National level Cham pionship in chennai	National	1	Nill	21261610 4018	BHARATHRAJ
2019	Beat The Beat 2020, National Level Dance Comp etition in chennai	National	Nill	2	21261811 4012	KIRAN.V
2019	Kurukshe tra in CEG	National	Nill	3	21261810 3001	SWETHA
2019	Milan 20020 in SRM University	National	1	1	21261710 3001	LOKESH
2019	Waves in VIT	National	1	1	21261810 3001	ROJA

2020	RIVIERA – National Level Cultural Festival- Vellore Institute of Technology,Vellore	National	1	1	212617103001	LOKESH
2020	discus throw ball	National	1	Nill	212618205014	M VISHNU
2020	Best Performer Gold/Yoga	National	1	Nill	21809106091	M Uvashree
2020	IEEE Student Cordination Networking Lead	National	Nill	1	212612104005	Aravindan A

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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 expedite1y 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.

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. Keerthana Treasurer : Mr. K.Praveen Executive Committee Members : Ms G. Sandra Karunya, Mr.A.Aravindhan 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:

2658

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.Shanmugavel who is pursuing Ph.D program in the department of CSE under the supervisoryship of Dr. D.Rajini Girinath,Prof/CSE. The various stages he has undergone in pursuing Ph.D program is explained as follows: The Candidate Mr.shanmugavel after clearing common entrance exam and selected by Anna University is allowed to do research under the research centre in the department of CSE. 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 5 to 6 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.

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

E-governace 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
2019	Sibi solomon	International Conference on Global Trends in Engineering, Technology and Management (ICG TETM-2019)	Tamilnadu College of Engineering, Ka rumathampatti, Coimbatore, India.	500
2019	Mr.M.Arsath Rahuman	International Conference on Computational Intelligence Advanced Manufacturing Research	Indian Society for Technical Education (ISTE)	500
2019	Dr S.Ramesh	International Conference on Emerging Trends in Mechanical Engineering	Indian Society for Technical Education (ISTE)	500
2019	Ms.S.Keerthana	Workshop on Bluetooth controlled Robot	ISTE chapter	500

2020	Dr.V. Anitha	Recent Trends In Engineering Technology	ISTE	500
2020	MR.S.RAGHAVENDRAN	National Conference on Emerging Trends and Innovations in Chemical engineering	ISTE	500
2020	Mrs.D.Shanthi Chelliah	National Conference on Scientific Research and Development in Biomedical Engineering	ISTE	500
2020	Mr.E.Pandian	International conference on global information technologies	IET Chennai Chapter	500
2020	Mr.A.G.Ignatius	National Conference on Recent Advancements in Signal Processing and Communication	ISTE Chapter	500
2020	Ms.K.Rajalakshmi	National conference on Emerging trends in mathematical sciences	National Board for Higher Mathematics (NBHM)	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)
2019	Seminar on Spatial Intrepretation of Land cover and land use map	Nill	12/11/2019	12/11/2019	45	Nill
2020	Workshop on mobile servicing	Workshop on mobile servicing	03/12/2019	03/12/2019	40	35

Year	Title	(second title col)	From	To	Participants	Duration
2020	A lecture on Theory of Ordinary differential equations	Nill	23/12/2019	23/12/2019	45	Nill
2020	Workshop on How to write Research paper	Nill	28/01/2020	28/01/2020	35	Nill
2020	Workshop on e-content development	Workshop on e-content development	19/02/2020	19/02/2020	60	30
2019	Oreintation Programme for Newly Joined Faculty Members	Oreintation Programme for Newly Joined Faculty Members	06/06/2019	06/06/2019	40	30
2019	Nill	Linux OS Hands-on training	10/07/2019	10/07/2019	Nill	22
2019	Yoga Training	Yoga Training	08/08/2019	08/08/2019	60	20
2019	Faculty Development Programme on Recursive Networks	Nill	26/08/2019	28/08/2019	45	Nill
2019	Two Days National Level Workshop Power System Studies - Applications In Industrial And Power Sector Using ETAP Software	Nill	02/10/2019	03/10/2019	30	Nill
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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	Number of teachers	From Date	To date	Duration

professional development programme	who attended			
Guest Lecture on Mobile communication	2	03/12/2019	03/12/2019	1
Refresher course on Design of Reinforced concrete elements	2	20/11/2019	20/11/2019	1
E-Content Development and E-Learning	3	22/10/2019	22/10/2019	1
Interaction programme for Research Scholars	8	17/09/2019	17/09/2019	1
Workshop on Mobile Application Development	2	13/08/2019	13/08/2019	1
Refresher Course on Wireless Networks	5	10/06/2019	14/06/2019	5
FDP on Outcome based Education system and Values of NBA	6	02/01/2020	04/01/2020	3
Workshop on Digital VLSI design	3	29/01/2020	29/01/2020	1
Workshop on FPAA	2	18/02/2020	18/02/2020	1
Workshop on Mobile Application Development	5	11/03/2020	11/03/2020	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
175	175	85	85

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
175	85	650

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	60000	Sponsorship towards Academic activities
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6.4.3 – Total corpus fund generated

6500000

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.

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

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 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
2019	Webinar On Student Leadership Development	06/12/2019	06/12/2019	06/12/2019	30
2019	MOOCS Initiatives For IT Second Year Students	28/12/2019	28/12/2019	28/12/2019	20
2020	NPTEL Video Lectures Estimation of Signals and Systems	22/01/2020	22/01/2020	22/01/2020	35
2020	Webinar on Graphic Designing	16/02/2020	16/02/2020	16/02/2020	40
2019	Video Lecture on entrepreneur cell development	05/07/2019	05/07/2019	05/07/2019	25
2019	Webinar on Mobile Computing	16/07/2019	16/07/2019	16/07/2019	35
2019	MOOCS Initiatives For MCA Third Year Stud Mini Project	11/08/2019	11/08/2019	11/08/2019	25

2019	Project exhibition	16/09/2019	16/09/2019	16/09/2019	175
2019	VideoLecture on Embedded Systems	18/10/2019	18/10/2019	18/10/2019	25
2019	NPTEL video lectures on Advanced 3G and 4G wireless mobile Communication	11/11/2019	11/11/2019	11/11/2019	30

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women's Day-A Special address on Women Contribution in the Development of Society	09/03/2020	09/03/2020	120	35
International Day of the Girl Child" Special Address on "Special Reservation Policy for Girl Child in Education and Job"	11/10/2019	11/10/2019	65	25
How Higher Education can Impact Gender Equity	30/10/2019	30/10/2019	60	20
A special Lecture sexual harresment women at work	19/11/2019	19/11/2019	75	35
Special Address on "Gender Equity"	03/12/2019	03/12/2019	60	30

| Special address on 'Protection of Women from Domestic Violence' | 06/01/2020 | 06/01/2020 | 120 | 10 |
| Special Address on "Special Reservation Policy for Girl Child in Education and Job" | 25/02/2020 | 25/02/2020 | 90 | 25 |

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	20
Provision for lift	Yes	15
Ramp/Rails	Yes	30
Braille Software/facilities	Yes	3
Rest Rooms	Yes	25
Scribes for examination	Yes	3
Special skill development for differently abled students	Yes	25

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
2019	3	2	12/08/2019	3	swachh bharat	Cleaning	90
2019	4	3	10/09/2019	2	Unnat Bharath Abihayan	rural development processes	125
2019	3	2	26/11/2019	1	Right of	Social awareness	75

2020	2	2	28/01/2020	1	Equal respect to professions	Professional ethics	90

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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)
SMITHandbook 2019-20	08/07/2019	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 values, Human values, Fundamental Rights	19/08/2019	19/08/2019	50
A special Lecucture on Righteous conduct, Love, Non-Violence, Peace	26/11/2019	26/11/2019	65
Seminar on Rights on Indian Citizens	30/01/2020	30/01/2020	90

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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 periodicallyfor 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 practice1 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 stateoftheart 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,stateoftheart softwares and various laboratories test facilities. Best Practice2 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 propagandas, 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
https://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
https://www.smit.edu.in

8.Future Plans of Actions for Next Academic Year

Future Plans of Actions for Next Academic Year • To improve admissions,steps taken to reach the right students and present our institute in an impressive way • Meticulous procedure will be followed to recruit eminent and self motivated faculty to create a better academic environment • Faculty achievement in research work and project implementation is encouraged and will be implemented • Academic performance of students will be strengthened through innovative teaching methodologies • Infrastructure facilities to achieve efficient teaching learning through modern ICT tools and methodologies is planned and will be implemented • Participation of students in co-curricular activities is encouraged and ensured • Placement acheivement is planned towards 100 through effective Industry Institute interaction • Collaborating industry-oriented student centric skill which focuses on evolving student centric quality education and innovative knowledge creation • Steps are taken to transform students to good citizens through conduct many societal development programs through outreach activities like Upliftment of local community, Women in nearby locality etc..