



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. D. SENTHIL KUMARAN
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0451-2448800
Mobile no.	7373707003
Registered Email	ssmietdgl@gmail.com
Alternate Email	principalssmiet@gmail.com
Address	Dindigul-Palani Highway
City/Town	Dindigul
State/UT	Tamil Nadu
Pincode	624002

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr. V. Shunmughavel			
Phone no/Alternate Phone no.		04512448800			
Mobile no.		9942324313			
Registered Email		ssmietdgl@gmail.com			
Alternate Email		hodcsessmiet@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://www.ssmiet.ac.in/wp-content/uploads/2020/12/2018-19-aqar_report.pdf">http://www.ssmiet.ac.in/wp-content/uploads/2020/12/2018-19-aqar_report.pdf</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://www.ssmiet.ac.in/academic-calendar/">http://www.ssmiet.ac.in/academic-calendar/</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.87	2019	08-Feb-2019	08-Feb-2024
<b>6. Date of Establishment of IQAC</b>			12-Oct-2017		
<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	
Inputs on Organizational		07-Dec-2019		15	

Behaviour	1	
Become a True Mentor	30-Nov-2019 1	60

L::asset('/', 'public/').'/public/index.php/admin/get\_file?file\_path='.encrypt('Postacc/Special\_Status/'. \$instdata->upload\_special\_status))}

[View Uploaded File](#)

**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
Nil	Nil	Nil	2020 0	0

[View Uploaded File](#)

**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 :**

1

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?**

No

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

Organized a FDP on Effective Mentoring, How to become a True Mentor Organized a one day training programme on Inputs on Organizational Behaviour

[View Uploaded File](#)

**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
To improve the communication skills for the present First Year students	Communication skill is improved.

Planned to conduct more number of Value added courses	The technical knowledge of the students is enhanced.
More extension activities needs to be initiated	Unnat Bharat Abhiyan activity has been initiated and is in progress.
<a href="#">View Uploaded File</a>	

<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
Date of Visit	21-Dec-2018
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	10-Jan-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p><b>ERP FUNCTIONALITIES</b> Planning and Development It is considered as web base of the ERP Software. It should be in the control of ERP Administrator. He has to do the yearly settings like creation of new academic year / semesters / departments / courses / classes / timetable and moving the classes to higher forms. User name creation and rights allocations / locking the rights are done here. Faculty has to do their lesson plan / course material / assessment entry for their class. Students can login to the portal and they can view their information like attendance / course material / leave details.</p> <p><b>Administration Finance and Accounts</b> It is a highly structured reliable Fee Collection (Billing) module of the ERP Software. The college authorities can create their own fee heads sub heads like Term Fee, Book Fee, Uniform Fee, Hostel Fee, etc and add demand for individual / class / total students in a single click. Fixing last date for payment and collecting overdue amount from defaulters, giving concession to</p>

the deserved pupils are given in the respective screens with necessary permission so that perfect and orderly maintenance of the cash flow are ensured. It is to record the Teaching, NonTeaching, Admin SubStaff details that leads to Payroll through biometric integration. You can find the details of existing, resigned, long absentees staff at any time. Mainly this focuses on the academic staff and their performance. Student Admission and Support It is the only single point entry of student records in the entire ERP. Application Cost, fixing the Course Fee, Course Enquiry, Sale of Application and Admitting the students and synchronizing the fee structure, discontinue, request for TC and refund of course fee, rejoining / transfer enrolment, assigning the Roll Number and Register Number to all students, express TC CC generation for all outgoing students are done here by the administrators. Examination Since we are affiliated to Anna University, Chennai., we had the COE portal to enter our student course registration, Attendance and internal mark assessment entry, Elective courses registration. Regular and arrear subjects registration, Exam Time Table preparations, Gally Report Generation, Hall Arrangements, Numbering the Tables, Exam Attendance, Packing, Dummy Number Generation, Assessment Entry, Exam Results Mark entry, Verification, Moderation.

## 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

The Institution adopts the curriculum provided by the Anna University, Chennai. To impart quality education, Academic planning committee develops an academic calendar based on the academic schedule of Anna University, so as to implement the curriculum effectively. Subject allocation is done by the Head of the department based on the faculty members' specialization and willingness. Appointment of coordinators for first year students, class in-charges, and mentors for effective monitoring of the academics are carried out for every academic year. Preparation of lecture plan and time table for every semester is done by the subject handling faculty and time table in charges of every department in the prescribed format. Classroom teaching by giving lectures with discussions, chalk & talk method, PPTs, seminars, videos, MOOC-NPTEL, Digital

Writing pads etc., Online platforms like google class room, google meet and Microsoft teams are adopted to ensure better understanding of the concept by the students. LMS has been incorporated in order to facilitate easy access of academic resources by the students via online modes. Internal Tests will be conducted as per the academic calendar, followed by result analysis. Based on the result analysis, corrective measures like special classes and coaching classes for the slow learners are conducted. Class Committee Meetings are conducted for addressing the academic and general grievances of students and the records are maintained for future reference. Conducting tutorial hours for analytical subjects with the help of additional faculty so as to ease the difficulty in learning. Conducting Bridge course for the First Year students that ensures smooth transition from school environment to college environment. Arranging Guest lecturers relevant to their current courses so as to motivate the students to do innovative projects. Arranging In-plant training for the students to have industry institute interaction so as to enhance their technical skills. Every Saturday in the academic time table scheduled has been allocated for conducting software training and Value added courses for the students to bridge the academia and industrial gap. Motivating student teams to participate in conferences, symposia, workshops, paper presentations held in other institutions to enhance their exposure or knowledge base. Institute-Industry interaction initiative have been taken by encouraging the students to participate in Industrial oriented competitions like L & T-Techgium, Schneider, e.Baaga etc., Keeping the parents informed about the attendance shortage and academic performance of their wards through SMS/letters. Conducting Parent-Teachers Meeting every year so as to get the feedback from parents to improve the academic performance of their wards. As part of placement training programme, analytical and aptitude training programs/classes are conducted every academic year by involving Experts from industries. Arranging both on-campus and off-campus placement in core companies and IT companies for the Final Year students as a part of placement programme. Conducting mock on-line aptitude and mock interviews for the final year students who aspire for placements. Inorder to provide refreshment and improve the physical and mental health of the students Physical Educational Training hour has been included in the academic time table.

#### 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
Nil	Nil	27/03/2020	0	Nil	Nil

#### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BE	Nil	27/03/2020
<a href="#">View Uploaded File</a>		

##### 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	Automobile Engineering	01/07/2019
BE	Civil Engineering	01/07/2019
BE	Computer Science and	01/07/2019

	Engineering	
BE	Electrical and Electronics Engineering	01/07/2019
BE	Electronics and Communication Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
ME	Communication Systems	01/07/2019
ME	Thermal Engineering	01/07/2019

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

	Certificate	Diploma Course
Number of Students	0	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
PCB designinig and Embedded system	02/09/2019	24
Programminig on C	09/09/2019	57
Python	01/08/2019	30
MATLAB	03/02/2020	63
IoT	13/09/2019	57
Staad.Pro	16/08/2019	75
Hands on training on ANSYS	20/01/2020	40
Ms Office	20/01/2020	88
Python with Advanced Concepts	20/01/2020	52
CATIA Software	20/01/2020	56
<a href="#">View Uploaded File</a>		

### 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	Automobile Engineering	21
BE	Civil Engineering	45
BE	Computer Science and Engineering	40
BE	Electrical and Electronics Engineering	28
BE	Electronics and Communication Engineering	102
BE	Mechanical Engineering	108
<a href="#">View Uploaded File</a>		

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	No
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 about curriculum from all the stakeholders are collected manually using standard templates. These feedbacks are obtained through various interactions and meetings with the stakeholders. Some of the examples for such type of feedbacks are: ? Parents' feedback is collected when they visit the college during parent's meeting. ? Students' feedback is collected through counselors meeting and Class committee Meetings. ? Employer feedback through their visits to college for the campus interviews. ? Teachers feedback through their meeting with Head of the Departments/Principal The above collected feedbacks will be posted during the Head of the departments meeting with the Principal at the end of every academic year. The Head of the departments will discuss about the feedback obtained from various stakeholders and represents their views to the Principal. Based on their feedback, the value added courses have been suggested to conduct for the further Improvement of curriculum so as to bridge the academia and industrial gap.

**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
ME	Thermal Engineering	24	4	3
ME	Communication Engineering	24	2	1
BE	Mechanical Engineering	120	45	44
BE	Electronics and Communications Engineering	120	114	114
BE	Electrical and Electronics Engineering	60	42	42
BE	Computer Science Engineering	60	54	52
BE	Civil Engineering	120	17	16
BE	Automobile Engineering	60	19	18



[View Uploaded File](#)

## 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	290	4	121	8	0

## 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
129	129	5	52	2	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Yes, mentoring is very much available in the institution. The mentor to mentee ratio is maintained at 1:12 and hence it is possible to carry out effective mentoring. To enhance the mentoring process, an hour is allotted for mentoring per week in the timetable. A record book for each and every mentee is maintained separately by the mentor and this helps in tracking the mentee's performance from the first year to final year. In this record book, mentee's personal details, academic details of all the semesters, leave availed record, achievements can be entered and followed. This helps the mentors to track the students overall performance. By this, mentors can identify the student's strength, weakness, habits, hobbies etc., and guide the mentees properly to excel in their career. This record will be periodically checked by the Head of the Department. After the entry of each semester results, the record book will be checked and signed by the Principal. Then, the mentee have to get feedback and signature of his parent in the record book. Daily student's attendance is sent to parents through SMS after the first hour of the day. This helps the parents to know their ward's daily attendance. If any student want to take leave, prior permission from the mentor, HoD is required. The leave form is to be signed by both the student as well as the parents. In case of any emergency and student cannot avail prior permission, the particular student or his parent have to contact and inform the mentor. While, the student returning to college, a letter from his parents is needed. If any student is absent for continuous three days, the mentor shall contact the parents to enquire the detail of absenteeism. This effective mentoring leads student's to shape their learning paths with the help of mentors and also to actively participate in their educational process.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1420	129	1:11

## 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
125	129	0	0	29

### 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
2020	Dr.G.Mohanbabu ME., Ph.D.,	Associate Professor	India innovation challenge design contest award in appreciate for fostering ecosystem bridging Government industry and academia award 2019
2020	Dr.C.Sujatha M.E., Ph.D.,	Associate Professor	Best researcher in Image processing 2019-20. RULA Awards powered by world research council and united medical council.

[View Uploaded File](#)

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Automobile Engineering	2,4,8/ II, III, IV	27/03/2020	17/10/2020
BE	Civil Engineering	2,4,8 / II, III, IV	27/03/2020	17/10/2020
BE	computer Science Engineering	2,4,8/ II, III, IV, 2,4,8/ II, III, IV	27/03/2020	17/10/2020
BE	Electronics and Communication Engineering	2,4,8 / II, III, IV	27/03/2020	17/10/2020
BE	Electrical and Electronics Engineering	2,4,8/ II, III, IV	27/03/2020	17/10/2020
BE	Mechanical Engineering	2,4,8 / II, III, IV	27/03/2020	17/10/2020
ME	Communication Engineering	2,4/I, II	27/03/2020	17/10/2020
ME	Thermal Engineering	2,4 / I, II	27/03/2020	17/10/2020

[View Uploaded File](#)

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

--

For evaluating a student's performance faculty member of a particular subject will apportion marks based on the Internal Tests (IT) and Model Exam (ME) and if any student appeals for an improvement test, at least one more test of the following kinds: unit test, improvement test, home assignments, periodical quizzes, laboratory work, seminar or any other assignment that the instructor considers necessary for assessing the student's performance - may be conducted.

In such cases the question papers are scrutinised by the Head of the Department. • Like this, each subject is assessed internally by conducting at least 3 internal tests periodically covering a part of the syllabus as mentioned in the academic calendar. However, six tests - three internal tests, two unit tests and one model test are planned and conducted as per the academic calendar. In this, internal tests are conducted at the institution level whereas unit tests are conducted at the department level. • The answer sheet evaluation is done by interchanging with the staff handling the same subjects. The evaluated mark sheets are distributed to the students for their perusal and it is collected back and retained by the faculty members. These marks are entered in the provided format and the result analysis is done and submitted to the Head of the Department. Then the performance is analysed. The record of such distribution for each course will be maintained in the course file. • The Head of the concerned department will convene a meeting of the faculty within 4 working days of the last examination in the department to review the results. The scrutinised copy of the results will be handed over to a particular faculty member who will use it to complete the University web portal entry for the internal assessment marks of the students. • Regarding the attendance of the students in the class, students should maintain minimum 75 of their attendance without fail as per the University norms. Attendance is taken during all the hours by the faculty member handling the particular session and entered in the faculty record. After the completion of the hour, the attendance is entered in the class log book and also in the ERP software available in the college. Faculty record is duly verified and signed by the head of the department. • The daily attendance detail of the students is messaged to their respective parent's mobile number immediately after the first hour of the class. Hence, parents are made aware of their ward's attendance then and there. • Students should get prior permission for their leave from the HoD through their mentor and class in-charge and the student leave form will be available with the mentors. Students taking leave on any medical grounds should inform their mentor immediately through their parents and when they return to the classes they must produce the medical fitness certificate to the mentor. • The attendance is maintained by the respective subject handling faculty and the details are entered in the University web

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

As per Anna university guidelines, it is mandatory to conduct 3 internal tests and the marks have to be entered within stipulated time in the University Centre for Examination website. The following actions are taken for the fair conduct of test and also for the transparent and robust evaluation of the students: • In order to maintain the transparency and robustness of the internal assessment mechanism a detailed discussion regarding the syllabus portion coverage and schedule for the exams will be done in the HoDs meeting presided over by the Principal and it is mentioned in the academic calendar. The schedule is strictly followed. • The portions of the syllabus and schedule for the internal exams and model exams are provided to the students and faculty members well in advance i.e. during the very first day of the semester commencement date itself and it will be very easy for them to follow the academic calendar so as to frame the questions for their respective subjects. The question papers are scrutinized by the Head of the department. • The internal exams are conducted through the college exam cell and it is conducted

as per the University rules. The question and answer booklets are provided through the college exam cell. Then the answer scripts are evaluated by the faculty member handling the subject or by interchanging the scripts with the other member handling the same subject in other classes. • The evaluated mark sheets are distributed to the students for their perusal and it is collected back and retained by the faculty members. These marks are entered in the provided format and the result analysis is done and submitted to the Head of the Department. Then the performance is analysed. The record of such distribution for each course will be maintained in the course file. • The Head of the concerned department will convene a meeting of the faculty within 4 working days of the last examination in the department to review the results. The scrutinised copy of the results will be handed over to a particular faculty member who will use it to complete the University web portal entry for the internal assessment marks of the students. • The marks and the attendance for each subject is entered in the University web portal during the entry period provided by the University. The entered marks and attendance can be viewed by the students through their login which enables the transparency and robustness of the system maintained for the internal assessment of the students. • In order to have a transparent system for examination related grievances, internal and model examinations are conducted by the college exam cell. The exams are conducted based on the academic calendar schedule. • Timetable for the examinations and hall plan are displayed in the notice boards well in advance. • Faculty members should set their subject question papers and all the subject question papers are handed over to the exam cell four days prior of their subject exam

## 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.ssmiet.ac.in/peo-po-pso>

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
102	BE	Automobile Engineering	50	15	30
103	BE	Civil Engineering	77	13	19.48
104	BE	Computer Science Engineering	54	34	62.96
105	BE	Electrical and Electronics Engineering	42	23	54.76
106	BE	Electronics and Communication Engineering	132	52	39.39
114	BE	Mechanical Engineering	111	37	33.33

403	ME	Communication Engineering	7	4	57.14
414	ME	Thermal Engineering	2	2	100
<a href="#">View Uploaded File</a>					

## 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.ssmiet.ac.in/wp-content/uploads/2020/12/1.Students-Satisfaction-survey-result-2019-20.pdf>

## 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
Students Research Projects (Other than compulsory by the University)	244	Tamilnadu State Council for Science and Technology	0.15	0.15
<a href="#">View Uploaded File</a>				

### 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 Awareness program FDTP on Intellectual Property Rights	ECE	25/04/2020

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
International Innovative Researcher	Dr.M.Rameswari	Rula Awards In association with World research Council United Medical Council	26/01/2020	Research
Best researcher in image processing	Dr C.Sujatha	Rula Awards In association with World research Council United Medical Council	15/08/2019	Research
<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	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	Nil
No file uploaded.					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	2

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

Name of the Department	Number of PhD's Awarded
0	0

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)
National	Civil	6	1.5
International	Automobile	2	1.8
International	Computer Science Engineering	7	5.9
International	Civil	2	2.2
International	Electronics and Communication Engineering	43	3.9
International	Electrical and Electronics Engineering	4	2.46
International	Mechanical Engineering	7	4.2
International	Science and Humanities	3	2.3

[View Uploaded File](#)

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
CHEMISTRY	1
ECE	1
EEE	1

[View Uploaded File](#)

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
--------------------	----------------	------------------	---------------------	----------------	---	---

Characterizing Functional Connectivity Network Based on Multi-Domain Analysis for Epilepsy Classification	Dr. G Mohanbabu	International Journal of Innovative Technology and Exploring Engineering	2019	0	SSM Institute of Engineering and Technology	0
A novel approach based on BSPCI for quantifying functional connectivity pattern of the brains region for the classification of epileptic seizure	Dr. G Mohanbabu	Journal of ambient intelligence and humanized computing	2019	0	SSM Institute of Engineering and Technology	0
Extreme learning adaptive neuro-fuzzy inference system model for classifying the epilepsy using Q-Tuned wavelet transform	Dr. G Mohanbabu	Journal of Intelligent Fuzzy Systems	2019	0	SSM Institute of Engineering and Technology	0
A novel two-band equilateral wavelet filter bank method for an automated detection of seizure from EEG signals	Dr. G Mohanbabu	International journal of imaging systems and technology-Wiley	2019	0	SSM Institute of Engineering and Technology	0

Online Oil Condition Monitoring of Four-Stroke Engine	Srinivasan S., Manikandan G	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	SSM Institute of Engineering and Technology	0
Simultaneous Scheduling of Assembly and Production Shops Using GA based Heuristic'	Saravankumar S., Muthukannan M., Srinivasan S., Sankar Kannan P	International Journal of Psychosocial Rehabilitation	2020	0	SSM Institute of Engineering and Technology	0
Analysis of spring back and bend power of galvanized iron sheet in V-Die Bending Phase	Saravankumar S., Srinivasan S., Muthukannan M., Sankar Kannan P	Studia Rosenthaliana (Journal for the Study of Research)	2020	0	SSM Institute of Engineering and Technology	0
Removal of Chromium using Vigna Mungo as a Biosorbent in Tannery Effluent at Dindigul	K.Thara, G.Selvabharathi, Dr. M.S.Dheendrayalan	Strad Research	2020	0	SSM Institute of Engineering and Technology	0
Strengthening of Beam-column Joint Using Fiber Reinforced Polymer Composites Based on Deep Neural Network With Optimization	Mr.A.Arulgnanaprasam	Journal of the Balkan Tribological Association	2019	2	SSM Institute of Engineering and Technology	2



Removal of chromium(III) from tannery wastewater by electrochemical	Selvabharathi G	Desalination and Water Treatment	2019	2	SSM Institute of Engineering and Technology	2
---	-----------------	----------------------------------	------	---	---	---

[View Uploaded File](#)

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
Fastidious Anatomization of Biota Procured Compounds on Cancer Drug Discovery	Anand Thirupathi, Chandra Mohan Shanmugavadivelu, Sampathkumar Natarajan	Current Pharmaceutical Biotechnology	2019	4	4	SSM Institute of Engineering and Technology
Automated kitchen management and provisions monitoring system using IOT technology	Dr.K.Vinodh Kumar	International Journal of Control and Automation	2020	3	3	SSM Institute of Engineering and Technology
Likelihood based Node Fitness Evaluation Method for Data Authentication in MANET	Dr.K.Vinodh Kumar	International Journal of Advanced Science and Technology	2020	2	2	SSM Institute of Engineering and Technology
A hybrid secure aware routing protocol for authentication in MANET	Dr.K.Vinodh Kumar	International Journal of Advanced Science and Technology	2020	1	1	SSM Institute of Engineering and Technology

[View Uploaded File](#)

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	251	0	0
Presented papers	0	43	0	0
Resource persons	0	2	0	0
<a href="#">View Uploaded File</a>				

### 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
"Fit India" Movement honorable Prime Minister of launching by India on 29.08.2019 at SSMIET	SSMIET / NSS	2	25
Elector Verification Programme on 10.09.2019 at SSMIET	SSMIET / NSS	5	60
Jal Sakthi Abhiyan 2019, Awareness of Water conservation Tree planting on 08 V.08.2019 at Koonur illage	SSMIET / NSS	4	75
Pledge for National voters Day on 21.01.2020 at SSMIET	SSMIET / NSS	3	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
UI Greenmetric World University Rankings	367th rank in the World	Universitas Indonesia	0
<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	Name of the activity	Number of teachers participated in such	Number of students participated in such
--------------------	--------------------------------------	----------------------	---	---

	agency		activites	activites
Unnat Bharat Abhiyan	MHRD, Government of India	Village Survey and House hold survey	4	98
Social activity	Women Empowerment cell, SSMIET	Breast cancer awareness program	5	39
Social activity	Women Empowerment cell, SSMIET	Oppertunities and avenues for female entrepreneurs	5	36
Social activity	Women Empowerment cell, SSMIET	How to upgrade our cognitive skills	5	105
Social Awareness Program	SSM Institute of Engineering and Technology, Dindigul	Awareness Programme at Konoor on 07.07.2019	5	75
Social Awareness Program	SSM Institute of Engineering and Technology, Dindigul	Awareness Program - Konur Village on 08.08.2019 ( In association with Govt. of Tamil Nadu)	6	94
Social Awareness Program	SSM Institute of Engineering and Technology, Dindigul	International Ozone Day on 16.09.2019	8	262
Social Awareness Program	SSM Institute of Engineering and Technology, Dindigul	Awareness Program - Virupakshi Sri Durga Home on 16.02.2020	2	43
Social Awareness Program	SSM Institute of Engineering and Technology, Dindigul	Awareness Program - K. Pudukottai GHSS on 21.02.2020	1	7
<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
0	0	0	0
<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	Duration From	Duration To	Participant
-------------------	----------------------	------------------------	---------------	-------------	-------------

		institution/ industry /research lab with contact details			
Inplant Training	Inplant Training	Internatio nal Airport Madurai	09/12/2019	13/12/2019	students
Internship	Internship	Galwin Technology Chennai	03/12/2019	05/12/2019	students
Internship	Internship	AltSense T richirappall i	03/12/2019	05/12/2019	students
In plant training	In plant training	Associated Transformer -Dindigul	02/12/2019	13/12/2019	students
In plant training	In plant training	Litz Technology - Coimbatore	09/12/2019	13/12/2019	students
Inplant Training	Inplant Training	LT COCHIN DOCK PROJECT, Cochin Shipyards - Larsen Toubrco LT- Cohin, Kerala .	13/01/2020	26/01/2020	students
Industrial visit	Industrial visit	Industrial visit - Water treatment plant - Madurai - Ambu Nagar Rd, Sandaiyur, Tamil Nadu 624220.	25/01/2020	Nil	students
In plant training	In plant training	TAFE Limited	14/02/2020	15/12/2020	students
<a href="#">View File</a>					

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
Central Institute of Plastics Engineering and Technology	11/02/2020	Conducting Skill development programs, Long term courses	0

Tirupathi E Power Motors	09/01/2020	internship, workshop program and inplant training and testing related services	100
Arulmigu palaniandavar arts college for women	06/12/2019	Internship and inplant training	29
<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
200	250

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nill	Newly Added
<a href="#">View File</a>	

### 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	Partially	8.1	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1616	400000	1519	456973	3135	856973
Reference Books	123	66013	135	40185	258	106198
e-Books	60	15000	65	20000	125	35000
Journals	102	259178	102	260604	204	519782
e-Journals	148	13570	148	13570	296	27140
CD & Video	60	15000	40	10000	100	25000
Library Automation	1	73750	0	0	1	73750
Weeding (hard & soft)	3	1050	4	1400	7	2450

[View File](#)

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
MRS.S.LINGESWARI	PREFABRICATED STRUCTURES	GOOGLE CLASSROOM	05/02/2020
MRS.S.LINGESWARI	STRUCTURAL ANALYSIS II	GOOGLE CLASSROOM	05/02/2020
MR.A.ARULGNANAPRA GASAM	REPAIR AND REHABILITATION OF STRUCTURES	GOOGLE CLASSROOM	05/02/2020
MR.A.ARULGNANAPRA GASAM	DESIGN OF STEEL STRUCTURAL ELEMENTS	GOOGLE CLASSROOM	05/02/2020
MRS.S.SELVABHARATHI	WASTE WATER ENGINEERING	GOOGLE CLASSROOM	05/02/2020
MRS.S.SELVABHARATHI	REPAIR AND REHABILITATION OF STRUCTURES	GOOGLE CLASSROOM	05/02/2020
MRS.C.MERLIN RANI	STRUCTURAL ANALYSIS II	GOOGLE CLASSROOM	05/02/2020
MRS.C.MERLIN RANI	CONCRETE TECHNOLOGY	GOOGLE CLASSROOM	05/02/2020
MR.M.P.KARTHIK	PREFABRICATED STRUCTURES	GOOGLE CLASSROOM	05/02/2020
MR.M.P.KARTHIK	IRRIGATION ENGINEERING	GOOGLE CLASSROOM	05/02/2020
<a href="#">View File</a>			

#### 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	595	0	595	0	554	14	15	110	12
Added	0	0	0	0	0	0	0	0	1
Total	595	0	595	0	554	14	15	110	13

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

110 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
LG LED TV - 01, Logitech Video Conference Unit - 01, (Includes Camera, 1 - Mic and 2 Speaker)	<a href="http://www.ssmiet.ac.in/videoconference/">http://www.ssmiet.ac.in/videoconference/</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
350	359	200	242

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)

**Building Maintenance:** Maintaining the College campus and buildings is the responsibility of the Work Section. This department has a very strong structure including Civil/Electrical Assistant Engineer, Senior Supervisor, qualified electricians, plumbers, welders, pump operators and skilled workers. They take care of every day needs of all departments and meet their various requests. The up-keeping of campus and buildings is carried out by experienced labour force.

**Campus keeping and Garden development:** The grounds and gardens are beautifully and aesthetically maintained by the gardeners in the college campus. Along with man power, sophisticated machines are used to keep the classrooms and corridors clean.

**Water supply and Sewage Treatment Plant:** Mineral water is supplied to all the members of the college. Uninterrupted water supply to the campus is provided round the clock throughout the year. Treated water from the sewage treatment plant is used for farming and gardening.

**Power supply, Electrical and UPS Maintenance Air Conditioners Maintenance:** Electricians under the control of Electrical Engineering Department look after the daily maintenance of electrical fittings and UPS in the campus. Supply is maintained through electricity board or captive generator sets without interruption. AC Mechanic works for the maintenance of air conditioners. Proper earth connections are provided for all electrical installations in the campus. Lightning arresters are fixed in the buildings and their earth resistance is ensured once in 6 months.

**Surveillance cameras, Fire extinguishers and Transport facilities:** In order to keep the campus secure and safe, surveillance cameras are installed at several vital locations inside the campus. Transport facilities are available for faculty, staff and students. Our college has 18 buses, one mini bus and two vans for the benefit of students and staff coming from nearby places. Different types of fire extinguishers are available and placed at appropriate locations in the campus checked periodically. Fire extinguishers are periodically inspected and refilled. Safety charts and instructions are available in appropriate places in the campus.

**Computer Maintenance:** All the computers and peripherals are covered under warranty or maintained by IT management team of the college. Critical Problems are solved by on-call basis.

<http://www.ssmiet.ac.in/facilities/>

#### 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	Nil	0	0
Financial Support from Other Sources			
a) National	District back	698	8361625

	ward welfare scheme / SC/ST Scholarship		
b)International	Nil	0	0
<a href="#">View File</a>			

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 implementation	Number of students enrolled	Agencies involved
Soft skill Development	23/07/2019	145	1. CADD Technologies, Shop No.27/2, Ram Nagar, Coimbatore, Tamil Nadu. 2. NIIT Management Training Company, Tambaram, Chennai - 600045, TamilNadu
Career Counseling	30/08/2019	85	Bounce Academy, 2/234, VISRAAM, Near Railway Crossing, Chettaiyapatti, Dindigul-624302. Tamil Nadu
Remedial Coaching	24/10/2019	175	Department Faculties, SSM Institute of Engineering and Technology
Remedial Coaching	09/01/2020	75	Department Faculties, SSM Institute of Engineering and Technology
Personal Counseling	13/11/2019	15	Dr.S.Suguna, Sibi Hospital, NO-141, Karur main road Aathumedu, Vedasandur-624710
Bridge Courses	27/06/2019	20	Department of Mathematics, SSM Institute of Engineering Technology, Dindigul
Bridge Courses	08/01/2020	20	Department of Mathematics, SSM Institute of Engineering Technology, Dindigul
Language	01/07/2019	45	Department of



laboratory			English, SSM Institute of Engineering Technology, Dindigul
Meditation and Yoga	31/01/2020	155	Department of Mechanical Automobile Engineering SSM Institute of Engineering Technology, Dindigul
<a href="#">View File</a>			

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
2020	Career Development Program (Placement Training)	50	319	1	298
<a href="#">View File</a>					

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
0	0	0

## 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
PHA India Pvt Ltd, Chennai.	283	263	HP, Chennai	140	35
<a href="#">View File</a>					

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	1	B.E	ECE	THE	M.TECH -

				GANDHIGRAM RURAL INSTITUTE, GANDHIGRAM, DINDIGUL.	RENEWABLE ENERGY
2019	1	B.E	ECE	KUMARAGURU COLLEGE OF T ECHNOLOGY,CO IMBATORE	MBA
2019	1	B.E	CIVIL	GOVERNMENT ENGINEERINF COLLEGE, TIRYNELVELI	M.E STRUCTURAL ENGINEERING
2019	1	B.E	MECHANICAL	NORTHMBRIA UNIVERSITY, NEWCASTLE, UNITED KINGDOM	M.S - RENEWABLE & SUSTAINABLE ENERGY TECHNOLOGIES
<a href="#">View File</a>					

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
GRE	1
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Cricket	Zonal	100
Football	Zonal	150
Ball Badminton	zonal	115
<a href="#">View File</a>		

### 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	Runners	National	1	Nil	92211810 6048	V.Prabu
2019	Runners	National	1	Nil	92211610 2005	C.Arjunk umar
2019	Runners	National	1	Nil	92211710 2051	M.Surend har
2019	Runners	National	1	Nil	92211710 5001	B.Ajay
2019	Runners	National	1	Nil	92211710 3065	V.Ragupa thy
2019	Runners	National	1	Nil	92211610	M.Dhines

					3007	hwaran
2019	Runners	National	1	Nil	92211611 4046	S.Muthur aja
2019	Runners	National	1	Nil	92211610 3039	S.Parthi ban
2019	Runners	National	1	Nil	92211610 5028	A.Sarava nan
2019	Third	National	1	Nil	92211610 6020	A.Dhamod haran
<a href="#">View File</a>						

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

CRITERION - V 5.3.2 STUDENT COUNCIL The Student Council of SSM Institute of Engineering Technology comprises of Student Committees for Departmental activities, and Student Committees for Co-Curricular activities. The organization chart of Student Council is provided in the additional information. Objective of student Committee:

- Student committee is the representative body of students of the college.
- The objective is to make the students participate in the development of the institute as well as in the process of developing their personality, leadership quality, organizational skills and career through interactive programs with the faculty and society.
- The goal of the student committee is to provide a common platform to students to showcase their talents in co-curricular and extra-curricular activities. It is responsible for the successful conduct of all the major technical, cultural, literary and sports activities organized in the college premises.
- The student committee helps the students share ideas, interests, and concerns with the faculty. They often help raise funds for people in distress.

1. Class Representatives Committee
  - For every Department, for departmental activities.
  - Two student representatives from first, second, third, fourth year from each department form this class.
  - A meeting is conducted during the commencement of every semester to make a decision on the various departmental activities.
2. Class Committee
  - For every class, for evaluating the academic progress of each class.
  - Class representatives from each class along with the faculties handling the subjects form this committee.
  - A meeting is conducted twice every semester, during the commencement and towards the end of every semester, to evaluate the academics.
3. Techno-Cultural Committee
  - For coordinating the National Level Techno - Cultural Festival
  - From each department, one student representative from final year is selected as Technical and Cultural Head. These students form this committee. They are responsible for coordinating our Techno-Cultural Fest. They are also responsible to co-ordinate other cultural events organized in the college.
4. Sports Committee
  - For coordinating the Sports Events
  - From each department, one student representative from final year is selected as Sports Head. These students form this committee. These students are responsible for coordinating our Sports they are also responsible to co-ordinate the game events organized in association.
5. Hostel Committee
  - Acts as a bridge between the administration, caterers, hostel authorities on one side and the students on the other.
  - Facilitates the grievance redressal of students and communicates the same to the concerned authorities.
  - Keeps a check on the daily issues regarding the hostel infrastructure, the housekeeping issues, mess facilities, etc.
  - Coordinates with other clubs and committees for the successful conduct of various events.

OTHER CLUBS DETAILS:

- IQAC
- Software Development club
- Women Empowerment Cell
- Anti-ragging Committee
- Entrepreneur Development Cell (EDC)
- Hostel Committee
- Music Club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

419

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1

## **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)

The system is effectively decentralized for a better governance and performance. The strategic plans and major decisions related to academic and administrative tasks are thoroughly discussed in the Governing Council meeting. The decisions taken are executed by the Head of the institution. The Heads of the Departments and the faculty members ensure proper implementation of the policies given by the Governing Council. Decision making authority is well decentralized in this system. The Management gives autonomy to the Principal to execute the strategic plan in order to fulfil the Vision and Mission of the Institution. Heads of the Departments are delegated with department level authority and operational autonomy but take important decisions with Principal's endorsement. Mostly, Heads of the Departments along with faculty members actively govern and administer the department. The Heads of the Departments also conduct meetings periodically and the academic activities are planned as per the academic schedule. Also, the Principal organizes regular meeting of all faculty members with Heads of the Departments periodically to review the academic related matters. All other administrative tasks are carried out under the control of Administrative officer (AO).

Case Study - 1: Remedial classes for slow learners

- Improvement Tests and Remedial classes are conducted for those who have not performed well in the internal test as per the decision taken in the Principal - HoDs meeting conducted.
- The slow learners are identified by the subject handling faculty members and the remedial classes are conducted.
- Slow learners are given a chance to appear for a retest to improve their internal marks.
- Remedial Class schedule is prepared by each department for all the subjects after the conduct of every internal test.
- The list of slow learners is circulated to the students and displayed in the department notice board.
- The remedial classes are conducted for the slow learners after the regular hours and this helps in acquiring the subject knowledge and score better marks.

Example - 2: Class Committee Meeting

- A class committee consists of the Head of the Department, the Class in-charge, all the subject handling faculty members and 4 to 6 student representatives of the class.
- The HoD shall be the Chair-person of the Committee and two senior faculty members play the role of convener and observer of the meeting.
- The class committee meeting is conducted twice in a semester.
- The purpose of a class committee meeting is
  - o To ensure the smooth conduct of curricular, co-curricular and extra-curricular activities,
  - o To assess and monitor the academic performance of the students,
  - o To receive feedback from the faculty members regarding the syllabus coverage, class control and students attendance,
  - o To receive feedback from the students regarding the teaching-learning

process, internal assessments, co-curricular, extra-curricular activities, student support services, and mentoring. • The department concerned initiates necessary actions to sort out the problems discussed in the meeting.

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
<p>Research and Development</p>	<ul style="list-style-type: none"> <li>• SSMIET has constituted a Research and Development Cell involving all the UG departments to encourage research activities.</li> <li>• SSM Project Incubator Cell has been functioning since 18th February 2015 cultivating entrepreneurship among the students.</li> <li>• 4 Research Centres duly approved by Anna University, Chennai are established.</li> <li>• Faculty's research activity includes publications, paper review, and guiding students.</li> <li>• The management promotes research activities by providing registration fee, TA, etc. to the faculty who participate in seminars and conferences.</li> <li>• Faculty members are encouraged to participate and present papers related to their research work in national/ international conferences.</li> <li>• Incentives are provided to the highly meritorious faculty who win awards.</li> <li>• Research projects worth 31 lakhs are under progress.</li> <li>• Most of the faculty members pursue research and publish their research papers in reputed national and international journals.</li> <li>• Some of our faculty received award from various Government and Non- government organizations.</li> </ul>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<ul style="list-style-type: none"> <li>• College has a vast land area of nearly 9 lakhs meter square.</li> <li>• Well architecture buildings for departments and hostels are built on 4 lakhs meter square connected by well established roads.</li> <li>• The ambience is attractive with lush green lawns, plants and trees.</li> <li>• Separate boys and girls hostels accommodate around 120 boys and 80 girls.</li> <li>• The college is accessible through road, rail and airways. The nearest junction is Dindigul and nearest airport is Madurai.</li> <li>• There are 49 class rooms well equipped with LCD projectors and white boards, 40 laboratories, 553 computing systems.</li> </ul>

A 3000 capacity acoustically designed auditorium, 2 air conditioned and 2 non AC seminar halls and a 1500 capacity indoor auditorium are available to conduct programmes accommodating more students. • Infrastructural development is given priority by allocating funds every year. • All the departments have office room and rest rooms for students and staff. • Ground floor class rooms, ramps for wheel chairs are provided to meet the requirements of the physically challenged. • High speed Internet Connectivity is provided in the campus and hostels. • Modern laboratory equipments, reputed journals, rare books and digital library amply support students to undertake research activities. • Sports area includes Indoor Stadium with well furnished flooring, Gymnasium, Pavilion and Gallery. • High speed Internet Connectivity is provided in the campus and hostels. • Modern laboratory equipments, reputed journals, rare books and digital library amply support students to undertake research activities. • Sports area includes Indoor Stadium with well furnished flooring, Gymnasium, Pavilion and Gallery. • Badminton and Hand ball courts, Table Tennis Room, Sports Officer Chamber, Yoga Meditation • Room, Hockey, Football and Cricket grounds, Basket ball and Ball badminton courts are provided to groom talented sportspersons. • Proper maintenance of all the available facilities is taken up by the designated personnel.

**Human Resource Management**

The recruitment and selection of staff is highly effective in terms of its rigorous adherence to the policy and procedures laid down by the College Management and it ensures transparency in terms of maintenance of files and records. The process goes as follows: • Need based assessment of manpower is prepared at the department level by H.O.Ds which are scrutinized and finalized by the Principal. • The consolidated manpower requirement is then sent to Campus Director for approval. • An Ad hoc Selection Committee is constituted comprising normally all the Heads of the Department with the Principal as the Chairman of the committee. • The Selection Committee prepares a job

specification for each position. • The Selection Committee prepares a panel of experts for each department. • Applications for various posts are invited through Advertisement in the newspapers. • Applications are sorted out and filed. • The Head of the concerned department scrutinizes the applications, short list the candidates. • The Head of the Department fixes the date of the interview in consultation with the Principal. • The interview date is informed through call letter to candidates giving sufficient time (15 Days). • The Interview committee will comprise of the HoDs, Principal and Campus Director. This panel selects candidates on the basis of merit-through written test, demo sessions followed by Personal interviews. This Committee finalizes suitable candidates. • After this, the Chairman will release an Offer of appointment indicating pay package and service rules. Orientation and Training • The new incumbents are inducted to the concerned departments where they are familiarized to the people, process and practices in order to orient them towards the work culture of SSMIET. • The Management of SSMIET strongly believes that continuous up gradation of knowledge and technology is the hallmark of a teacher. To meet this need, the Institution encourages the departments to organize FDP (Faculty Development Program) for the benefit of its faculty and also lends support when the faculty wants to attend FDP in other reputed institutions. Besides FDP, research publications, too, are appreciated and given suitable weightages by including these components in the performance evaluation. Promotion Policy "Promotion on the basis of performance evaluation combined with the length of experience" is the promotion policy (Faculty Up gradation Policy) of SSM Institute of Engineering and Technology. Since performance based evaluation is the underlying principle of Promotion Policy of SSMIET, the evaluation process is designed in such a way that it is measured against objective (component) parameters such as academics, continuous learning and



standards with equitable Weightage as depicted in the evaluation format.

**Termination Resignation:** A staff will be at liberty to tender his/her resignation from the services of SSMIET in compliance with the conditions as laid down in the order of Appointment. Normally, a list will be collected from the department during Jan/Feb every year, advising the staff members to indicate whether they intend to continue in the services of the college or not for the next academic year. The staffs who express their unwillingness to continue will be discharged from duty at the end of the academic year after they complete the work, assigned to them.

**Separation:** If a staff intends to resign from the services of the college, the following conditions would apply: The employee has to request in writing well in advance of his/her intention to resign from the services at college to the Competent Authority through proper channel. The employee has to give either three months notice or pay three months salary in lieu thereof and he/she will be relieved from the services of the college, subject to the acceptance of their resignation by the Competent Authority. The employee shall not be granted any leave except casual leave during the notice period. On acceptance of resignation, the employee will be required to hand over charge as directed by the Principal which includes handing over of all official Documents, Records, Library books, Project details including funded project details, Room, Table and shelves keys before collecting the No Dues certificate from all concerned departments prior to release in a prescribed format. The employee has to fill up the Provident Fund forms before his/her release, for expeditious settlement of dues. All properties of the College should be returned in proper condition to the HOD/ PRINCIPAL for the issuance of Reliving Order. The Principal will arrange an Exit interview with the staff after the acceptance of his/her resignation with a view to obtain a candid feedback. All staff leaving the services of the College will be issued a Service Certificate on the date of relief. The



Management reserves the right to terminate the services of any employee at any time without giving prior notice and without assigning any reason thereto.

Industry Interaction / Collaboration

The primary objective of the IIIC and the Training and Placement Cell is not only to create close links between Industry and Institute by conducting interaction programs to prepare students for placement but also to enhance their application skills related to various engineering and management theories. Activities • Expert talks to enable students to imbibe the current industrial practices • Internship and factory visits • Technical Festivals / Exhibition / Student Competitions • Competency Development / Personality Development Programmes • Consultancy/ Research work to be done by the Students • Under supervision of experts from Industry Industrial Projects • In plant Training (summer winter) • Seminars • Conducting Technical Quiz Programme • HR Summits • Guidance to students to attend various project competitions

Admission of Students

Candidates seeking admission to the first semester of the eight semesters B.E. / B.Tech. Degree Programme: Should have passed the Higher Secondary Examinations of (102) Curriculum prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto. (i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. (OR) (ii)The candidates who possess the Degree in Science (B.Sc.,) (1023 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Curriculum Development

Curriculum is provided by the Anna University, Chennai. Academic calendar is diligently prepared to implement the curriculum effectively.

## Teaching and Learning

- Students are admitted under Management Quota (35) and TNEA single window counseling system (65).
- Student-centric teaching learning process is followed.
- Smart class rooms help teachers utilize e-learning facilities such as NPTEL video lectures, video lectures of our members of faculty.
- To provide a smooth transition from school education to college, Bridge course is conducted for I year B.E. students.
- Tutorial sessions with two faculty members per class are allotted for Analytical subjects.
- Students are encouraged to use e-journals and other online facilities available in digital library.
- An effective mentoring system is followed to motivate, counsel and provide psycho-social guidance and moral support to the students to upgrade their skills and overcome their personal and family problems.
- Teachers' quality is improved by conducting faculty development programmes, workshops, and seminars by inviting eminent persons as guests.
- Faculty members and advanced learners are encouraged to attend conferences, seminars and workshops to enhance their technical knowledge.
- In-plant training and guest lectures are arranged for the students to have industry institute interaction so as to enhance their technical skills.
- Value added courses are conducted on every Saturdays to bridge the academia and industrial gap.
- A transparent process is adopted in conducting three internal assessment tests and students are given a chance to verify their score after evaluation of scripts.
- Slow learners are identified based upon their performance in the internal assessment tests and counseled.
- Remedial classes are also arranged to improve their performance in the subsequent tests.
- Class committee meetings and effective feedback mechanism help us enhance teaching-learning and evaluation processes.
- Teaching learning process is monitored by organizational hierarchies such as the Principal, heads of the departments, year coordinators, class in-charges and mentors.
- The academic performance and attendance of students are intimated to Parents through

SMS/Letters. • To improve the academic performance of the students, Parent-Teachers meeting is convened after the Publication of every University Exam Results • As part of placement training programme, analytical and aptitude training programs/classes are conducted every academic year by involving external training agencies. • Arranging both on-campus and off-campus placement in Core companies and IT companies for the Final Year students as a part of placement programme. • In order to provide refreshment and improve the physical and mental health of the students Physical Educational Training hour has been included in the academic time table.

**Examination and Evaluation**

• Student's performance in a particular subject is evaluated by the faculty member based on his / her score in the Internal Tests (IT) and Model Exam (ME) and if any student appeals for improvement, at least one more test of the following kinds: unit test, improvement test, home assignments, periodical quizzes, laboratory work, seminar or any other assignment that the instructor considers necessary for assessing the student's performance - may be conducted. In such cases the question papers are scrutinized by the Head of the Department. • Performance of the students in each subject is assessed internally by conducting atleast 3 internal tests periodically covering a part of the syllabus as mentioned in the academic calendar. However, four tests - three internal tests and one model exam are planned and conducted as per the academic calendar. The internal tests are conducted in a centralized manner. • The answer sheet evaluation is done by the subject handling Faculty. The evaluated answer scripts are distributed to the students for their perusal, collected back with the student's signature and retained by the faculty members. These marks are entered in the provided format and the result analysis is done and submitted to the Head of the Department. Then the performance is analyzed.

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

E-governance area	Details
-------------------	---------

<p>Planning and Development</p>	<p>It is considered as web base of the ERP Software. It should be in the control of ERP Administrator. He has to do the yearly settings like creation of new academic year / semesters / departments / courses / classes / timetable and moving the classes to higher forms. User name creation and rights allocations / locking the rights are done here. Faculty has to do their lesson plan / course material / assessment entry for their class. Students can login to the portal and they can view their information like attendance / course material / leave details.</p>
<p>Finance and Accounts</p>	<p>It is a highly structured reliable Fee Collection (Billing) module of the ERP Software. The college authorities can create their own fee heads sub heads like Term Fee, Book Fee, Uniform Fee, Hostel Fee, etc and add demand for individual / class / total students in a single click. Fixing last date for payment and collecting overdue amount from defaulters, giving concession to the deserved pupils are given in the respective screens with necessary permission so that perfect and orderly maintenance of the cash flow are ensured. It is to record the Teaching, Non-Teaching, and Admin Sub-Staff details that lead to Payroll through biometric integration. You can find the details of existing, resigned, long absentees staff at any time. Mainly this focuses on the academic staff and their performance.</p>
<p>Student Admission and Support</p>	<p>It is the only single point entry of student records in the entire ERP. Application Cost, fixing the Course Fee, Course Enquiry, Sale of Application and Admitting the students and synchronizing the fee structure, discontinue, request for TC and refund of course fee, rejoining / transfer enrolment, assigning the Roll Number and Register Number to all students, express TC CC generation for all outgoing students are done here by the administrators.</p>
<p>Examination</p>	<p>Since we are affiliated to Anna University, Chennai., we had the COE portal to enter our student course registration, Attendance and internal mark assessment entry, Elective courses registration. Regular and arrear</p>

subjects registration, Exam Time Table preparations, Gally Report Generation, Hall Arrangements, Numbering the Tables, Exam Attendance, Packing, Dummy Number Generation, Assessment Entry, Exam Results Mark entry, Verification, Moderation.

### 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	Marisekar B	Workshop on Innovative Technologies for Micro-Grid and Smart- Grid Systems For Energy Conversion and Storage appliances for Future Needs 2019	CSIR	300
2019	Dr.M.Muthukanan	International workshop and Conference on Mathematical Analysis and Computation	SERB	Nil
2019	Dr.V.Kandavel	One day national workshop on "E-learning and MOOCs in Higher Education"	NA	500
2019	Dr.V.Kandavel	Three Days workshop on "Current Trend in Surface modification Process of Bio-Implants and FEA Application in Orthopedics	ICMR	Nil
2019	R.CarolPraveen	CSIR sponsored two days National level Seminar on Artificial Perception, Machine	CSIR	400

		Learning for Human Robot Interface		
2019	S.R Ashokkumar	CSIR sponsored two days National level Seminar on Artificial Perception, Machine Learning for Human Robot Interface	CSIR	400
2019	V.P Jayfantin	CSIR sponsored two days National level Seminar on Artificial Perception, Machine Learning for Human Robot Interface	CSIR	400
2019	Dr.S.Karthigai Lakshmi	CSIR sponsored two days National level Seminar on Artificial Perception, Machine Learning for Human Robot Interface	CSIR	400
2019	V.PraveenJesuraj	One day National workshop on e-Learning and MOOCs in Higher Education	NA	500
2019	G.Selvabharathi	International Conference on Multifunctional and Hybrid composite Materials for Energy, Environment and Medical Applications(ICMHCEE 2019)	NA	1000
<a href="#">View File</a>				

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	Title of the	From date	To Date	Number of	Number of
------	--------------	--------------	-----------	---------	-----------	-----------

	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	Two days National level Seminar on Artificial Intelligence in Medical and Healthcare applications	NA	13/06/2019	14/06/2019	10	Nil
2019	NA	Workshop on Awareness of cost effective LED manufacturing, Electrical Hazards and safety practices	15/07/2019	17/07/2019	Nil	10
2019	One day FDP on Became a True Mentor	NA	30/11/2019	07/12/2019	60	Nil
2019	NA	A one day training programme on Inputs on Organizational Behaviour	07/12/2019	07/12/2019	Nil	20
2019	Two days National level workshop on Artificial Intelligence in Neuroscience: A Clinician's Perspective	NA	17/12/2019	18/12/2019	12	Nil

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
International FDP on "Synergia to Revitalise, Reform, and Refresh Ourselves as Agents to Ensure Quality Education"	1	01/06/2020	07/06/2020	7
FDP on "Refrigerants Progression - Environmental Concerns"	1	01/06/2020	05/06/2020	5
Short term Course on Power Electronics Converters, Operation and Control.	1	02/12/2019	06/12/2019	5
FDP on "Application of soft computing techniques to power quality and energy conservation issues in renewable energy systems"	1	04/11/2019	17/11/2019	14
FDP on "Advancements in Materials Science"	1	05/06/2020	06/06/2020	2
Online Orientation Course On "Introduction to Google Docs"	1	06/06/2020	06/06/2020	1
FDP on "Disruptive Technologies"	1	08/05/2020	16/05/2020	9
FDP on "Future of Examinations: Blooms Taxonomy and Multiple	1	08/06/2020	08/06/2020	1



Assessment Tools"				
National Level Seminar On "Current Trends in Nuclear material Research and Technology"	1	09/01/2020	10/01/2020	2
FDP on "Geo Gebra 5.04"	1	10/05/2020	10/05/2020	1
<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
0	129	0	39

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Promotion and increments are given to the teaching staff based on the Performance appraisal. 2. Medical leave, winter and summer vacation leave is provided to all teaching staff. 3. On Duty leave is provided to attend workshops, seminars, FDP's, conferences and Anna University Exam duties for all teaching staff. 4. Marriage leave is given to all teaching staff. 5. Women faculty is provided with maternity leave for three months. 6. Institution provides transport facility to all the teaching staff. 7. Faculty members opting to stay in hostel are given accommodation with fee concession. 8. Employees Provident Fund scheme (EPF) for the teaching staff right from the date of joining. 9. Free medical checkup camps are organized regularly by the institution to all</p>	<p>1. Increments are given to the non-teaching staff based on the Performance appraisal. Medical leave, vacation leave is provided to all non teaching staff. 2. On Duty leave is provided to attend workshops, seminars, FDP's, conferences and Anna University Exam duties for all non-teaching staff. 3. Marriage leave is given to all non teaching staff. Women faculty is provided with maternity leave for three months. 4. Institution provides transport facility to all non teaching staff. Staff members opting to stay in hostel are given accommodation with fee concession. 5. Employees Provident Fund scheme (EPF) for the nonteaching staff right from the date of joining. 6. Free medical checkup camps are organized regularly by the institution to all nonteaching staff. 7.</p>	<p>1. A number of students are benefitted by the scholarships provided by Government and our management. 2. The institute provides sufficient opportunity for students' interaction to augment desirable multi-dimensional progress. Regular interaction of the students with faculty, heads of the departments and Principal is practised. 3. Students committees and participation of students in various clubs act as an interface between the teachers and the society. 4. Students organize various co-curricular and extra-curricular activities under the guidance of the faculty advisors. These activities help them acquire organizational skills and leadership qualities. 5. The students are properly guided and counselled during mentor hours to</p>

teaching staff. 10. Insurance scheme for all the teaching staff. 11. The Institution arranges tour for the teaching staff every year. 12. For the admissions in SSM Group of institutions, top Priority is given to the children of teaching staff of our institution. 13. Assessment and Training programmes are conducted for the new faculty members to improve their communication skills and Teaching skills. 14. Sponsoring/deputing the faculty to Faculty Development Programmes organized by the University and other institutions in the region. 15. Encouraging the faculty members to publish research papers in journals and offering incentives for the same. 16. Sanctioning on-duty leave to attend conferences / workshops outside of the institution

Insurance scheme is provided for all the non-teaching staff. 8. The Institution arranges tour for non-teaching staff every year. 9. For the admissions in SSM Group of institutions, top Priority is given to the children of non-teaching staff of our institution. 10. Assessment and Training programmes are conducted for the new staff members to improve their communication skills and Teaching skills.

overcome psychological barriers Counselling helps in preventing incidents of ragging or harassment in the institution since inception. 6. The institute has constituted Anti-Ragging committee, Grievance Redressal Cell to ensure a ragging free environment and voice their views respectively. As a result of this mechanism, the college has a pleasant atmosphere and good work culture with an inbuilt goodwill and mutual understanding among its stakeholders. 7. Bridge courses and remedial classes help the slow learners improve their performance. 8. Advanced learners are motivated by providing cash incentives for the department toppers GATE coaching classes are conducted to advanced learners which will provide the man opportunity to face all the competitive examinations.

#### 6.4 – Financial Management and Resource Mobilization

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

The management has regulated the purchase process that mandates the approval of top officials. Cash inflow and expenditure are monitored using Tally software and cash collected at the counter is deposited in the account every day. The books of accounts, payment vouchers, bills and bank statements maintained by the institution are verified by the senior accounts officer on daily basis. There is a concurrent audit by the team designated for verification of transactions and entries made in the books. The audit team is directed to meet the management once in a fortnight to report their audit findings. A qualified Chartered Accountant reviews the accounts/entries on quarterly basis. Suggestions/objections, if any, raised by the Chartered Accountant are discussed with the management for necessary action. Every year the accounts are further reviewed and finalized by external auditors and audited financial statements are prepared.

##### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	NA

[View File](#)

6.4.3 – Total corpus fund generated

0

**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	No	Nil	Yes	Principal
Administrative	No	Nil	Yes	Principal

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

Mentoring at our institution enables close monitoring of the progress of the students. For every 15 students, one faculty member is allotted during a semester. The mentees are counseled by the mentors every week. Detailed background information about the students is available with the mentors and regular updates about the individual mentee ensure close monitoring of the progress made during a particular semester. Mentees innate talents are identified and their participation in co-curricular, extra-curricular activities are encouraged and monitored. Mentees progress in academics is periodically reported to the parents. • Parent - Teacher Association at our Institution conducts meeting every semester to inform parents about their child's academic performance and growth. • The collaboration of the parents and the faculty members lead to the effective implementation of the mentoring system. • Close monitoring strengthens the mentees' edge-competitiveness, competency, maturity, goal settings, clarity of thoughts and positive attitude.

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

1. Workshop on Awareness of cost effective LED manufacturing, Electrical Hazards and safety practices 2. A one day training programme on Inputs on Organizational Behaviour

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

Post Accreditation initiatives include • Faculty members may be encouraged to register PhD to acquire higher qualification through Research • Faculty members may be motivated to publish their research work in reputed journals • More number of Collaborative linkages with industry may be undertaken to increase no of placements • Tapping of financial resources from UGC and other funding agencies may be attempted • More extension activities need to be initiated.

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	No

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	FDP on Become a	30/11/2019	30/11/2019	30/11/2019	60

	True Mentor				
2019	Training programme on Inputs on Organizational Behaviour	07/12/2019	07/12/2019	07/12/2019	15

[View File](#)

## 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
Blood Donation Camp	02/07/2019	02/07/2019	0	18
"Fit India" Movement launching by honorable Prime Minister of India	29/08/2019	29/08/2019	25	50
Elector Verification Programme	10/09/2019	10/09/2019	30	30
National voters Day	21/01/2020	21/01/2020	30	25
Counseling for the students by Dr.S.Asha, Student Councilor	25/02/2020	25/02/2020	75	45
Counseling for the students by Dr.S.Asha, Student Councilor	12/03/2020	12/03/2020	75	45
Career Opportunities in Web Development	14/05/2020	14/05/2020	25	20

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

1.45

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
-----------------	--------	-------------------------

Physical facilities	Yes	1200
Provision for lift	Yes	600
Ramp/Rails	Yes	200
Braille Software/facilities	Yes	50
Rest Rooms	Yes	1200
Scribes for examination	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
2019	Nil	1	07/07/2019	1	Awareness Program - Konur Village	Health and Hygiene	80
2019	Nil	1	08/08/2019	1	Awareness Program - Konur Village ( In association with Govt. of Tamil Nadu)	Water Conservation Environment	100
2019	1	Nil	30/11/2019	1	FDP on Effective Mentoring	Become a true Mentor	45
2019	1	Nil	07/12/2019	1	FDP on Effective Mentoring	Become a true mentor	45
2020	1	Nil	29/01/2020	1	Scifest -2020	Individual Talents	285
2020	Nil	1	16/02/2020	1	Awareness Program - Virupatchi Sri Durga Home	Health	45
2020	Nil	1	21/02/2020	1	Awareness Program - K. Puduko	Hygiene and Sanitization for Girls	8

[View File](#)

## 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Hand book for the Academic Year 2019 - 20	14/08/2019	The conduct of the students is monitored through class committee and class representatives meetings. Feedback obtained during these meetings and observations from faculty members related to academics and the teaching learning are discussed in the faculty meetings conducted every week. The points observed in faculty meetings are discussed/ monitored in the HoDs meetings conducted every Friday.

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Dr. A.P.J Abdul Kalam's memorial day	26/07/2019	26/07/2019	120
Independence Day	15/08/2019	15/08/2019	110
Engineers Day Celebration	16/09/2019	16/09/2019	210
International Ozone Day	16/09/2019	16/09/2019	390
Republic Day	26/01/2020	26/01/2020	110

[View File](#)

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

1. Solid waste management
2. Waste water management
3. E-Waste Management
4. Rain water harvesting structures and utilization in the campus
5. Green Practices
  - a) Students, staff using Bicycles
  - b) Pedestrian friendly roads
  - c) Plastic-free campus

## 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Moderate class size. (30/40) Goal To pay more attention to the individuals, help every student understand the materials, provide the help he/she needs and to make them realize his/her potential. To identify the individuals talents and flaws and help them overcome emotional crises. To ensure proper understanding of the concepts which in turn helps them obtain better grades and commendable CGPA. Context Students are used to guided learning at the school. In a professional set up, learning new concepts within the specific time limit may pose the students some difficulty initially. The smaller size classes enable faculty pay more attention on individual students

and help them gain core fundamental knowledge in the I year itself. Students council is formed to enhance the teaching and learning process. Peer group learning is implemented so that students seek help from their friends to clarify their doubts without any inhibition. Practice The affiliating body permits to accommodate 60-70 students per class. To ensure better class control and effective learning, the institution has taken up a decision to have smaller groups of 30-40 students in a class. The one on one interaction of the faculty members (mentors) with the students helps the latter express their difficulties in teaching learning process and other personal issues which are sorted out during counselling sessions. Students enjoy the privilege of meeting the Principal for a one on one session to share their feedback. Evidence of Success: Individuals' talents are identified and enhanced. Transparency in academic process Academic progress is assured. Problems Encountered Resources Required Require more faculty members and class rooms to handle additional sections. 2. Title of the practice: Skill Development for Enhancing Employability and to promote entrepreneur Ecosystem. Goal To organize value added and career guidance programs to the students to enable students acquire sound technical knowledge in their area of study To enhance quantitative aptitude of the students To provide ample practice to the students for diverse components such as presentation skills, soft skills, group discussions and one to one interviews. To take steps to transform interested students into entrepreneurs by the time they leave the institution. Context As recruiters' felt that students are technically proficient but more exposure related to communication and soft skills is prerequisite, many training programs and value added courses are conducted from the first year itself. Besides, students are expected to possess basic skill sets like good programming ability, expertise in computer languages, to mention a few. Practice Orientation program conducted to all the students during first year makes them acquainted with engineering education. Motivational programmes are conducted to introduce various essential life skills that need to be possessed by an engineer. Inputs related to the scope and opportunities available in their field of specialization make them pursue the course with motivation. Conferences, Symposia and Workshops conducted during their stay in the campus sharpen their wit and acclimatize to latest trends in their field of study. Essential technical skills are offered by means of Value Added Courses which are offered to the students from the first semester. Focused training for written and oral communication skills are conducted at regular intervals. Evidence of success Some of the students have become successful entrepreneurs. A number of our alumni have occupied coveted positions in reputed companies. Problems Encountered and Resources Required Developing communication skills among the students is a hard task. Making the students realize the importance of the training programs. Ensuring the participation of students in training programmes with commitment.

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

<http://www.ssmiet.ac.in/best-practices/>

### 7.3 – Institutional Distinctiveness

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

Response: The vision of the institution is "To educate and empower aspiring students to become resourceful, competent and socially responsible professionals and to be recognized as one of the premier technical institutions in the country." The educational philosophy followed in this campus aims at producing students who could meet the challenges at the international technical job market. Our students are groomed as professionals in their field of study and are nurtured to compete with any competitor from any part of the world. The



teaching community remains student friendly and laboratories are kept open beyond regular working hours to help students excel in their respective branch of study. To provide world class technical education, all the classes in the campus are furnished with LCD projectors the campus is enabled with Wi-Fi facility using which students can augment research bent of mind which is the need of the hour. To attain the status of a premier technical institution, the institution concentrates more on producing good results every semester. By teaching professional values and ethics the practice of ethical values in profession is instilled in the minds of our students. True to the institutional vision, all the aspiring youth of rural and semi-urban areas are transformed into workforce which is evident from the increase in the percentage of graduates annually.. Institution invites many reputed companies to the campus to select students. The goals of the institution are: Uncompromising punctuality and sincerity Excellence in educational quality Suitable placement or higher education or entrepreneurship Research and development activities Good communication skills Professional ethics and moral values Leadership qualities Sense of belongingness to the society and country Respect for fellow human beings and nature The institution takes pride in serving the society and country by providing trained human resource in the field of engineering, grooming research scholars and knowledgeable entrepreneurs, generating many innovative projects, organizing training programs and serving as a center for conducting national level on-line examinations, thus leaving no stone unturned in the process of creating a better future for the people of this part of the nation. The institution provides an opportunity to the students from the poor economic background to remit their fees in a few instalments at their convenient time. Peer groups are formed in the first year itself and a maximum of 3 students constitute the group. The composition of the group is meticulously monitored so as to ensure the presence of students with divergent caliber. The objective of the group formation to enhance the peer group learning and this type of practice is introduced during 2019-20. Besides, this year, a new process is initiated for the evaluation of final year projects in four stages with the support of industrial experts as one of the reviewers to ensure industrial relevance and implementation of emerging technologies in student's projects.

Provide the weblink of the institution

<http://www.ssmiet.ac.in/institutional-distinctiveness/>

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

Future plans of the institute are primarily aiming at scaling the intellectual environment of the Institute and NBA accreditation. This includes aiming at inducting a better quality of students, faculty and intellectual output. It is planned to motivate faculty members to complete their doctoral degrees and to continue research activities through quality publications and research projects. The Institution also plans to apply all possible funding and grant schemes from government and non-government organizations. Construction of Lift facility in the main academic building will serve all the physically challenged. Establishment of incubation cell in near future explores innovative and creative thoughts, ideas, or concepts from students, research scholars, faculty members. The institution plans to enhance outreach programmes for the members of the backward community. Strengthening the alumni network of the Institution leads to increase the placement opportunity. More number of Collaborative linkages with industry may be undertaken to increase no of Internships. The institute plans to enhance academic excellence by conducting more number of value added courses and implementing effective Learning Management System (LMS). Enhancing the social compatibility of the students is done by giving better opportunity of social interaction through Humane League activities. The Institution develops mental and physical fitness of students, faculty and staff by organizing activities such as yoga, physical



