



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**SREE SAKTHI ENGINEERING COLLEGE**

**BETTATHAPURM, KARAMADAI,  
641104**

**[www.sreesakthi.edu.in](http://www.sreesakthi.edu.in)**

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**June 2020**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Sree Sakthi Engineering College was founded by Sree Sakthi Charitable trust in the year 2010 and it is being promoted by Sree Sakthi Group of Companies, Coimbatore. The College is located at Karamadai, 25 Kms away from Coimbatore which is an industrial city and also known as Manchester of South India. The Institution offers the following courses.

### Under Graduate Courses

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics and Communication Engineering
- Computer Science and Engineering

### Post Graduate Course

- VLSI Design

### Research

- Information and Communication Engineering

The Institute is approved by All India Council for Technical Education (AICTE), New Delhi, is affiliated to Anna University, Chennai and is accredited by NAAC, Bangalore with B+ grade in the first cycle of accreditation process.

Shri. N.Dharmalingam, Chairman of the Institution also the chairman of Sree Sakthi group of Companies, Dr. S.Karthikeyan, Correspondent of the Institution and Managing Director of Sree Sakthi group of Companies, Coimbatore, Tamil Nadu, India has specializes in the manufacture of foundry equipments and integrated sand plants supplying complete solution for Foundry in India and Globe. With his rich experience as an Engineer his utmost aim is to make the students not only the graduate but an Engineer.

### Board of Management of the Institution:

**Chairman** - Shri.N. Dharmalingam.

**Correspondent** - Dr.S. Karthikeyan.

**Secretary** - Smt.K. Punithavalli.

**Trustees** - Shri. S. Murugan.

Smt.D. Savithri.

**Principal** - Dr. V. Vel Murugan.

With a clear vision and quality policy, the college is functioning in a congenial atmosphere for providing quality education to develop the human resource to serve the nation and the society. By providing the required facilities and support the management has created an atmosphere for effective teaching-learning process, research, rich industry institute interaction and skill development towards good placement.

### **Vision**

“ To be recognized as an international leader in engineering education, research and the application of knowledge to benefit society globally. ”

### **Mission**

“ To develop high quality technical education and personnel with a sound footing on basic engineering principles, technical and managerial skills, innovative research capabilities, and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting themselves to changing technological environment with the highest ethical values as the inner strength.”

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- Committed management and well qualified staff.
- Well designed teaching, learning and evaluation process is in place.
- The College provides state-of-the-art infrastructural facilities, well lighted and airy class rooms, fully equipped labs with latest equipments.
- Wi-Fi Enabled campus.
- Library stocked with wide range of reference books, text books, journals, magazines, online resources, back issues and digital library.
- On a consistent basis more than 70 % of our students are graduated every year.
- Effective "Tutor-Ward system to help and motivate the students is in place.

- Being run by the industrialists the Rich Institute Industry interaction is in place.
- The College encourages the faculty members to organize and participate in seminars, workshops, conferences and faculty development programmes to strengthen existing knowledge base.
- A wide range of extracurricular activities aimed at the all personality development of students.
- Performance feedback is collected from all stakeholders to improve the teaching learning process.
- A separate placement and training cell to groom the students to be industry ready through training on communication, soft skills and special technical training.
- MoUs with leading industries / institutes have been signed for the benefit of the students and faculty to upgrade the knowledge and inculcate the research culture.
- Bridge courses are taught to bridge the industry institute gap.
- The students are motivated to participate in in-plant training, internships, industrial projects, paper presentation, workshops and seminars.
- Social awareness and social responsibility are instilled in the minds of the students through a number of extension activities.
- Eco – friendly and harmonious working environment.

### **Institutional Weakness**

- Affiliated to Anna university, Chennai and hence limitation in enhancing the curriculum.
- Majority of the students are from rural areas, so improving overall personality development of the students needs to improve.
- Funded projects and consultancy activities need more concentration.
- Library to be expanded to cater to growing research needs.
- Faculty members with industrial exposure / experience are less in number.

### **Institutional Opportunity**

- To introduce new programmes with industry oriented syllabus to meet the ever emerging technology.
- Introduce Innovative add-on programs to meet the requirement of the students.
- Possibility of increasing in-plant training, internships and industry projects for the students.

- Leverage on strong alumni to enhance the placements collaborative research.

### **Institutional Challenge**

- To produce 100% success rate.
- Difficulties in obtaining funded projects.
- Matching industrial requirements while maintaining requirements and norms of affiliating university.
- Declining appeal for engineering education.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- Sree Sakthi Engineering College is affiliated to Anna University, Chennai and the curriculum is strictly adhered to the curriculum prescribed by the university.
- Academic calendar has been prepared after the academic schedule was released by Anna University and before the start of the academic year which includes curricular, co- curricular and extracurricular activities.
- Subject allocation has been done according to the experience, willingness and competency of the teaching staff. Time tables are prepared by Time-Table committee headed by a faculty and members from each department.
- Course study material has been prepared by subject allotted faculty members and the study materials are uploaded in the student's portal for their references.
- Apart from traditional class lecturer use of multimedia projector, NPTEL video lectures, mini projects etc., were used in the delivery of the academic courses.
- The performances of the students are monitored through internal examinations and assignments by result analysis meeting at the end of every internal examination.
- To bridge the gap between academic and industry institution organized guest lectures by resource / industry personnel, industrial visits and value added courses during last five years.
- Gender Sensitization is a fundamental requirement for the standard development of an individual. Institution supports women faculty and also students to become member in clubs such as Women empowerment cell, literary club and Awareness programs also arranged for prevention of women from sexual harassment.
- A course on Environmental Science and Engineering and a course on Professional Ethics in Engineering is being offered to all the under graduate students with a credit of 3 to inculcate the importance of ethics in the minds of students.
- Placement training classes, which include soft skill and aptitude training, were conducted in regular time table.
- The quality of the institution is monitored by the feedback collected from stake holders for the institutional development.
- The course delivery by the faculty members are periodically monitored by getting feedback from the

students.

### **Teaching-learning and Evaluation**

- The admission to UG programmes in our college is by Single Window Admission System through Directorate of Technical Education and for PG courses through Tamil Nadu Common Entrance Test by Anna University and Consortium.
- Several initiatives have been taken to address the needy students such as bridge courses, remedial classes and computer programming courses during first semester. Our Institution encourages teachers to use innovative pedagogies of teaching and learning with the effect of ICT tools for teaching. Effective mentoring system has been followed with the faculty and student ratio of 1:11 .At the present time, college has highly qualified and dedicated faculty members with Doctorate and pursuing Doctoral degree. The average ratio of faculty retention is 3.05 years during the last five years. Our college follows 'Outcome Based Education' to develop the requisite knowledge, skills of the students. Various supplemental , instructional methods have been utilized such as smart classes, Illustrative charts, models, PPT, etc., along with regular teaching cum learning practice to develop the critical and analytical ability of the students.
- In Every semester industrial visits, Guest lectures and value added courses are arranged to get practical exposure and enhance their knowledge. Program outcomes, Program specific outcomes and course outcomes for all programmes are communicated to all stakeholders through Website, Notice Boards, Question bank, Brochure and Lab Manual etc. The attainments of Course Outcomes are measured by direct and indirect assessment tools. The preparation of question bank, lab manual and internal assessment question paper generations as followed under blooms taxonomy.
- The students are assessed by continuous assessment through internal assessment examinations with the weight age of 20% and the end semester examinations with 80% weight age. Overall assessment of learning is followed by internal assessment examinations for theory courses and model examination for practical courses. Problem solving exercise - cognitive learning Project and model development - applied learning Students are provided with feedback for the above mentioned assessment of learning in the view of improving their performance.

### **Research, Innovations and Extension**

- Sree Sakthi Engineering College has a well established and active research and development centre with members drawn from different departments. Our institution has good infrastructure with research laboratories and computational facilities to carry out research and development activities.
- Our Institution Received 17.99 lakhs as Grant from non-governmental organization, 2 projects were completed and 2 projects are going on. We have 5 research supervisors recognized by Anna University.
- We have filed 9 patents arising out of the research carried out in various departments. Our faculty members have published 186 research papers under UGC/ Web of Science indexed journals for the past 5 years. Also 37 papers published in national/international conferences. The institution has an Entrepreneur Development Cell for helping students to float startup ventures and technology transfer. We have conducted 44 workshops related to Research methodology, IPR and entrepreneurship during the last five years.
- Our NSS, Rotaract Club, YRC and Trekking Club Volunteers involved in many social activities like Tree plantation, Swach Bharath, Blood Donation, Creating awareness to save rain water, Road safety awareness conducting Blood Donation in Our Campus. Also students visit orphanage regularly. In the

past five years, 5314 students were involved in 109 extension activities. Our management with sree sakthi trust supports the poor students with SSEC merit scholarship for their education. Our institute felicitates best teachers by awarding “Sree sakthi Excellency Award” and “Dronacharya award”.

- SSEC organized various programs in association with Tamil Nadu Science forum for the school students from Tamil Nadu, like Science and Math fest to bring the students scientific knowledge to the fore. Due to the student’s participation in social activities, our Institute got 14 awards for extension activity from government/ government recognized bodies for the last five years.
- We have much collaboration with industry for research, internship, seminars and guest lecture. Totally 253 collaborative activities have been done in last five years. We have signed 29 MOUs with industries and corporate houses for the benefit of students.

### **Infrastructure and Learning Resources**

- Sree Sakthi Engineering College has a genuine policy for maintaining good infrastructural facilities.
- The institution has infrastructure facilities like 16 class rooms enabled with ICT facilities, One Video lecture hall for NPTEL class, one smart board room, one seminar hall and 27 well equipped laboratories.
- The college has about 2.25 lakhs sq.ft as built up area spread over 10 acres of land. These buildings accommodate class rooms with ICT enabled facilities, an auditorium, one conference hall, administrative and staff rooms, placement and examination cell.
- The college enhances the overall personality of students by the way of providing indoor games facilities for shuttle badminton, table tennis, carom etc and outdoor games facility for kabaddi, cricket, net practice for cricket, football, volleyball, Throw ball, ball badminton, Hockey, Handball, Basketball etc. The institute has won 8 Gold, 11 silver and 10 Bronze medals in sports.
- SSEC library is enriched with more than 16,275 books, 1170 online journals, 84 printed journals, e-books, Magazines and News papers. The library advisory committee analyzes the purchase requirement and recommends to the management for necessary approval. The library orientation programme was organized.
- The co-operative store supplies textbooks, notebooks, record note, observation note and other essential stationeries to students. Each floor is facilitated with purified drinking water. The administrative block is provided with lift. Campuses are under the surveillance of CCTV cameras. The uninterrupted power supply is provided in the campus. Transport facility is provided with the help of 9 buses.
- The institute facilitates modern modes of teaching with technological aids such as ceiling mounted LCD projectors, roll-down screens, green boards etc. The college has 330 computers and all of them connected to internet with 50 Mbps speed. The campus is Wi-Fi enabled campus. The college has biometric attendance system. The institution has an automation software for easy access. The institute has an established system for maintenance and utilization of computers, classrooms, equipment and laboratories in the campus.
- The institute have separate hostel for boys and girls within the campus.

### **Student Support and Progression**

- Sree Sakthi Engineering College provides number of Student support activities for academic excellence and overall development of the students.
- The Institution undertakes the responsibility to benefit the students from the Government sponsored scholarship schemes. An amount of Rs.144,395,745 have been sanctioned through Government

scholarship schemes for 4173 students in the last five years to support the education of poor students. The management constituted meritorious scholarshipsto to the students based on the cut off marks, 2892 students benefitted by merit scholarship with an amount of Rs.77,621,351 provided by the institution in last five year.

- The Institution provides Capacity building and Skills enhancement initiatives such as Soft skills, Language and communication skills, Life skills, ICT Skills, Computing skills to the students to enrich their knowledge.
- The college has well established placement cells to provide best placement for the students. Out of 1522 final year students 1236 of our students have placed in various companies during the last five years.
- The institution has a transparent mechanism for redressal of student grievances and conducts meetings for the prevention of sexual harassment and anti ragging cases.
- The students are taken care of by providing various facilities in the form of indoor and outdoor games, encouragement for participation in co-curricular and extracurricular activities to improve their physical and mental abilities. In total, 80 teams have won the medals in the last five years in sports and cultural activities conducted at university level.
- The Institution has membership of Professional Societies, namely, Indian Society for Technical Education (ISTE), Computer Society of India (CSI) which empower the students to develop their technical skills.
- The Institution has various administrative bodies such as Entrepreneur Development Cell, Library Advisory Committee, Students Welfare and Grievance Redressal Committee, NSS Committee, Youth Red Cross Committee, Rotary Club, Antisexual Harrassment Committee, etc. Students eagerly participate in all the activities which give them an opportunity to have a sense of social responsibility.
- Alumni Meet was conducted once in a year to utilize the rich experiences of old students of the college for the benefit and progress of the present students.

### Governance, Leadership and Management

- SSEC aims to provide holistic education to prove our motto that is **“Become an Engineer not a Graduate”** and mould our students’ to become the responsible citizens of our nation. Our institution is focused outcome Engineers who are sensitive to the needs of the society and have moral strength and uprightiness. Facing the challenges of life and having deep desire to excel in their life are the main goals of our institution to equip our students.
- Vision and Mission of our College are pursued by efficient governance and guidance through inspired leadership of our Management. Principal, Faculty members, Office staff and IQAC are Work in harmony to ensure the smooth functioning of the college. Representations from Alumni, parents, eminent citizens and industrialists are considered and implemented to improve the quality of education and academic activities of our college.
- In the last five academic years, Achievements of the Institution by both faculties and students after the Implementation of the Strategic Plans are Publications, conferences/workshops/Guest lecture attended by Faculties and Students and Conferences / Workshops/Guest lecture Organized in our Institution.
- Various Committees involving staff members are constituted by the Principal to develop the discipline and culture of Excellence among the students’ community. Staff Development, Professional Development, Induction and Orientation Programmes, Performance Appraisal and Feedback, Refresher Courses are our Faculty Empowerment Strategies.
- Staff Welfare Funds as medical expenses and gifts for marriages provided during the last five academic years are Rs 2,89,782/=. Number of faculties provided with financial support to attend conferences /



workshops and towards membership fee of professional bodies year-wise during the last five years are 265.

- Principal and Governing Council member play vital role in the governance of the college. Academic council and IQAC closely monitors academic affairs of the college and helps in effective planning and implementation of institutional policies IQAC is involved in planning, auditing performance, vetting strategic issues and in maintaining quality parameters.

### **Institutional Values and Best Practices**

- Sree Sakthi Engineering College is responsive to the emerging challenges and issues such as gender equity, environmental sustainability and professional ethics etc.

### **Institutional Values**

- A gender friendly environment of our campus builds very good relations between boys and girls and respect for each other. The academic ambience of the college addressed 10 gender equity promotion programs in last three years and ensures gender sensitivity in providing facilities such as safety and security on the campus, student's counseling and Redressal actions. A specific gender sensitization action plan is initiated three years back and close monitoring is being done to accomplish the plan and we achieved it also.
- The college is also conscious of imbibing Social Responsibilities like climate change and environmental issues through our Institutional core values. Our green practices include alternate and renewable energy sources like Solar Water Heater and use of LED light sources in addition to waste management measures such as minimal usage of plastic, solid/liquid waste management, e-waste management, Rain Water Harvesting etc.
- The institution also facilitates the differently abled, by providing special infrastructure such as ramp for wheel chairs, Lift, designated rest rooms etc.
- Our campus is highly benefited by locational advantage of being in Industrial city getting resources for industrial visits and other academic events. It also offers benefit to local community by conducting social services through NSS and YRC units.
- Our college offers true spirit of education with no discrimination against caste, creed and religion by consistently celebrating all religious festivals with equal importance.

### **Institutional Best Practices**

- The Institutional automation system has been designated with the objective of storing and providing all the necessary information based on the requirements of the management, principal, HoDs, class Advisors, Tutors, Students and Parents. Thus all the academic and administrative process has become fast and accurate due to Institutional Automation system.
- The result oriented skill development practices and need based placement support measures that are developed internally resulted in increase in the placements in terms of quality and number.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SREE SAKTHI ENGINEERING COLLEGE
Address	BETTATHAPURM, KARAMADAI,
City	COIMBATORE
State	Tamil Nadu
Pin	641104
Website	<a href="http://www.sreesakthi.edu.in">www.sreesakthi.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	V. VELMURUGAN	04254-275477	9244502277	04254-272495	info@sreesakthi.edu.in
Associate Professor	C.R. SINDUJA	04254-275377	9443902958	04254-273477	hodsh@sreesakthi.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	23-07-2010

**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Tamil Nadu	Anna University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC		
12B of UGC		

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	30-04-2019	24	Extension of approval for Academic Year

**Details of autonomy**

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes <a href="#">autonomydoc_1581489424.pdf</a>
If yes, has the College applied for availing the autonomous status?	No

**Recognitions**

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	BETTATHAPURM, KARAMADAI,	Rural	12.28	23400

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering	48	HSC	English	60	12
UG	BE,Mechanical Engineering	48	HSC	English	180	30
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	6
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	21
UG	BE,Computer Science And Engineering	48	HSC	English	60	47
PG	ME,Electronics And Communication Engineering	24	B.E. B.Tech	English	18	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.E. M.Tech	English	24	0

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				9				78			
Recruited	4	1	0	5	5	4	0	9	40	38	0	78
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				14
Recruited	13	1	0	14
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				6
Recruited	3	3	0	6
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	1	0	5	4	0	0	0	0	14
M.Phil.	0	0	0	0	0	0	4	11	0	15
PG	0	0	0	0	0	0	36	27	0	63

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	88	0	0	0	88
	Female	28	0	0	0	28
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0



<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Programme</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	34	88	109	58
	Female	12	26	38	20
	Others	0	0	0	0
ST	Male	3	1	5	2
	Female	1	0	0	1
	Others	0	0	0	0
OBC	Male	65	128	164	125
	Female	12	21	42	47
	Others	0	0	0	0
General	Male	7	7	5	16
	Female	1	0	0	3
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
<b>Total</b>		<b>135</b>	<b>271</b>	<b>363</b>	<b>272</b>

### 3. Extended Profile

#### 3.1 Program

Number of courses offered by the Institution across all programs during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
339	337	340	340	340
File Description			Document	
Institutional data prescribed format			<a href="#">View Document</a>	

Number of programs offered year-wise for last five years?

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

#### 3.2 Students

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
854	1074	1172	1133	1200
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
302	344	344	344	344
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

Number of outgoing / final year students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
258	272	327	351	314
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.3 Teachers

#### Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
98	136	130	133	107
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
98	136	130	133	107
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 34**

#### Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
456	533	611	560	690

#### Number of Computers

**Response: 330**

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

###### Response:

Sree Sakthi Engineering College (SSEC) is affiliated to Anna University, Chennai and the curriculum is strictly adhered to the curriculum prescribed by the affiliating university.

Academic calendar has been prepared after the academic schedule was released by Anna University. The academic details such as schedule for the number of working days, internal assessment test and also association activities such as guest lecture, value added courses, industrial visits, etc., are included in the academic calendar for semester wise.

Subject allocation has been done according to the experience, willingness and competency of the teaching staff after careful consideration based on their faculty efficacy beside their preference.

Time tables are prepared by Time-Table committee, headed by a faculty with members from all the departments, for every semester including theory, tutorial, practical and placement training classes based on the credits as per the curriculum.

Comprehensive lesson plan has been prepared for all subjects including the course outcome by the subject allotted faculty. Course study material has been prepared by subject allotted faculty members. This includes notes of lesson, power point material, question bank for theory courses and laboratory manual for practical courses. It focuses on the outcome based education and Bloom's Taxonomy. These study materials are uploaded in the student's portal for their references.

Regular conduct of classes is closely monitored by HoDs and Principal. The quality of course delivery by the faculty members are periodically monitored by getting feedback from the students through class committee meeting and one to one meeting by Head of the Department with the students. Unit wise syllabus coverage and deviations from the lesson plan will be periodically reviewed by the Head of the Department and are addressed suitably. A similar procedure is followed for practical classes also.

Special coaching classes are conducted after the regular class hours for slow learners. Placement training classes, which includes soft skill and aptitude training, were conducted in regular time table.

Apart from traditional class lecturer use of multimedia projector, NPTEL video lectures, mini projects etc., were used in the delivery of the academic courses.

To bridge the gap between academic and industry, institution organized 48 guest lectures by resource personnel / industry personnel, 125 industrial visits, 43 workshops and 42 add on / certificate programme were conducted during last five years.

Effectiveness of the course delivery is ascertained through the performances of the students in internal examinations by result analysis meeting at the end of every internal examination.

These procedures are followed periodically during every semester to ensure an effective curriculum delivery

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

#### Response:

A committee consisting of Principal and Examination cell incharge prepares the academic calendar in lieu with academic schedule prescribed by the affiliating university and announced well in advance before the commencement of the semester. The academic calendar shows the start and end of each semester stating various activities to be conducted, the internal evaluation schedule and the tentative schedule of external evaluation.

The performances of the students are evaluated by internal examinations for 20 marks and University Examination for 80 marks. The internal evaluation is assessed on a continuous basis by conducting three internal exams per semester as per the affiliating University norms. In addition the institute gives weightage for assignment, attendance and other criteria after getting permission from the Principal.

A separate Exam Cell takes care of conducting internal examination and Anna university examinations. The exam cell will intimate through circular about the Internal Exam schedule in consent with the Principal and academic calendar. The question paper is prepared in the exam cell through automatic question paper generation from the set of questions provided by the faculty to maintain secrecy. The central evaluation system and revaluation process were followed to ensure the transparency.

The student can apply for photocopy of his / her Internal Assessment Examination answer paper in a theory course, on the declared date from the exam cell, through the Head of departments. The answer script are valued and justified by the concerned faculty member, who handled the subject and recommend for revaluation with breakup of marks for each question. Based on the recommendation, the exam cell will intimate to the concerned students through the Head of the departments.

The institute has built in mechanisms to ensure syllabus completion and conduct of CIE within the time frame and accordingly various measures were taken. Remedial sessions are conducted on weekdays and on Sundays also. The principal balances the trade-off between strict adherence to the Academic calendar and conduct of CIE.

Anna University end semester examinations were conducted by the University, by appointing Principal as the Chief Superintendent under the supervision of a affiliating university representative, usually a senior

faculty from other affiliated colleges appointed by the affiliating university, in the stipulated time as per the schedule published by them in their academic schedule.

To maintain the transparency university is allowing the students to get xerox copy of their answer sheet, revaluation and challenging the valuation. The final results were declared by the university by considering the performances in internal examinations and end semester examination.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

**1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years**

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

E. None of the above

D. Any 1 of the above

C. Any 2 of the above

B. Any 3 of the above

**Response:** B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**Response:** 100

**1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.**

Response: 2

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**1.2.2 Number of Add on /Certificate programs offered during the last five years**

Response: 42

**1.2.2.1 How many Add on /Certificate programs are added within the last 5 years.**

2018-19	2017-18	2016-17	2015-16	2014-15
14	9	8	7	4

File Description	Document
List of Add on /Certificate programs	<a href="#">View Document</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View Document</a>

**1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years**

Response: 26.86

**1.2.3.1 Number of students enrolled in value added courses (beyond the curriculum) offered year-wise during last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
409	275	264	272	171

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

#### Response:

SSEC has taken many initiatives to provide platform to integrate cross- cutting issues relevant to Gender sensitization, Environment and Sustainability and Professional Ethics into the Curriculum.

#### Gender Sensitization

SSEC is a co-educational institute and measures are taken towards gender sensitization in terms of equality for both the genders in all aspects.

Gender Sensitization is a fundamental requirement for the standard development of an individual and in turn the society. Hence respect for each gender should be cultivated. In terms of enrolment, admissions, employment, training programmes, sports activities etc have given equal opportunities to both genders and also gender issue do not arise.

In every co-curricular and extra- curricular activity, both boys and girls teams are formed and given equal opportunity.

Institution supports women faculty and also students to become member in clubs such as Women cell, literary club and appreciates to participate in events focusing on women Empowerment and promoting qualities in women administration.

Women's day is celebrated with lectures and bustles. Awareness programmes also arranged for prevention of women's sexual harassment.

A specific gender sensitization action plan is active and is closely monitored on numeric scale by the top management.

#### Environment and Sustainability

The goal of environmental sustainability is to conserve natural resources and to develop alternate sources of power thereby reducing pollution and destruction to the environment. Restricted entry of vehicle into the campus, use of sewage treatment plant to treat the waste water for reuse to the plants, solar water heater to supply the hot water for hostel inmates, rain water harvesting, ensuring plastic free campus are some of the initiatives in practice to ensure green environment.



A course on Environmental Science and Engineering is being offered to all the under graduate students with a credit of 3 to understand issues and solutions among the students.

Awareness programmes are introduced by NSS, YRC, Trekking Club which has done extensive activities for environmental protection and ecological preservation. Topics related to these issues are taken up for quiz and debates during the National Science Day, Republic Day celebrations and the Independence Day function.

### Human Values and Professional Ethics

The young minds of the students are tuned to maintain high standards by the professional code of conduct maintained within the campus. Ethical practices such as not indulging any malpractice, maintaining Ragging free environment are ensured.

A course on Professional Ethics in Engineering is being offered to all the under graduate students with a credit of 3 to inculcate the importance of ethics in the minds of students.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 2.95

#### 1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
10	10	10	10	10

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

**Response:** 58.31

#### 1.3.3.1 Number of students undertaking project work/field work / internships

Response: 498

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni**

**E. None of the above**

**D. Any 1 of the above**

**C. Any 2 of the above**

**B. Any 3 of the above**

**Response:** A. All of the above

File Description	Document
Any additional information (Upload)	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

#### 1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

E. Feedback not collected

D. Feedback collected

C. Feedback collected and analysed

B. Feedback collected, analysed and action has been taken

**Response:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 54.92

##### 2.1.1.1 Number of students admitted year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
135	271	363	272	308

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
438	498	498	498	498

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.2 Average percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years ( exclusive of supernumerary seats)

**Response:** 74.91

##### 2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
125	262	353	252	279

File Description	Document
Average percentage of seats filled against seats reserved	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.2 Catering to Student Diversity

### 2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

#### Response:

During the start of the academic classes for first year and lateral entry students bridge courses are conducted to brush up the concepts in Mathematics, Physics and Chemistry. Computer awareness classes are conducted to the Biology and vocational group students, which helps to cope up with other students.

Start from first semester onwards communication skill classes are conducted by placement cell to improve the communication skill among the students.

At the initial stage coaching class are given to all students, further based on the performance in internal assessment and university examinations, students are categorized as advance and slow learners.

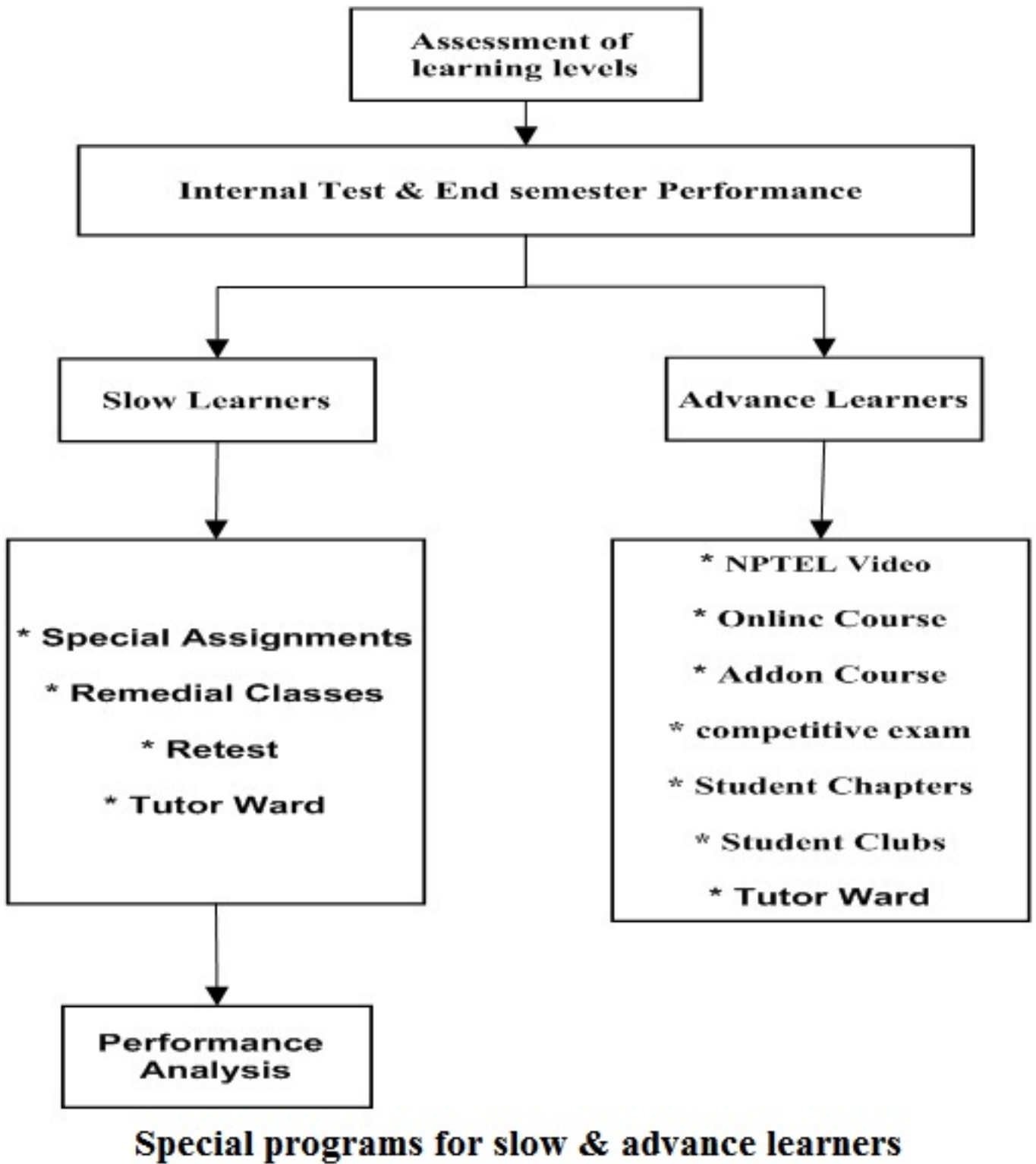
Remedial classes, retests, assignments are provided to the students to improve their academic performance of the slow learners. After regular working hours special coaching classes are conducted for slow learners. Average and Slow Learners are motivated to perform good in academics and get through without any back logs;

The average learners are motivated to score higher grades, the advanced learners are motivated to think beyond curriculum.

To enrich the knowledge of advanced learners add-on courses are conducted. Advanced learners are encouraged to take up online courses and encouraged to participate Student club activities and to participate in various competitive events.

Workshops on real-time concepts are conducted as per their interest and need. In addition Seminar by resource persons and special guest lectures are arranged periodically to fulfill learning needs & enhance student's knowledge.

A tutor ward system is followed, where each faculty is attached with 15 students, the tutor faculty will maintain the record of the student's performance in examinations and monitor them continuously.



<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Past link for additional Information	<a href="#">View Document</a>

**2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)****Response:** 8.71

File Description	Document
Any additional information	<a href="#">View Document</a>

**2.3 Teaching- Learning Process****2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

We SSEC adopt various suitable learning methodologies to make teaching learning process more effective.

All laboratories in various departments are well equipped and periodically updated to enable the students to gain proper practical knowledge on the theory they learn, in-line with Anna University curriculum. Students are encouraged to make models,

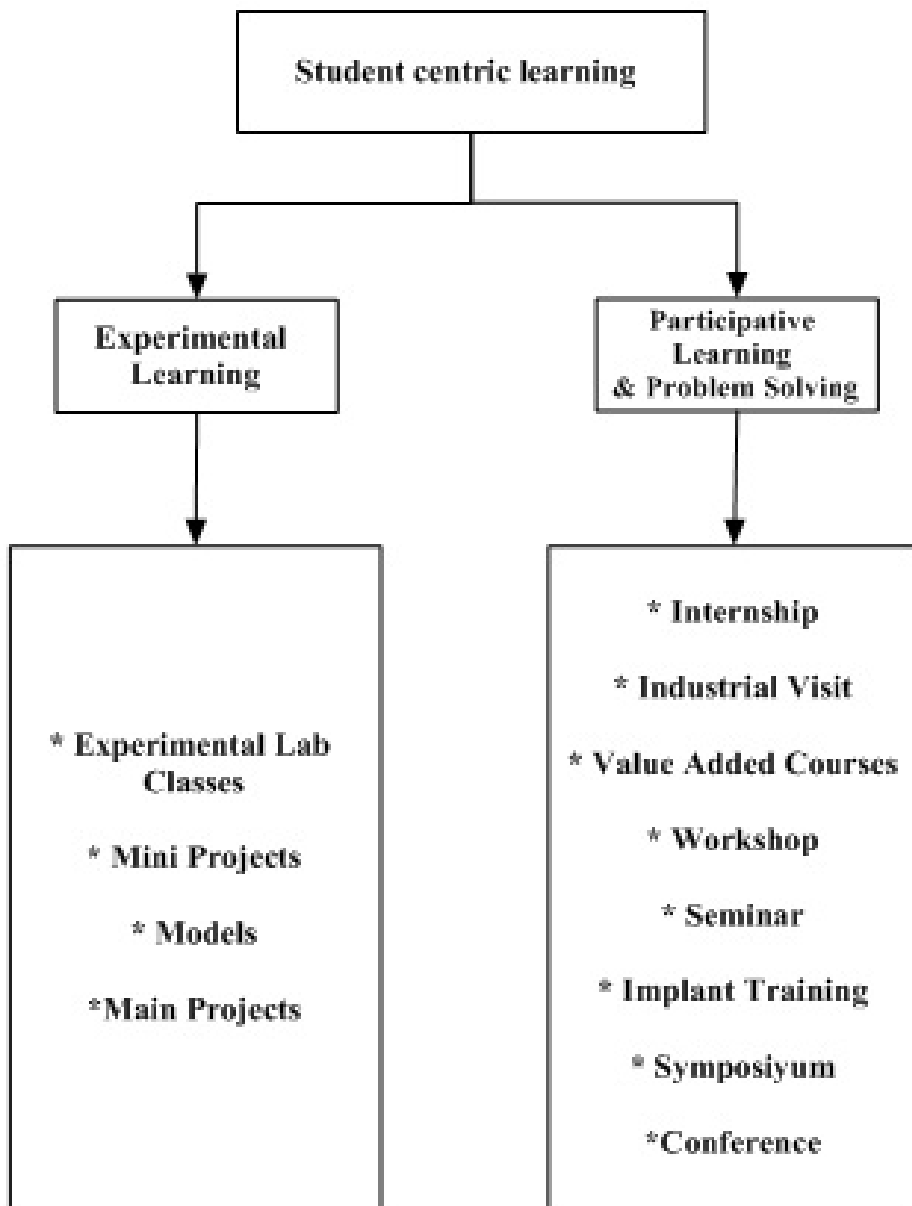
Students in pre-final year made to carry out mini-projects to have more experiential learning. To bridge the gap between industry and institution, value added courses are organized by the institution apart from the syllabus. Periodic Industrial Visits and tours are arranged for the enrichment of Student's practical knowledge. The students access for online NPTEL classes, so that they can gain knowledge in addition to their regular curriculum.

Students are encouraged to participate in Technical Seminars, Workshops, Symposiums and Conferences Recognizes and appreciate top academic performers in each class in the University exams. Projects carried out by the students are scrutinized at department level and shortlisted and nominated for best project awards.

In addition to this students involve themselves in making working models and exhibits to be showcased during inter-collegiate symposia.

Tutorial classes are arranged periodically as a part of the course delivery to inculcate problem solving skills among the students to supplement regular teaching learning process. all the computer laboratories are well equipped with internet facility which enables students to self-learn and widen their learning skills through net browsing and online demo classes.

The students made to register for online NPTEL Certificate courses so that they can gain knowledge in addition to their regular curriculum.



**Student Centric Learning**

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.**

**Response:**

At SSEC, Innovative teaching methodologies are adopted by teaching community in the institute by using LCD projectors, internet facilities and Wi-Fi. We have 16 ICT enabled class room with overhead multimedia projector and internet connection through repeater in our campus.



All the departments have separate computer labs and all the computers are connected to internet facility through LAN connection for effective learning of the students.

The institution is equipped with library having 16157 volumes of books in all disciplines of Engineering and Technology. Ten computers with internet facility is provided in the library for the student access. The faculty members and students were given access to the e-books and various online journals of different disciplines for effective update of their knowledge through “DELNET”, an online resource of database for e-books and e-journals.

Separate Communication lab with computers, head phone and communication tutor software is available in the campus for conducting communication training to improve the listening, speaking and reading skills among the students.

NPTEL videos, technical magazines and online journals are available to the student society to make understand and enlarge their creative ideas towards the current and technical affairs.

Both boys and girls hostel are WI-FI hostels and students are using it for their learning through information and communication technology.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View Document</a>

### 2.3.3 Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

**Response:** 10.54

#### 2.3.3.1 Number of mentors

Response: 81

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)****Response:** 6.58**2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
10	10	7	7	5

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****Response:** 3.05**2.4.3.1 Total experience of full-time teachers**

Response: 298.62

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

#### Response:

The continuous internal assessment system followed in the institution. The performance of students in the theory subjects is assessed periodically as follows for internal assessment. Students are informed about the parameters of internal assessment system well in advance.

Assessment Period	Portions of the subjects	Evaluation Method	Maximum
Internal Assessment Test– I	Unit I & II	<ul style="list-style-type: none"> <li>◦ Internal Examination</li> <li>◦ Assignment</li> <li>◦ Attendance</li> </ul>	100
Internal Assessment Test– II	Unit II & III		100
Internal Assessment Test– III	Unit IV & V		100

The total marks obtained in all assessment examinations are put together out of 300 and is proportionately converted to 20 marks, rounded to the nearest integer and entered in Controller of Exams website of affiliating university for result processing.

Assignments / Seminar Topics are given to the students to perform. The seminar presentations by the students improves communication, presentation and technical skills of the students.

Automatic question paper generation from the question bank prepared by the faculty, central valuation and revaluation ensures the internal assesment is transparent and robust.

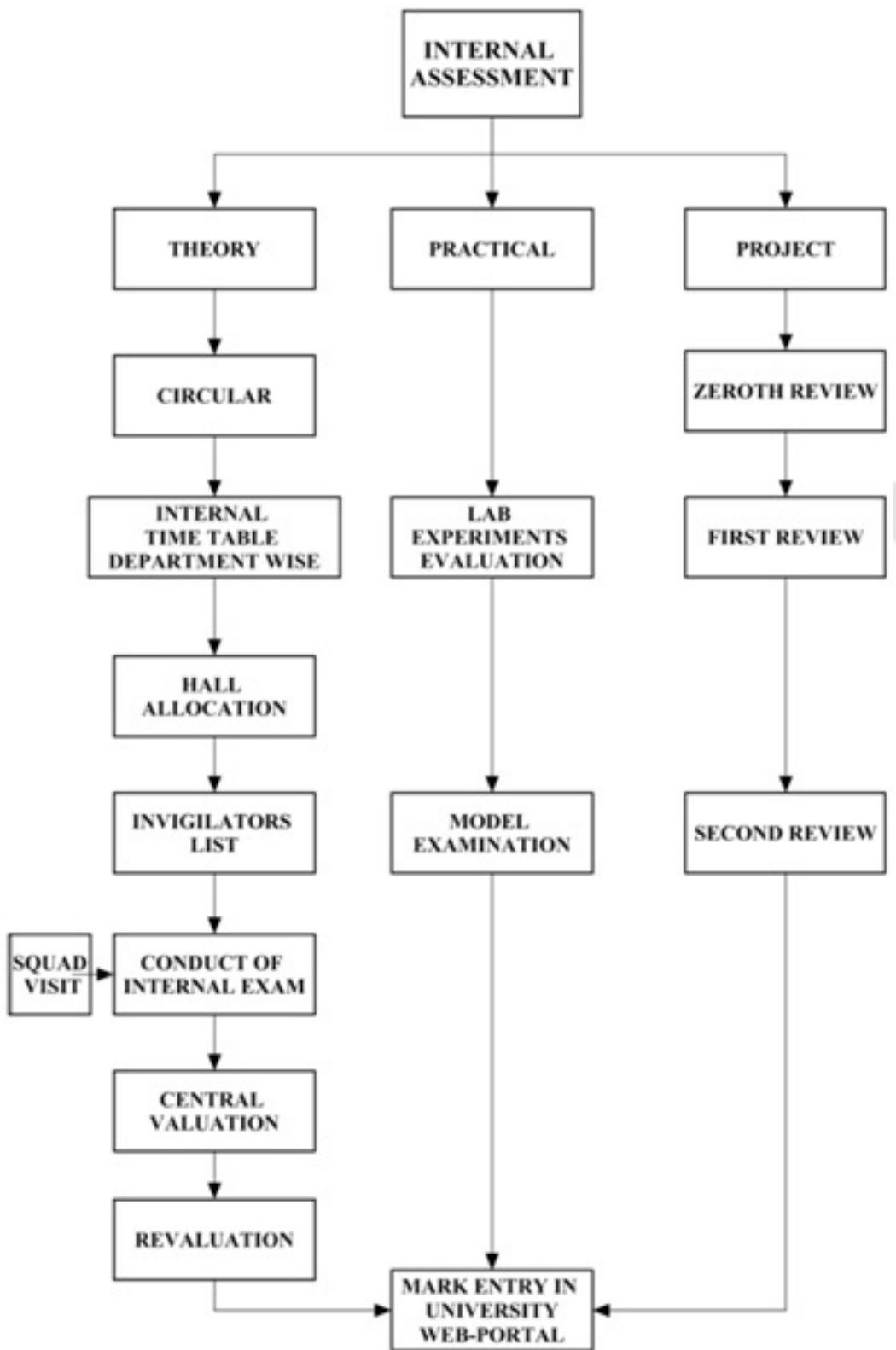
The performance of students in the practical subjects is assessed as follows

Type of Evaluation	Maximum Marks
Observation, Procedure, Design, Calculation and Presentation of	10
Results & Graphs Record of work	
Model Practical	10

**Total Internal Assessment Marks****20**

For Project Work, the performance of students is assessed periodically as follows:

<b>Type of Evaluation</b>	<b>Parameters for Evaluation</b>	<b>Maximum Marks</b>
Project 0th Review	Literature Review	10
Project Review – I	Problem Definition	
Project Review – II	Extent of Simulation / Experimental work carried out	
Project Review – III	Presentation of Results & Conclusions	
Project Review – IV	Project Outcomes	
<b>Total Internal Assessment Marks</b>		<b>10</b>
<b>Total Internal Assessment Marks</b>		<b>20</b>



**Mechanism of internal assessment**

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### **2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient**

#### **Response:**

As per the academic calendar provided by the institution internal assessment examination are conducted. The Examination cell prepares and circulate time table to all the departments. Each department showcase the time table much prior to the commencement of the examinations to the students.

Students are informed about the parameters of internal assessment system well in advance.

Institution continuously reviews the evaluation process and makes necessary changes as and when applicable. Every grievance at Institution level is clarified instantly. The College has a grievances redressal committee comprising of a co-ordinator with heads of the department as members.

All departments HoD's frequently visit students during assessment examinations. Answer scripts evaluation is done by the faculty members in central valuation and HOD ensure fairness and transparency of the correction. The corrected answer scripts are distributed to students within three days of examination completion.

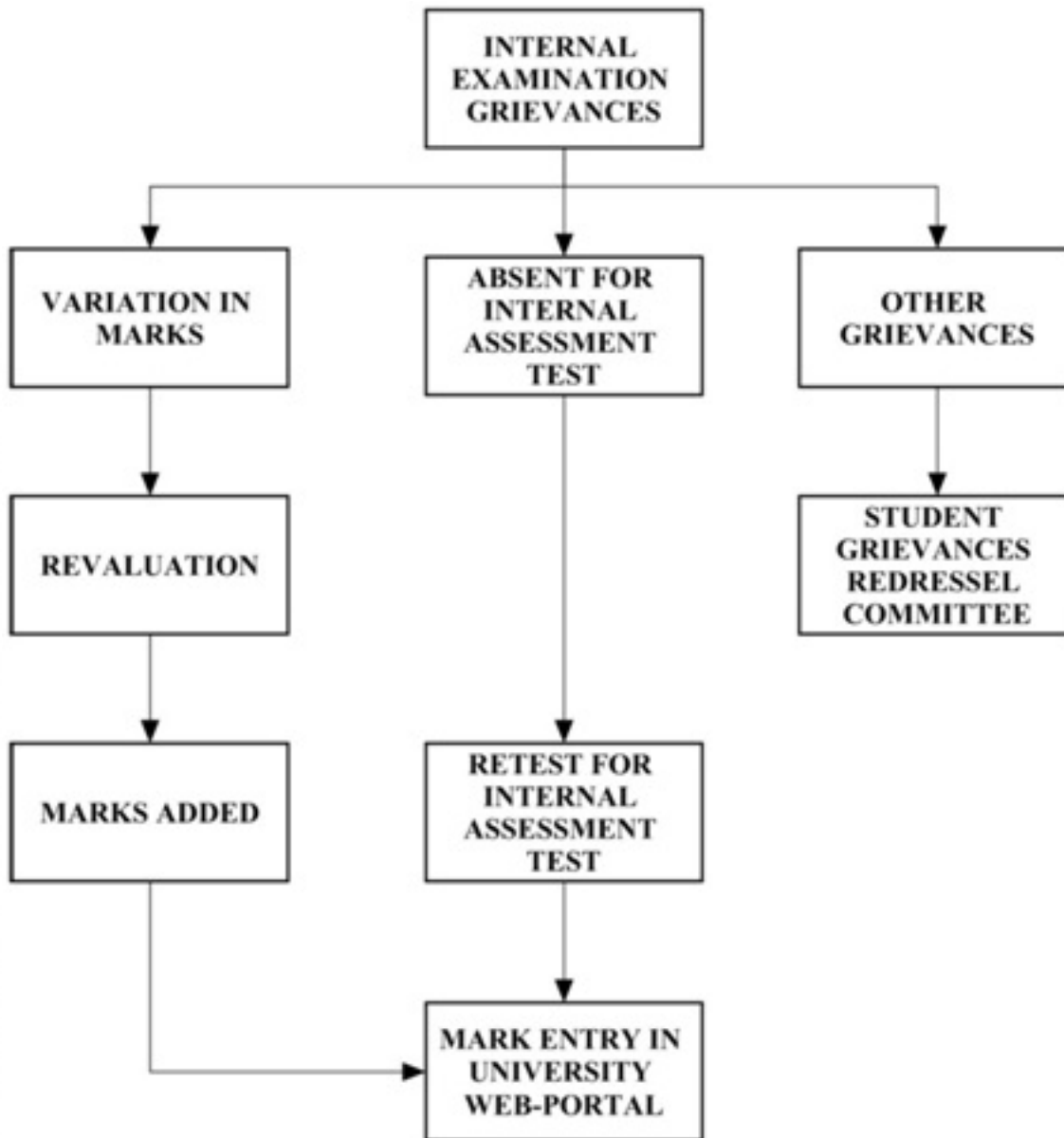
If student fails to attend the internal assessment, student can write retest conducted by respective departments.

If students have any problem or issues, in marks awarded, students can communicate to the Controller of Exams and can apply for revaluation through subject handled faculty and head of the department.

The assessment marks are entered in Rovon ERP portal to store it.

The marks obtained by the students are communicated to their parents for transparency.

Apart from this the students can raise their exam related issues in the complaint management system which is resolved in time.



### **Mechanism to deal with internal examination grievances**

Assessment marks are entered into the controller of Exam portal of the affiliating university after the exams and the entries are cross verified by the other department faculties for corrections.

The end semester examinations are conducted and controlled by the University and if students have any problem, the Principal communicates to the Controller of Exams of the affiliating University about the grievances of the students.

The grievances of the students in external examination at the university level are addressed through exam cell by obtaining photocopies of the evaluated answer scripts, re-evaluation and challenge evaluation by paying a prescribed university fee.

University Question paper feedback is conveyed online to the University, for the out of syllabus questions and discrepancies by the concerned faculty members through exam cell.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

### Response:

Sree Sakthi Engineering College offers 5 Under Graduate Programmes, 1 Post Graduate Programmes. Programmes offered are list below:

#### UG PROGRAMMES

- B.E. - Computer Science and Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Mechanical Engineering
- B.E. - Civil Engineering
- B.E. - Electrical and Electronics Engineering

#### PG PROGRAMMES

- M.E. – VLSI Design

#### DISSEMINATION

The Vision and Mission statements of the Departments, Programme Educational Objectives, Programme Outcomes, and Programme Specific Outcomes are published in:

- College website
- Department link of College website
- Display boards
- Department magazines
- HOD room
- Department notice boards
- Class rooms
- Faculty rooms
- Laboratories

The Course Outcomes of all the Courses in all the Programmes are published in:

- Course Log Books
- Lesson Plans
- Laboratory Manuals



- Question Banks

### Dissemination of PO, PSO & CO of the Department

S.NO	Dissemination			
	To	By	Content	Mode
1.	Students	Head of the Department	<ul style="list-style-type: none"> <li>• Course outcomes</li> <li>• Programme Outcomes</li> <li>• Programme Specific Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>• Open</li> <li>• Depart</li> <li>• Lab M</li> <li>• Quest</li> </ul>
2 .	Parent	Head of the Department	<ul style="list-style-type: none"> <li>• Course outcomes</li> <li>• Programme Outcomes</li> <li>• Programme Specific Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>• Orien</li> <li>• Depart</li> <li>• Resul</li> <li>• Depart</li> </ul>
3.	Faculty members of the Department & Service Department	Course Coordinator	<ul style="list-style-type: none"> <li>• Course outcomes</li> <li>• Programme Outcomes</li> <li>• Programme Specific Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>• Open</li> <li>• Meeti</li> <li>year</li> <li>• Depart</li> <li>• Acade</li> </ul>
4.	External Stake Holders	HOD Placement Officer	<ul style="list-style-type: none"> <li>• Course outcomes</li> <li>• Programme Outcomes</li> <li>• Programme Specific Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>• Colleg</li> <li>• News</li> <li>• Placer</li> </ul>

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Past link for Additional information	<a href="#">View Document</a>

### 2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

#### Response:

The effectiveness of assessment of the Course Outcomes (COs) can be justified with the help of performance in Continuous Internal Assessment and University Examination. The Internal Assessment includes Unit Tests, Assignments and Attendance. The end semester examination will be conducted by the university.

Internal Assessments are conducted periodically based on the schedule given by the University and the

COs of the respective courses is assessed based on the performance of the students in the Internal assessments. All the assessment components and the course outcome target attainment levels are fixed before the commencement of the course by the course teacher and are reviewed by the Academic Council.

The target attainment levels will be set by considering the previous course outcome attainments in the earlier semester's courses and the nature of the particular course. Target levels vary from course to course. For internal assessments, attainment is measured in terms of actual percentage of students getting the percentage of marks set for the individual course and for University Examinations, attainment is measured in terms of actual percentage of students getting grades better than the target grade fixed for the individual course.

- **Attainment of Program Outcomes and Program Specific Outcomes:**

The assessment tools and processes used for measuring the attainment of each of the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are also well described. The POs and PSOs are evaluated by indirect and direct assessment methods.

The following methods of assessment are identified for assessing.

- **Indirect Assessment**

At the end of the programme, an exit survey is collected from all the students. The survey feedbacks are consolidated and the Programme Outcomes and Programme Specific Outcomes are calculated.

- **Direct Assessment**

At the end of every semester, the Course Outcome attainments for all the courses undergone by a particular batch of students will be calculated as described above and is tabulated to analyze the contribution of those courses for the Programme Outcomes and Programme Specific Outcomes (PSOs) attainment. At the end of the programme, after all the courses are completed, PO and PSO attainment levels for a particular batch are obtained. 20% weightage for Internal Assessment and 80% weightage for end semester performance.

**The PO and PSO Assessment process are done by the following procedure:**

At the end of the academic year, after all the courses for the CAY graduating batch of students are completed, Programme Outcomes and Programme Specific Outcomes attainment levels for that particular batch are calculated using the Courses-PO / PSO mapping. The student exit survey feedbacks are also consolidated and the Programme Outcomes and Programme Specific Outcomes (PSOs) attainment are calculated. It is determined whether the POs and PSOs have reached the target level. If the target is not achieved, then necessary actions to be taken will be decided by the Academic council, to make the next batch of students reach the target level.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

**Response:** 78.05

#### 2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
177	209	303	281	283

#### 2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
275	326	350	317	327

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.68

File Description	Document
Upload database of all currently enrolled students (Data Template)	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 17.99

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
14.00	0	0	3.99	0

File Description	Document
List of endowments / projects with details of grants	<a href="#">View Document</a>
e-copies of the grant award letters for sponsored research projects / endowments	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)**

**Response:** 5.1

**3.1.2.1 Number of teachers recognized as research guides**

**Response:** 5

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years**

**Response:** 16

**3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
2	0	0	2	0

### 3.1.3.2 Number of departments offering academic programmes

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	5	5	5

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste link to funding agency website	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

#### Response:

Sree Sakthi Engineering College has a well established active research and development centre with members drawn from different departments. This centre encourages the students and the faculty members to carry out innovative research aimed at patent registrations and also arrange lectures / seminars on the basis of research methodology, Intellectual Property Rights.

The Institution has well-equipped laboratories to cater the needs of students and nurture them towards research and developmental activities. According to the needs of society, students are encouraged to presume passionately in the application of technology. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Workshops, seminars, guest lectures and symposiums were organized. We have registered 9 patents arising out of the research carried out in various departments. In the last 5 years a total financial grant of 17.99 Lakhs has been sanctioned for 4 projects. Our faculty members have published 187 research papers under reputed journals for the last 5 years.

Department of Electronics and Communication Engineering is a recognized research center under Anna University in the field of Information and Communication Engineering.

The institution has an Entrepreneurship Development Cell for helping students to float startup ventures and

technology transfer. Also students were provided opportunities directly to interact with outstanding entrepreneurs excelling in their field. Entrepreneurship Development Cell regularly arranges guest lecture/workshops for the students to develop entrepreneurship skills. Due to these activities 8 students turned as entrepreneur in the last five years. Students are encouraged to attend the entrepreneurship development program conducted by Anna University and other institutions.

The institute organizes various events like Industry – institute meets, industrial visits, inplant training, internship etc., to reduce gap between industry and academics by collaborating with industry.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

**Response:** 44

#### 3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	14	8	4	11

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

**Response:** 0

##### 3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

##### 3.3.1.2 Number of teachers recognized as guides during the last five years

**Response:** 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI website	<a href="#">View Document</a>

### 3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

**Response:** 1.53

#### 3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
25	49	26	39	46

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

**Response:** 0.32

#### 3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
11	18	4	5	1

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4 Extension Activities

**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**

**Response:**

NSS, Rotaract club, YRC and Eco trekking club volunteers of Sree Sakthi Engineering College (SSEC) gives importance to social outreach activities to help the neighborhood and also to instill social responsibilities in the budding young minds.

**National Service Scheme:**

The NSS unit of the college is part of the NSS unit to affiliating Anna University. The University periodically calls for meeting with Programme Officers of the colleges under its control to discuss among them about the activities that could be initiated for the betterment of the society at large.

The NSS volunteers of Sree Sakthi Engineering College create a lot of awareness on the importance of tree plantation in the nearer areas. They have conducted various social activities in and around Karamadai village in Coimbatore District. In addition to this our student volunteers involved in Tree Plantation, Blood Donation, Rain water Harvesting Awareness marathon and Road safety awareness program. In addition to this regular NSS camp is being conducted in Velliyankadu village. Our NSS student volunteers visited Mulli reserve forest area and created awareness about plastic free forest by removing plastics and other non-degradable wastes which has greatly helped the ecosystem in preserving and conserving the wildlife.

**Youth Red Cross:**

YRC formed with around 50 student members and a Coordinating Officer organize blood donation camps, Health Camps joining hands with different hospitals and organizations in and around the city. In addition, the students of the YRC volunteers in large number to donate blood as and when it is sought for in case of emergencies.

**Rotaract Club:**

Rotaract Club established with 50 student members and a Coordinating officer is organized Road safety awareness program, Rain Water Harvesting Awareness marathon, leadership and skill enhancement seminars for the students jointly with Mettupalyam Rotary Club.

For the past 5 years, Sree Sakthi Engineering College conducted 109 extension and outreach programmes with Non- Government Organizations through NSS, YRC etc.,



**Other Extension Activities:**

Chairman of Sree Sakthi Charitable trust encourages the 10th students who have secured the first position in their Board examinations with cash award and shield in and around Karamadai village. In this regard more than 60 students have been awarded for the past 5 years.

Also SSEC bestows question Bank with key answer to the 12th students of all districts in Tamil Nadu to score good marks in their public exams. Almost 1,20,000 students were benefitted for the last 5 years.

SSEC structured various programs in association with Tamil Nadu Science forum for the school students from Tamil Nadu, like Science and Math fest to bring the students scientific knowledge to the fore.

Institution organized a function to felicitate the school teachers with “Sree sakthi Excellency Award” and also for the best teacher “Dronacharya award”.

SSEC join hands with Elite Circle in organising techno-cultural event "GATEWAY" conducted every year, which has records for number of school students participated. Also SSEC and Elite Circle organized a world record event to create longest hand print national flag by school students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

**Response:** 14

#### 3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
4	2	2	4	2

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach Programmes conducted by the institution through NSS/ NCC/ Red Cross/ YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. ) and / or those organised in collaboration with industry, community and NGOs during the last five years.**

**Response:** 109

**3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
26	23	22	20	18

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years**

**Response:** 99.84

**3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDS awareness, Gender issue etc. year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
1106	1227	1082	988	911

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

**Response:** 253

##### 3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
45	67	76	36	29

File Description	Document
e-copies of related Document	<a href="#">View Document</a>
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>

#### 3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

**Response:** 29

##### 3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	10	9	0	2

<b>File Description</b>	<b>Document</b>
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

NAAC

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

**Response:**

The SSEC management provides positive and conducive environment for learning with its lush green with peaceful atmosphere. The management has taken care to provide the required facilities like well lit and ventilated class rooms, spacious laboratories, furnished library and space for various administrative activities.

For better teaching learning process, based on the regular curriculum and extra learning, the infra structural needs are proposed by the heads of the department concern to the principal. The principal presents the requirements to the governing council and management. Based on the recommendations the management develops the necessities.

The laboratories are well equipped with high quality equipments and computing facilities. The library is enriched with good number of books and journals. Space for placement cell, exam cell, common rooms and space for co-curricular and extracurricular activities are provided.

The institution is entrusted in providing modern infrastructure to the students and faculties, enabling them to envisage and equip adequately. All the departments have well-furnished cabins for the faculty members to regularly counsel and guide students.

The institute has modern facilities like class rooms enabled with ICT facility, Video lecture hall for NPTEL lecture class, fully equipped laboratories, well stocked library with online resource access, 50 MBPS bandwidth internet connectivity with Wi-Fi, computing facility in all the departments and fully connected through LAN, Canteen, Placement and training cell, playgrounds, separate on campus hostels for boys and girls,

Transport facility is available for day scholar students and staffs from all directions, thus permissive environment lighten the effective knowledge transfer. ATM facility of ICICI bank is available in the campus.

The in-house student co-operative store supplies textbooks, necessary notebooks, record note books, observation note books and other essential stationeries to students.

Each floor is facilitated with purified water cooler for students / staff members which distributes RO water fro a Centralized Ro plant. The administrative block is provided with lift for the use of faculty and students.

Whole campus is under the surveillance of CCTV cameras.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga etc.

##### Response:

SSEC emphasizes on the overall personality development of students, by the way of motivating talented and deserving sports men and sports women, offering them fee concession and priority in admission.

The institution has indoor games facilities for shuttle badminton, table tennis, carom and chess. The college has playground for outdoor sports activities like Kabaddi, Cricket, Net practice for Cricket, Football, Volley ball, Throw ball, Ball Badminton, Hockey, Handball, Basketball, track and field. The sports students have their practice at 6 a.m. in the morning and 4.30 p.m. in the evening respectively. The college also conducts intra-college sports competitions and merit certificates are distributed to the students on the sports day.

The students are encouraged and provided with all necessary facilities including travelling allowances and dearness allowance to participate in inter university, zonal level and other sports tournaments.

The expressive professionalism is imparted through cultural programs being conducted periodically. The institute has auditorium, with audio facility and about 900 seating capacity. Also, the institute has open air auditorium to conduct cultural functions as part of annual day celebrations. The college also conducts intra-college cultural competitions and merit certificates are distributed to the students on the college day.

In addition to academics, cultural and sports activities, our college organizes regular “Yoga Activities” on every Saturday.

##### Facilities for Sports Activities

S.No	Sports (Indoor / Outdoor)	Number of Courts
1	Shuttle Badminton	2
2	Ball Badminton	1
3	Table Tennis	1
4	Gymnasium	1
5	Basket Ball	1
6	Hockey / Football / Athletics	1

	200mTrack / Cricket	
7	Kabaddi	2
8	Volleyball	1
9	Basketball	1
10	Weight lifting	1
11	Chess Board	10
12	Carrom Board	3
13	KHO-KHO	1

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

**Response:** 47.06

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

**Response:** 16

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

**Response:** 7.28

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
34.07	35.31	42.47	37.08	60.12

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

#### Response:

SSEC has library automation software as a module in the ROVAN ERP software to regularize the library functions. Sree Sakthi Engineering College Library follows the open access system, encouraging the students to browse freely all the resources available. Books and standard text books of reputed field which are taught at our college or stocked, SSEC follows policy for buying books in multiples for large number of students in accordance with semester basis.

The library provides various services for students such as lending of books journal back volumes, reservation of books, photocopying, and CDROM and internet services. All the activities are computerised. Congenial and spacious seating arrangement gives a complete study atmosphere in the library, where students can sit and concentrate. The inventory of books helps students to identify the needs and quick reference. It is updated continuously as the new books are added. Books display board has also been provided in the library where students can view interestingly and new clippings directly. The central library offers photocopying services for all students and staffs. The charges for photocopying are Rs.1 per page.

The library takes care of purchase of text books, reference books and journals as per AICTE and Anna University requirements, other industry related books, motivational books and books related to competitive exams. Before the commencement of every year department wise text books and reference books (as per the syllabus) from each department are collected by the librarian. The librarian will prepare the comparative statement based on the quotations received from various publishers for the purchase of books.

The Library Advisory Committee analyse the purchase requirement with budget and recommends to the management for necessary approval. The Library advisory committee comprises of senior faculty members from each department with 4 student members. The committee shall be reconstituted once in a year. Newspaper clippings on education, science and technology, sports, competitive exams, placement details are displayed on the notice board. The library orientation program is organized. Books, Journals and other learning resources are arranged in systematically organized pattern for zero delay easy access.

Our library functions after the college hours till 17.30hours, so that the students can remain in library for exam preparation, which leads the students not to carry the unnecessary study materials to their home.

#### ERP software



ROVAN IMS is the Education Enterprise Resource Planning (ERP) Software that helps to manage the institution better. It helps to use the resources better and serve the students better. ROVAN IMS is easy to learn and easy to use. It is a multi-user system. That can be accessed using an intranet. ROVAN IMS – Education ERP Software contains 16 modules. The modules are dashboard, admission, student, fees, attendance, exam, hostel, transport, library, staff, assets, stores, mess, canteen, accounts, and master. All modules are integrated and very effective in serving students and staff.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

#### 4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

E. None of the above

D. Any 1 of the above

C. Any 2 of the above

B. Any 3 of the above

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 8.92

**4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
12.94	12.76	7.32	5.07	6.52

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Percentage per day usage of library by teachers and students during the last completed academic year**

**Response:** 27.1

**4.2.4.1 Number of teachers and students using library per day over last one year**

Response: 258

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1 Institution frequently updates its IT facilities including Wi-Fi**

**Response:**

The college has sufficient facilities of the information technologies with internet connection 50 MBPS speed including Wi-Fi. SSEC facilitates blend of traditional and modern modes of teaching with technological aids such as ceiling-mounted LCD projectors, roll-down screens, green boards etc. for faculty.

IT Infrastructure and associated facilities have been augmented periodically as and when there is a requirement and also to introduce new technologies to the student and faculty.

All the computers in the centres are provided with the latest updated software and hardware. Internet,

printing and scanning facilities are also available through network. Further, each department have separate computer lab equipped with uninterrupted power backup.

The Internet facility is extended to the students at free of cost through wi-fi. The laboratory hours have been extended to enable students work on independent projects and to gain hands-on experience.

We have added 10 MBPS leased line internet connection from JIO internet on 21.03.2020, to the already available 40 MBPS speed leased line internet connection from BSNL Internet provider.

All Laboratories are provided with internet facility. Internet connection is open to staff and students on all working days till 6.00 pm.

Construction of new laboratories, renovation and up-gradation of existing laboratories, expansion and modernization of facilities are an integral part of our growth plan.

SSEC implemented biometric attendance system as part of Digital India mission to bring in more transparency in attendance and other HR management activity.

ROVAN IMS is the Education ERP Software that helps to manage our institution resources better and serves the students better.

The Principal / Teachers can view complete information about a student in a single screen. It will show the personal details, fees particulars, attendance details, mark details, library activities, hostel activities and transport details.

This empowers the Principal / Teachers to face the parents with accurate data and have a worthy discussion about the future of the student.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 2.59

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution

**E. < 05 MBPS**

**D. 05 MBPS – 10 MBPS**

**C. 10 MBPS – 30 MBPS**

**B. 30 MBPS – 50 MBPS**

**Response:** A. 750 MBPS

File Description	Document
Upload any additional Information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

**4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)**

**Response:** 3.26

**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
23.25	11.70	15.43	14.38	26.95

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

**4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**

**Response:**

The Institute has an established system for maintenance and utilisation of computers, classrooms, equipment and laboratories in the campus. This document provides a framework and an outline on the

responsibilities to ensure effective use and maintenance of existing infrastructure facilities.

Site engineer with a team of members monitor the maintenance and cleanliness of the buildings, classrooms, labs, furniture, campus ground, student's amenity areas, cafeteria and hostel buildings. Housekeeping services are outsourced on weekly wage basis and are made available during day time in all days.

Transport facilities are monitored and maintained by the Transport in-charge and his support staff. Annual maintenance of all vehicles is done promptly at the beginning of the academic year.

- Every department has maintenance register to record the details of equipment service work carried out.
- Periodical equipment maintenance is done by the respective laboratory technicians.
- In case of any service of equipment, the suppliers and outside engineers are called on to attend the service work.
- Computer department of our institution takes care of software installation and maintenance.
- A maintenance register is kept in office to follow the electrical complaints registered and its rectification.
- The institution has a generator with the capacity of 82.5KVA.
- A separate electrical maintenance team is functioning under the senior electrical engineering department faculty to look after electrical maintenance in the campus.
- Supply of quality water is ensured through RO system. The water doctor facility is available at all the floors for the supply of pure water.
- Annual stock verification of laboratory equipment, furniture, library resources and other infrastructural facilities is carried out by various teams consisting of teaching staff members constituted by the Principal.
- The institution has efficient housekeeping system consisting of gardeners, sweepers and scavengers. The entire system is monitored by housekeeping supervisor who is specifically appointed for this purpose.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

**Response:** 77.78

##### 5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
767	976	924	787	719

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

#### 5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

**Response:** 54.25

##### 5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
566	733	695	528	370

#### File Description

#### Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

**5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following**

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**E. None of the above**

**D. 1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response:** A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

**5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

**Response:** 22.99

**5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
236	220	264	260	256

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1 Average percentage of placement of outgoing students during the last five years

**Response:** 81.74

#### 5.2.1.1 Number of outgoing students placed year - wise during the last five years.



2018-19	2017-18	2016-17	2015-16	2014-15
236	220	264	260	256

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years (Data Template)	<a href="#">View Document</a>

### 5.2.2 Average percentage of students progressing to higher education during the last five years

**Response:** 11.63

#### 5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 30

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education (Data Template)	<a href="#">View Document</a>

### 5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT/JAM/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

**Response:** 8.37

#### 5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	1	0	2	0

#### 5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	26	34	9	12

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the last five years.**

**Response:** 80

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
14	17	22	16	11

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)**

**Response:**

The Institution creates opportunities for students to actively participate on academic and administrative committees which empower them in gaining Leadership qualities, rules and regulations.

The Institution has a representative council called as Class Committee which includes six students from each class; they bring forward their views and suggestions with respect to the faculty, subjects, facilities and other requirements.

Student member of class committee was selected based on the composition of two topper, two average and two below average students. One student was nominated as class representative for each class.

The student has representation of various committees such as Entrepreneur Development Cell, Library Advisory Committee, Canteen Coordination Committee, Student Coordination Committee, Students Welfare and Grievance Redressal Committee, NSS Committee, Youth Red Cross Committee, Rotary Club, Antisexual Harrassment Committee, Culturals Committee, Sports Committee, Literary Committee and Tamil Mandram Committee. Students eagerly participate in all the activities which gives them an opportunity to have a sense of social responsibility.

The Institution has an Entrepreneurship Development Cell which run under the supervision of senior faculty members.

The Institution has various clubs such as Eco-Trekking Club, Apps Developer Club, Robotics club, Renewable Energy club, CADD Club. These Clubs enhances the softskills, Engineering Skills as well as create environmental awareness to students.

The Institution has Chapters of Professional bodies which empower students to develop their technical skills, update knowledge and improve their personality. The Institution has membership of Professional Societies, namely, Indian Society for Technical Education (ISTE), Computer Society of India (CSI).The programme was conducted entirely by office bearers consisting of student members only.

The Institution Organizes Science Exhibition and Quiz Competition for school students and also organizes cultural festivals, college day, sports day, teachers day, freshers day, Womens day, literary day, farewell party, pongal celebration and pooja celebration for our students.

The association of each department organizes various programmes such as symposium, workshop, seminars, Guest lectures and Industrial oriented training programmes.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**5.3.3 Average number of sports and cultural events/competitions in which students of the Institution**

**participated during last five years (organised by the institution/other institutions)****Response:** 29.8**5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
27	40	28	30	24

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	<a href="#">View Document</a>

**5.4 Alumni Engagement****5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services****Response:**

The alumni association was formed in the year September 2015 in our Institution and it was registered on January 2020. Alumni Meet was conducted once in a year as forum to support and cultivate good relationship between alumni, present students, management and teaching faculty. Our Alumni will help students to identify industries for in plant training, internships, industrial visits and projects etc. to interpretate the students to the state of art technologies in each discipline of engineering.

Official Alumni Meets provides better opportunities which facilitate Alumni to reunion with their friends and faculty members to refresh their memories and share experiences of their past and present. At the same time it also enables us to receive regular updates of our alumni and to have planned activities for further growth. Our Alumni on the other hand are adding values to its status for the institutions with their influences in many traditions to the society.

**Major platforms where our Alumni are engaged:**

- Invited Motivational Talks/ Guest Lectures/ Alumni Forums/ Skill and Entrepreneurship development/ Human values/ Higher education/ Abroad Job opportunities/ Placements etc.
- As the Participants/ Speakers/ Sponsors during seminars, workshops, symposium and conference etc.

- Their inputs are very momentous for improvement of the laboratories with most recent developments as per the modern trends in the Industry.
- Invited Alumni for Department level Stakeholders advisory meeting for every year to give suggestions related to curriculum for better growth of their junior students.

Alumni are also engaged in various students driven activities like clubs, committees, various Social activities with code of ethics. The alumni strengthen the development of each individual and state of nation. Flourishing alumni can be the role model. They work for the unity of society and public factors for financial growth and progress.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 5.4.2 Alumni contribution during the last five years (INR in lakhs)

E. <1 Lakhs

D. 1 Lakhs - 3 Lakhs

C. 3 Lakhs - 4 Lakhs

B. 4 Lakhs - 5 Lakhs

**Response:** A. ? 5 Lakhs

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

##### Response:

##### Vision

“To be recognized as an International Leader in Engineering Education, research and the application of knowledge to benefit Society Globally.”

##### Mission

“To develop high quality technical education and personnel skills with a sound footing on basic engineering principles, technical and managerial skills, innovative research capabilities, and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting them to changing technological environment with the highest ethical values as the inner strength.”

#### The nature of governance, perspective plans and participation of the teachers in the decision making bodies

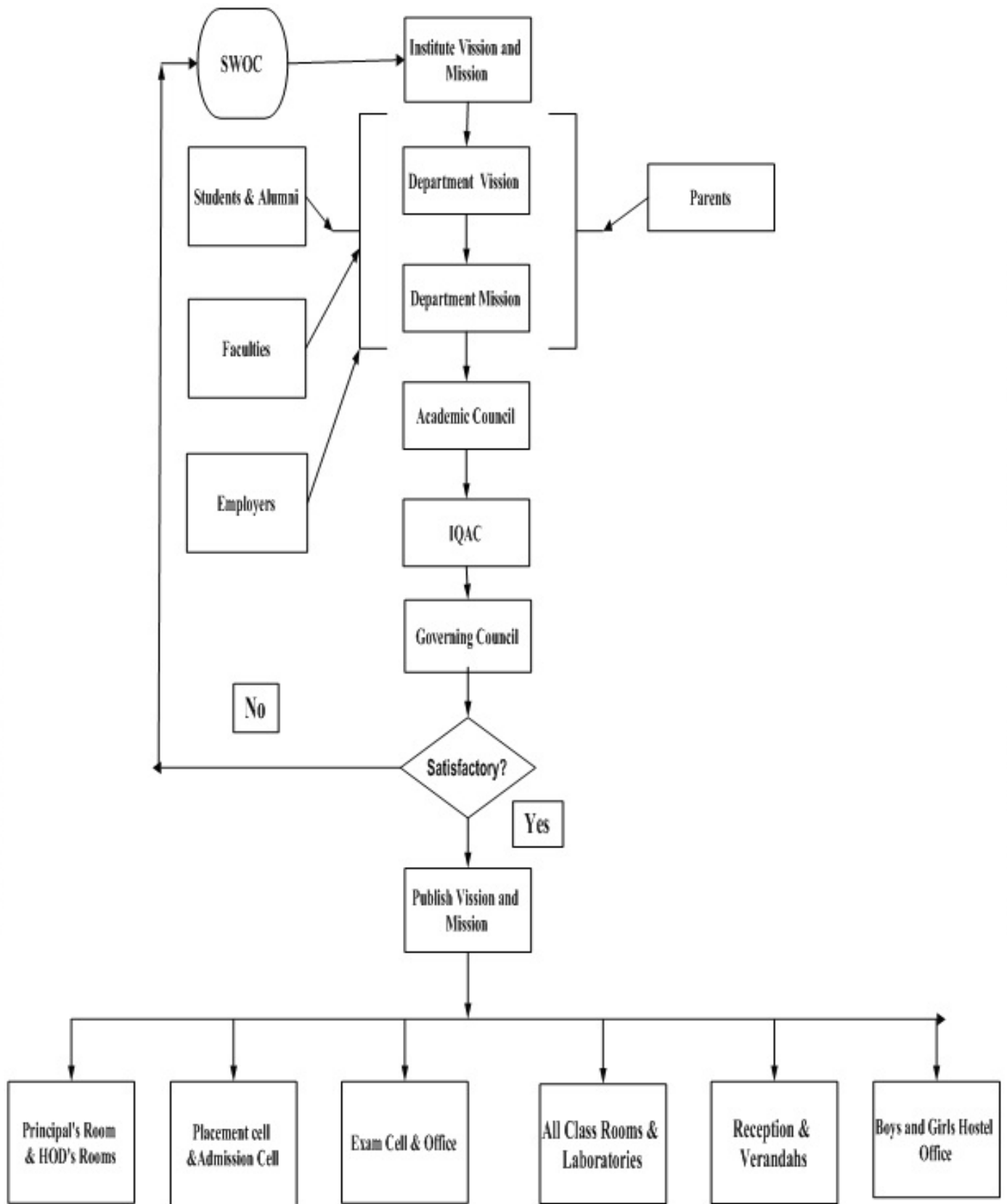
The Governing Council of the Institute comprises of Chairman and the members of the trust, eminent academicians, industrialists, corporate heads, representatives from government bodies, Principal of the Institute and Dean – Academic as member secretaries. The Top Management conducts Governing Council Meeting once in a year, to review and plan various academic, infrastructural development, human resource policy, budget, etc., In addition, the management conducts management review meeting to analyze the procurement of the various quality objectives such as academic, placement, Co- curricular and Extracurricular activities.

The chairman and Correspondent take care of the administration of the institution and guide Principal, HODs, Faculties and students to perform excellently towards the vision of the institute. The strategic plans of the institute are structured on the basis of vision and mission of institute and cater needs of society, stake holders and the corporate world. All essential decisions which includes the increase of intake the existing courses, starting of new course, expansion of infrastructure and formulation, planning and announcement of strategy are approved by correspondent. The execution process is further discussed with principal and HODs for implementation.

The Principal prepares the college level academic calendar based on the Anna university academic schedule which includes Internal Assessment Tests, industrial visits, workshops, guest lectures, expert lectures, seminars, club activities tentative sports day, Hostel day and college day after discussion with HODs and various committees/ club members. The same is circulated to all the departments well in advance for the preparation of department calendar. The Principal convenes meeting with all Head of the Departments and the Functional Heads to assess the progress of the academic and other developmental activities of the Institute and give guidelines for further improvement/enhancement.

Various quality enhancement programmes are initiated by the principal and implemented by the HODs and in-charges and coordinators of various committees/ cell in the institute. HODs prepare the semester wise action plan for their respective departments with the approval from the principal. HODs conduct periodical department meetings and the collective suggestions given by the faculty, students, industry experts and stake holders are discussed with the principal for approval. The principal discusses with correspondent and chairman for the final approval and the decisions after approvals are circulated among faculties for implementation.

NAAC



File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>



### 6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

#### Response:

Institution practices decentralized governance systems with proper and well defined inter relationships. Management of the institution provides sufficient authority to the departments for the smooth conduct of decentralized governance system. Decentralization of the Institution is working through personnel at different level to implement the decisions. Effective leadership in various institutional practices can be organized as below

**Top Level Organizers** are the Chairman, Correspondent, Governing Council & Principal are responsible for overall monitoring and controlling the entire institution. Chairman is supported by the governing council with regards to policies, broad guidelines and framework for the improvement of quality of education.

**Middle Level Organizers** are the intermediate staff between top level and Low level management. Head of the department (HOD), Administrative officer (AO), Librarian, Physical education director are the middle level organizers for the execution of institutional plans.

**Low Level Organizers** includes faculty members, non teaching staff, last grade staff and others. Middle level organizers are helped by these staff by coordinating the activities assigned to them.

Different institutional activities are carried out by various committees formed by faculty members. Committees are responsible for conducting curricular, co-curricular and extracurricular activities during the academic year.

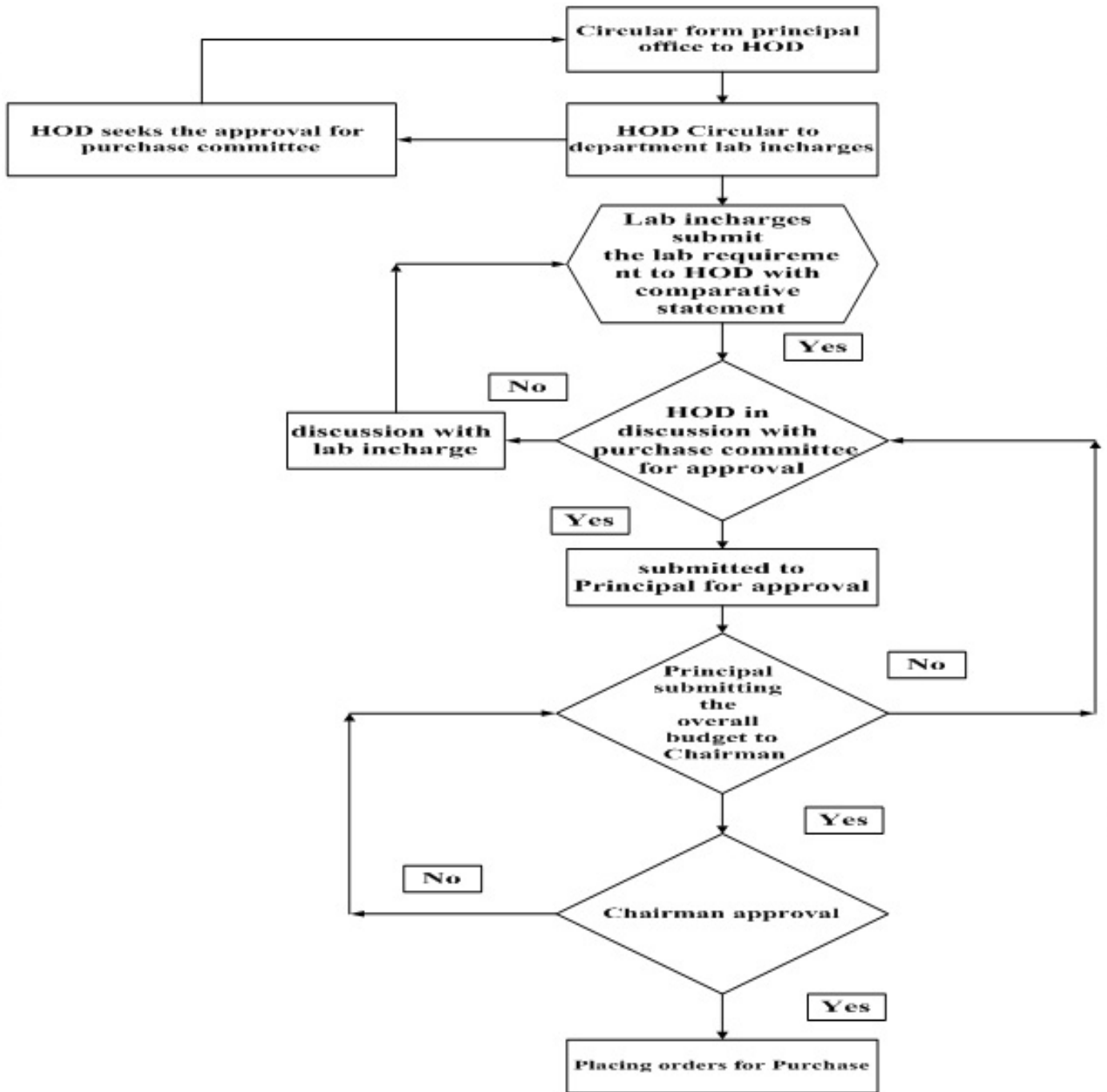
For the benefit of students and faculty, the departments are encouraged to conduct various activities with the support of management. Annual Budget of SSEC prepared by the principal. The planning for the academic year starts from June to May for that year annual budget. Instructions are given to the heads of departments and administrative in-charge to prepare budget forthcoming academic year. They are instructed to submit the annual budget for their concern departments for academic year through circular.

Budget proposal for various activities like symposiums, Guest Lectures, workshops, seminars, Conferences, training, value added courses are prepared by the department in-charges with the instruction from the concerned HOD. Along with this Lab in-charges are instructed to submit the requirement for purchase of new equipments, servicing of Equipments & Maintenance and up-gradation. After scrutinizing all the budgets in the department level the HODs are submitting the budget for every Academic year of their concern Departments.

The in-charges for Library, Placement, transport, Electrical work, water supply, Exam cell and Civil Work are also asked to submit the proposal to the Principal. In particular Library Budget has been prepared by Library In-charge in consultation with various department HODS.

The Budget proposals at the Institutional and department levels are submitted to the Principal. The consolidated Budget is prepared by the Principal and organizes meeting to avoid Redundancy. The modified and final Proposed Annual Budget is submitted to the correspondent for Approval. The Approved

Budget is communicated to the HODs and the In-charges through proper Channel. The Fund requirement for every event is submitted to the principal then and there and the Accounts department releases the fund for the same. Through this effective decentralization, the Institution is running successfully and enhances the Quality of the college. This style of functioning; management ensures constructive delivery of financial activities with smooth conduct.



<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

#### Response:

Vision and mission of the Institution is made clear to the faculties and students by the management. The Academic and administrative functions of the Institution are governed by the participation of the faculties and students with complete transparency.

### Quality Policy

SSEC, Coimbatore shall maintain and continually improve the quality of educational services, processes and campus environment, ensuring personality development of students and customer satisfaction.

The Quality policy is developed by the Top Management in consultation with various stakeholders like Alumni, Parents, Industries and Students etc. The institution is committed to provide quality education in Engineering by,

- Developing adequate infrastructural facilities
- Up-gradation of faculty skill and knowledge
- Placements to all the eligible students
- Industrial practical knowledge training
- Value added courses
- Encouraging students to participate in co-curricular and extracurricular activities

To deploy the stated quality policy, it is understood by all the faculty and staff members and efforts are made at all levels to ensure its effective implementation.

The following are the perspective plans of our institution.

- Improving the quality of teaching and learning.
- Promotion of research among faculties
- Quality Assurance measures
- Enhancing industry institution interaction and entrepreneurship development
- Placement training activities.
- Acquisition of students' talents and motivating for participation in competitions.

#### Successfully implemented strategic plans in our institution

- Up gradation of qualification of faculty and enrich their knowledge
- Creation of research culture in the institution
- Establishing research Centers in all the departments.

Faculties are motivated by Management and Principal for upgrading their Qualifications. The Continuous

motivation by the management and encouragement by the principal many of our faculties are pursuing Ph.D degrees. The Faculties are given on duty for their research work whenever needed .Total numbers of Faculties with Ph.D are 11, the faculty members pursuing PhD are 10, University recognized supervisors are 3 and ECE department has been recognized as Research Center by Anna University.

Management encourages Faculties and students to publish articles in the referred journal of high reputation which enable us to bring out research culture in the Institute. Numbers of publications for the last five years are 152. Not only our faculties, students are also motivated to attend the Conferences, workshops, Internship and in plant training to enable them to enhance their knowledge in their respective field. National Level Seminars / Conferences are arranged in our college to provide the students and faculties to present their Research work which enable them to showcase their Research knowledge in the field of study. The incubation center and centre of Excellence are also help faculties and students to enrich their knowledge and making the Institute to promote Research work.

#### **Achievements of the Institution after the Implementation of the Strategic Plan**

<b>Description of the metrics</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
No of Publications	<b>46</b>	<b>39</b>	<b>26</b>	<b>50</b>
Value added courses offered to students	<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>
No of conferences /workshops/Guest lecture attended	<b>100</b>	<b>159</b>	<b>179</b>	<b>338</b>
Conferences / Workshops Organized	<b>13</b>	<b>15</b>	<b>20</b>	<b>32</b>
Anna university Approved Research center	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
strategic Plan and deployment documents on the website	<a href="#">View Document</a>

**6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.**

**Response:**

## **Board of Governance**

### **Governing Council**

The Top Management conducts Governing Council Meeting once in a year, to review and plan various academic, infrastructural development, human resource policy, budget, etc.,.

### **Academic Council**

Academic Council is responsible for preparing and monitoring the academic calendar, maintaining the standards of teaching, research and the assessment tools and procedures. It reviews and appraises all the functions of the institute periodically.

### **Department Advisory Committee**

Department Advisory Committee plans and monitors all academics and other activities in the institution. The quality of course delivery contents, attainment of course outcomes, skills and content beyond the syllabus in attaining PO, PSO through CO are reviewed by this committee.

### **Chairman:**

- 1.Plays vital role in the institution and formulating plans and objectives of the institution.
- 2.Responsible for Overall control of the financial function of the Institution.
- 3.Responsibility for providing resources for Infrastructure and other facilities.

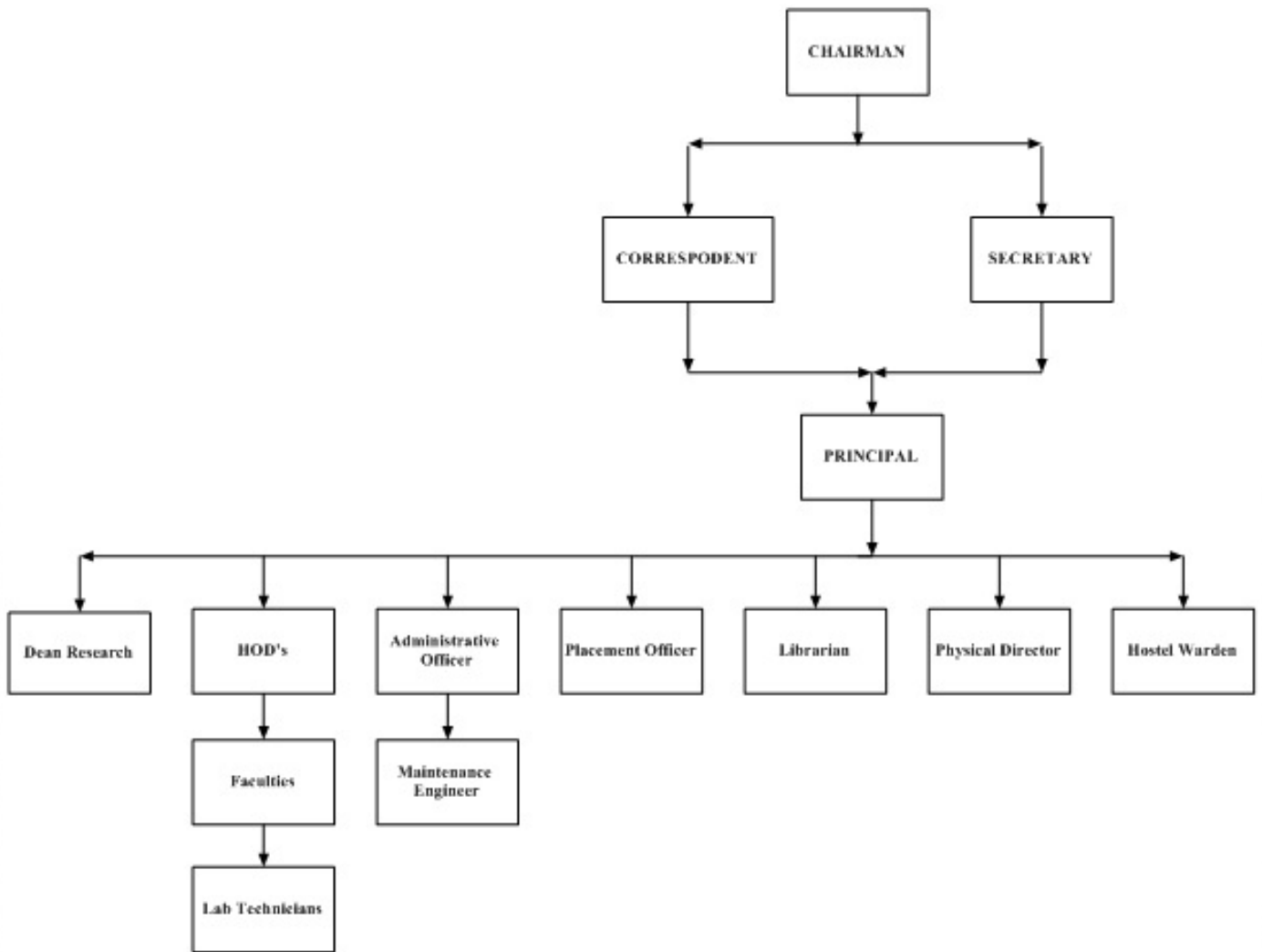
### **Correspondent:**

- 1.Deciding Authority of Sree Sakthi Engineering College Trust and responsible for the implementing the decision taken by the Trust from time to time.
- 2.Responsible for the administration of Transport, Hostel and Mess facilities in consultation with Chairman and Trustees.
- 3.Responsible for bill passing system in the Institution.

### **Roles of Administrators & Decision Makers:**

#### **Decision making process**

#### **Internal Organizational Structure**



**Principal:**

1. Responsible for Overall planning and implementing all academic activities like faculty and staff recruitment, preparation of academic calendar and Academic budget of every year.
2. Responsible of implementing and executing the instructions and guidelines provided by AICTE, NAAC, DOTE and Anna University with communication in proper time
3. Evaluating and implementing the performance of various departments and their activities and reporting to the Chairman and Correspondent then and there.
4. Responsible for organizing and conducting HOD and Staff meeting whenever required.
5. Motivating Students to participate in various academic, co-curricular & extracurricular Activities and bag prizes.
6. Responsible for ensuring overall the discipline of the institute.

**Dean- Research**

1. Responsible for all research related activities

**Head of Departments**

1. Responsible for planning and successfully implementing teaching learning process & maintain discipline among students and faculty members of their respective departments.
2. Allocating work load to the faculty members of their respective department in the beginning of each semester in consultation and approval from Principal.
3. Responsible for organizing and conducting staff meetings.
4. Analyzing the feedbacks from both students and parents and to take appropriate corrective/preventive actions for improvement if necessary in consultation with Principal.

### Grievance Redressal Mechanism

Grievances from the students, faculty or staff if received is discussed and the necessary action is initiated by Grievance Redressal Committee.

### Service Rules, Recruitment and Promotion Policy

The service rules, the recruitment procedure and the promotion policies are framed in accordance to the norms of AICTE, Anna University.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link to Organogram of the Institution webpage	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

**Response:**

**Response:**

In the growth of the institute, the teaching and non-teaching staff plays a vital role so the management recognizes their contribution and acknowledges their requirements.

As a result, various effective welfare schemes are implemented in the college. These welfare schemes empower the physical and mental health of the staff and hence a healthy dynamic working atmosphere is promoted which produces commitment towards the work.

The following are the various welfare schemes

**Teaching Staff :**

- 1.The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by internal expert committee.
- 2.The Institute organizes various orientation and enrichment programmes for staff members for upgrading their skills in the latest technology.
- 3.The management contributes an amount equal to the employee share for EPF with Pension scheme.
- 4.The Institute helps voluntary and contributory Group Insurance for teaching staff members for ease in accessibility to comprehensive health services.
- 5.Medical leave provision is given to the faculty and staff members based on the request.
- 6.On duty is provided for pursuing higher studies.
- 7.The faculty and staff members are entitled to avail summer and winter vacations, casual leave, compensation leave and earn leave.
- 8.On duty leave is provided to faculty members for attending various conferences, workshops, seminars, FDPs and examination duties.
- 9.The management contributes an amount to faculty members for attending various conferences, workshops, seminars, FDPs and examination duties.
- 10.The management encourages the faculty members for pursuing Ph.D. program by providing adequate number of On duty leave
- 11.Gifts during teacher's day celebration



12. Gifts during Staff Wedding, Son's or Ward's Wedding and Functions such as House Warming etc.,
13. Cafeterias and Stores

**Non Teaching Staff :**

1. The management contributes an amount to the employee for various allowances like conveyance allowance, professional development allowance.
2. The Institute helps voluntary and contributory Group Insurance for non teaching staff members for ease in accessibility to comprehensive health services.
3. Employee Provident Fund and Pension Schemes
4. The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by internal expert committee.
5. The Institute organizes various orientation and enrichment programmes for non-teaching staff members for upgrading their skills in the latest technology.
6. The management contributes an amount equal to the employee share for EPF with Pension scheme and Group insurance.
7. Medical leave provision is given to the non-teaching staff members based on the request.
8. On duty leave is provided to non-teaching staff members for attending various Training Programmes, workshops and hands on trainings.
9. The management contributes an amount to non teaching staff members for attending various Training Programmes, workshops and hands on trainings and examination duties.
10. Gifts during teacher's day celebration.
11. Gifts during Staff Wedding, Son's or Ward's Wedding and Functions such as House Warming etc.,
12. Cafeterias and Stores



<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 44.85

**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
69	61	62	38	35

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

**Response:** 7

#### 6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
10	8	6	6	5

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).

**Response:** 44.33

#### 6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
74	65	45	40	36

File Description	Document
Upload any additional information	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programmes during the last five years	<a href="#">View Document</a>

### 6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

#### Response:

Institution has Performance Appraisal System for teaching and non-teaching staff

Goals, targets and teaching quality are achieved successfully through an effective and well managed performance appraisal system. There are two categories such as HOD appraisal and peer appraisal which assess the academic, administrative and research activities are comprised for the teaching staff appraisal.

For HOD appraisal to assist the performance of all staff members the following factors are considered

#### Category I Teaching, Learning and Evaluation Related Activities

1 a. Academic result (max. score of 50 for > 80% result in courses with complete analytical, 90% in courses with complete theory and 85% result in courses with analytical and theory mixed)

1 b. Preparation and imparting of knowledge / instruction as per curriculum, syllabus enrichment by providing additional resources to student, innovative teaching-learning methodologies.

1 c. Promptness in academic duties

1 d. Examination duties ( Invigilation, Question paper setting, evaluation/ assessment of answer scripts) as per allotment

#### Category II Co-Curricular, Extension And Professional Development Related Activities

2 a. Student related co-curricular, extension , field based activities ( such as extension work through NSS/NCC and other channels, cultural activities, subject and related events , advertisement and counseling)

2 b. Contribution to corporate life and management for the department and the institution through participation in academic and administrative committees and responsibilities

2 c. Professional development activities ( such as participation in seminars , conferences, short term training courses , talks, lectures, membership of associations, dissemination and general articles, not covered in Category III below)

### **Category III Research And Academic Contribution**

3 a. Registered for PHD

3 b. Research papers published in

- 1.Referred Journals
- 2.Non- referred but recognized and reputable journals and periodicals , having ISBN/ISSN numbers
- 3.Conference proceedings as full papers , etc ( abstracts not be included)

3 c. Books, Chapters in books

- 1.Text or reference books published by International publishers with an established peer review system
- 2.Subjects books by national level publishers , state and central government publications with ISBN/ISSN numbers
- 3.Subject books by other local publishers with ISBN/ISSN numbers

### **Category IV: Mentoring, Institutional Development And Academic Leadership**

4 a. Class Advisor to a batch of students

- i) Counseling of students performing poorly, slow learners
- ii) Counseling of students who are in different and dis- obedient
- iii) Discussion with parents on improving the wards performance and behavior
- iv) Sharing of course material – notes, transparencies, PPTs

4 b. Editorship

- i) Invitation to be editor of an International Journal

4 c. Invitation to deliver keynote paper

- i) International conference abroad
- ii) National / International level conference of repute in India

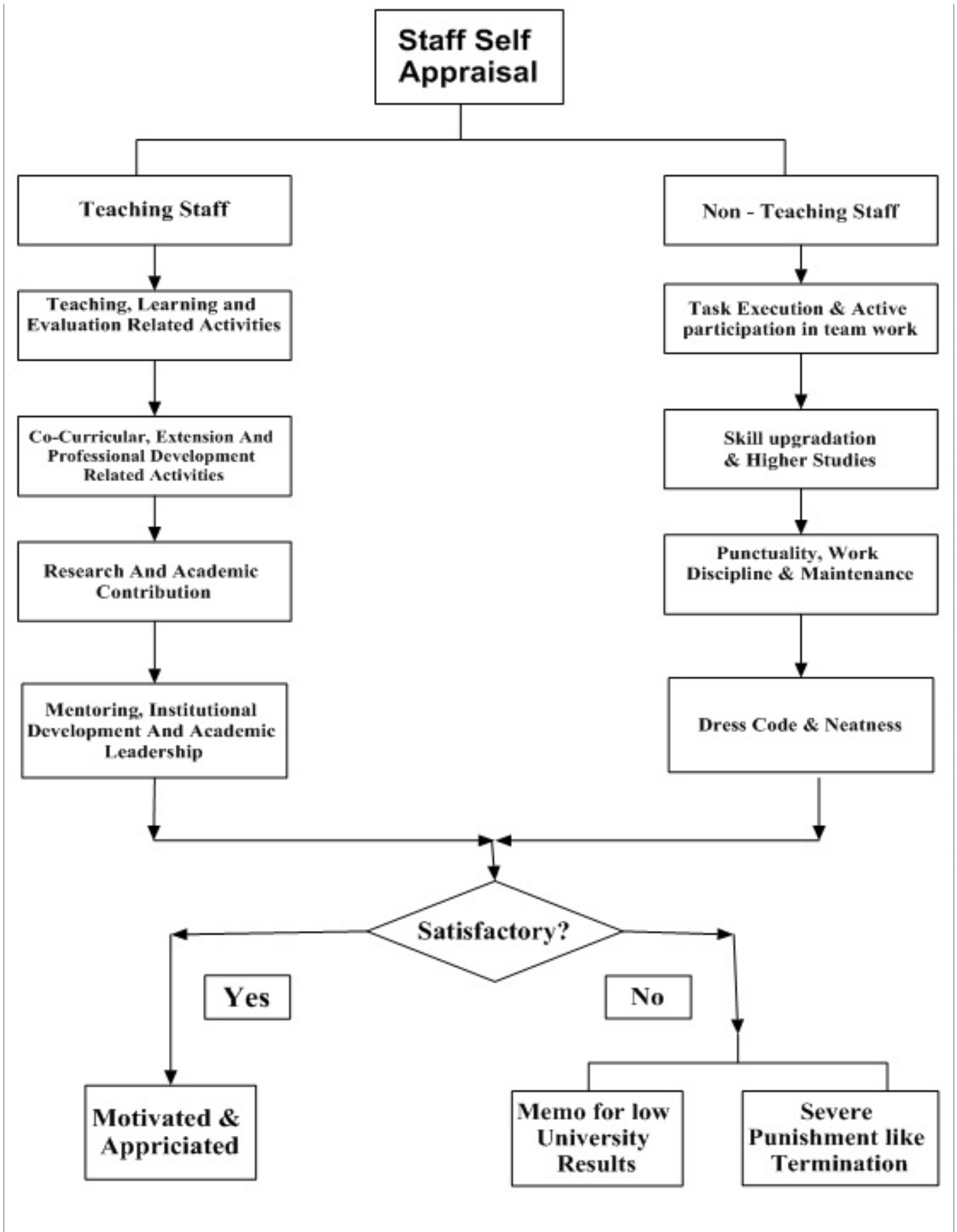
The evaluation process reviews the performance appraisal for suitable suggestions and remedial actions for regularizing the staff.

**Non – Teaching Staff The accountability and involvement of the non – teaching staff are also assessed.**

The components of assessment are as follows:

- 1.Task Execution
- 2.Skill upgradation
- 3.Higher Studies
- 4.Punctuality
- 5.Work Discipline & Maintenance
- 6.Dress Code & Neatness
- 7.Active participation in team work

NAAC



File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

**Response:**

**Response:**

Well defined process for sanction of budget is to utilize the annual budget effectively. Annual Budget of SSEC prepared by the principal. The planning for the academic year starts from June to May for that year annual budget. Instructions are given to the heads of departments and administrative in-charge to prepare budget forthcoming academic year. They are instructed to submit the annual budget for their concern departments for academic year through circular.

Budget proposal for various activities like symposiums, Guest Lectures, workshops, seminars, Conferences, training, value added courses are prepared by the department in-charges with the instruction from the concerned HOD. Along with this Lab in-charges are instructed to submit the requirement for purchase of new equipments, servicing of Equipments & Maintenance and up-gradation. After scrutinizing all the budgets in the department level the HODs are submitting the budget for every Academic year of their concern Departments.

The in-charges for Library, Placement, transport, Electrical work, water supply, Exam cell and Civil Work are also asked to submit the proposal to the Principal. In particular Library Budget has been prepared by Library In-charge in consultation with various department HODS.

The Budget proposals at the Institutional and department levels are submitted to the Principal. The consolidated Budget is prepared by the Principal and organizes meeting to avoid Redundancy. The modified and final Proposed Annual Budget is submitted to the correspondent for Approval. The Approved Budget is communicated to the HODs and the In-charges through proper Channel. The Sanctioned budget is communicated through circular to the entire department HOD's and administrative in-chargers.

The Fund requirement for every event is submitted to the principal then and there and the Accounts department releases the fund for the same. Through this effective decentralization, the Institution is running successfully and enhances the Quality of the college. This style of functioning; management ensures constructive delivery of financial activities with smooth conduct.

The correspondent monitors and receives the overall budget of the institution and approves the annual budget .The main objective of this process is to control the overall expenses and to increase the efficiency of the smooth flow of case in the institute. Proper record for all budget expenses is maintained in the accounts department. After the verification of vouchers and bills, the accounts department maintains the records of all the expenditures of the college.

**External Audit:**

Statutory auditing norms are followed in our Institution .At the end of every financial year. The income and expenses statement is audited by a chartered accountant. The auditor's report is prepared and



submitted for the financial year by the chartered accountant. This report shows that our Institution show a true and fair view in the financial position and cash flow.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

**Response:** 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Annual statements of accounts	<a href="#">View Document</a>

#### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

**Response:**

**Response:**

**Objectives :**

- Growth and development of the Institution is ensured by a well planned & organized manner.
- Sustainability is a major concern at every level is accounted and considered.
- Vision and Mission of the Institution is accomplished by every plan.
- Aspects in mobilizing and availability of funds and listed according to the priorities.
- Make use of consultants, consultancy and expertise in the planning
- Strategic plan for mobilization, allocation and utilization of resources are provided periodically

#### **Mobilization of funds**

Students are admitted as per the rules and regulations of Government of TamilNadu Higher education department and the Institution is affiliated to Anna University, Chennai.

Mobilization of funds in the institution is through the following sources.

- 1. Collection of students' fees**
- 2. Funds from the sister concerns of the management.**
- 3. Consultancy works under taken.**
- 4. Research project grant from non-government bodies/philanthropies.**
- 5. Registration fees in various conference symposiums and seminar organized by the institution.**

The financial revenue collected from the above mentioned resources are utilized for their respective activities.

#### **Utilization of funds:**

Institute has an efficient plan for the use of budgeted fund for each Academic year. The sanctioned budget and actual expenses are maintained in accounts department by the specific guidance from the management and principal. The fund is utilized for the Students, staffs, infrastructure, Library etc.,

Apart from this, the fund is utilized for students activities such as organizing symposiums in various departments the cash award for the winners of symposiums by the registration fees collected from the students. The fund is also utilized for placement training programmes, cash awards for the best mini project awards. Apart from this, financial assistance is provided to the Faculties for participating FDP, Seminars, Workshops and Conferences and also for students participating at Zonal level and University level sports competition.

The sanctioned budget for each department is utilized for purchase and maintenance of equipment and machines in the laboratory. The Laboratory equipments, machines and softwares are purchased after approval from the purchase committee comprised of HOD, one/two senior faculties and the concerned lab in charges. Whenever there is a leas for the purchase of equipment of the academic year, the department HOD submits a requisition to the principal. After the approval from the principal, it is forwarded to the correspondent for final approval. The approved purchase requirement for fund for organizing the programmes is handed over to the purchase committee / organizers.

The purchase committee invites quotations from the various companies and on the basis of quality, service support, product specifications and price of the product, the vendors are finalized. Finally, the prices are fixed after negotiation.

After that, purchase order is prepared for the purchase of equipments hence the efficient utilization of budgeted fund is exhibited. Further the faculties are provided with registration fees for attending conferences, workshops, FDP's etc., and also fund is used for the payment of salary towards non-teaching, teaching and administrative staff members.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

**Response:**

**Responses:**

**Response: 1**

#### 1. SKILL DEVELOPMENT PROGRAMMES

Various IQAC strategies are followed to enhance the quality in academic and administrative domains to fulfill the expectations of stakeholders such as alumni, industry experts and society. The Content beyond curriculum will inculcate Skills and Knowledge in the present scenario. Our college has faith in promoting the student into a successful engineer not just an Engineering Graduate and henceforth our students are urged to experience the following skill development programmes through IQAC. They are

1. Value Added Courses
2. Workshops
3. Seminars
4. Symposiums
5. Guest Lectures
6. Industrial Visits
7. Hands on Training Programmes
8. Placement Training Programmes and so on...

The students can improve their technical skills through these kinds of courses and programmes.

The following are the advantages of the skill development programmes which offer an edge over the others are

1. Learning skills, creativity and innovating ability are enhanced.
2. Gap between the curriculum and industry skills will be fulfilled

#### a. QUALITY IMPROVEMENTS PROGRAMMES FOR FACULTIES

Conferences, workshops, seminars, FDPs & hands on Training Programmes attended by our Faculties are closely monitored by HODs and Principal through IQAC and also various quality enhancement programmes in the institution are initiated by IQAC for quality teaching in our Institute.

#### b. INTERNAL EXAMINATIONS THROUGH IQAC

Conduct of internal Examinations, Central evaluation and Revaluation of Internal Examination answer scripts are carried over by the Exam cell through IQAC. From this year onwards, Automatic Generation of Question Papers is also included for betterment and easy way of learning by the students' community.

For ensuring consistent and reasonable evaluation, Central evaluation of answer-scripts is conducted after

each Internal Assessment Examination. Senior faculty members verify the evaluated answer-scripts to ensure transparency and distributed back to the students within a week time from the start of examination.

An exclusive portal is maintained in Rovam Examination module for the purpose of entering and storing the assessment marks obtained by the students. The entries made in the portal by the faculty members which can be viewed by the students using their login credentials. In case of grievance, Students can apply for revaluation of their answer scripts after getting a photocopy of their answer-scripts.

At the end of every semester, IQAC auditing is executed in each department for the quality improvements. If there is a need for the improvement in any of the activity, which is intimated

## Response: 2

### Industry visits

Industry visits help enhance interpersonal skills and communication techniques. Students become more aware of industry practices and regulations during industry visits. Industry visits broaden the outlook of students with exposure to different workforces from different industries.

A student pursuing a engineering degree will be taken to industries related to their branch for a visit and there the students will be exposed to processes , procedures and working environment taking place in that industries . This enables the students to get a clear picture about the methods and working culture followed by that industry and helps to replace the rumours mentality and preconceived notions about industry of the students .

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities ( For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:**

**Response:**

**Response: 1**

Well planned teaching learning process and the methodology is followed for effective run of the institution. As per the guidelines of IQAC there is a well planned structure to review the teaching learning

process. The following are the various teaching learning processes,

1. Subject allocation
2. Preparation for Academic lesson plan
3. Preparation of Class notes
4. Class Committee meetings
5. Tutor ward meeting etc

### **Subject allocation**

At the starting of the new semester, subject priority will be taken from all faculties which they want to teach in new semester. In first phase, faculty has to give priority rank from one to three from all subjects of each semester for both theory and Lab.

Student feedback for faculty over a subject will be an essential thing in deciding whether the subject will allocate or not to that particular faculty. In case of new introduced subject, the system will check the faculty's technical profile and subject profile before allocating subject. If institute follow rotation policy, then system will not allocation any subject to faculty more than three times in continuation. In case multiple faculty assigned for same subject, then system will consider the wish list taken prior from Principal/HOD. Subject credit, no of division/batch/student for a semester also analyze by the system to decide no of faculty required for subject.

### **Preparation for Academic lesson plan**

Academic lesson plan is the faculty's road map of what students need to learn and how it will be done effectively during the class time. Then, faculty designs appropriate learning activities and develops strategies to obtain feedback on student learning. Having a carefully constructed lesson plan for each hour lesson allows faculty to enter the classroom with more confidence and maximizes their chance of having a meaningful learning experience with their students.

### **Preparation of Class notes**

Faculties prepare class notes with effective visuals, analogies, demonstrations, and examples to reinforce the main points.

### **Class Committee meetings**

A class committee consists of the HoD, the Faculty Advisor of a class, concerned subject faculties and the students' representatives of the class. Class committees shall have three meetings in a semester, the meetings shall be called by the Faculty Advisor.

The purpose of a Class Committee is

- To convey the feedback of teachers regarding the class, attendance and to set their expectations for students
- To enable students to provide feedback regarding the teaching-learning process, internal

assessments, co-/ extra-curricular activities, student support services, mentoring, etc

### **Tutor ward meeting**

- For all students, Tutor Ward meeting is conducted to give their reviews to their responsible tutors in order to solve the issues faced by them.
- The meeting deliberately helps every single student of the class acknowledged by the tutors to understand their students and also to improve his reasoning skills
- The meeting enables people to agree to the facts that makes an individual development and discard which won't and to recall what has been done for an interval of time
- Faculty and students are comforted and are benefitted so that they could go on with their academic

The faculty plan each of these activities and it is reviewed thoroughly by HOD before implementation. Once the activity are implemented their progress is monitored and outcomes are analyzed through IQAC and discussed with the concern faculty and class advisor for the improvements. All academics and other activities at institutional level are planned and monitored by IQAC. The quality of course delivery process and attainment of outcomes are reviewed by this cell. The process for providing skill and knowledge beyond the syllabus in attaining PO, PEO, PSO through CO are also reviewed by this cell.

### **Response: 2**

#### **Project**

Final year project plays a vital role for completing their graduation. Students in eighth semester pursue a group based project on problem of their choice in their relevant discipline as per the guidelines of Anna University. Project work is carried out with the guidance of project guide allotted to them for understanding and execution of the project. Final year students are divided in to project groups as 3 or 4 students in a batch.

The project coordinator will allot the guide to every group through specialization study in PG. The students then submit their domain preference and gets approval from the guide and HOD. Project reviews are conducted on monthly basis to track the performance.

Three project reviews are conducted during the last two semesters in final year. During eighth semester, project review panel for each department is constituted and panel members are conducting project reviews for three times for each and every batch every month. The members in the review panel will give their ideas to enhance the quality of the project. They allot marks for various aspects according to their performance. These aspects are different for every review. Three project reviews are scheduled at the beginning of the semester and it is intimated to the students every month and marks are awarded and displayed to them.

At the end of third review the students are instructed to submit their project for demonstrations.

Finally they appear for university examination with proper presentation using PPTs and demonstrate their project with relevant outputs.

The groups are motivated to publish their work in the reputed journal and National/International conferences. The students are motivated to display their Project work for Competitions. Final evaluation of the work is done during Anna University Examination at the end of the semester.

#### **Benefits of the project work:**

- Develop real time or social relevance projects
- Helps Students Develop Skills for Living in a Knowledge- Based, Highly Technological Society by Project-Based Learning
- Establish Confidence for Initiating start ups
- Solving highly complex problems requires that students have both fundamental skills and 21st century skills such as teamwork, problem solving, research gathering, time management, information synthesizing, utilizing high tech tools are developed.

With this combination of skills, students become entrepreneurs and skilled engineers of their learning process, guided and mentored by their project guides.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### **6.5.3 Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**E. None of the above**

**D. 1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response:** B. 3 of the above

<b>File Description</b>	<b>Document</b>
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>

NAAC



## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### Response:

The College is very keen on the desires, aspirations, abilities and professional skills of human resources as men and women, without any discrimination about their gender. Further extensive efforts are taken into account for the communal and artistic factors involved in gender-based exclusion and prejudice in the most diverse spheres of community and personal life.

The institution celebrates regularly the International Women's Day by organizing special talk on different topics. The participants were educated about healthy lifestyle, solutions for psychological related problems and women empowerment.

##### Safety and Security:

- The appropriate measures have been taken to ensure safety and security of student and faculties inside the campus.
- Campus is well-protected with boundary walls guarded by security personnel from Morning to late Evening.
- The college has CCTV camera vigilance in major vantage points.
- Hostel inmates have to return to Hostel by 8 PM positively.
- If the hostel inmates proceeding for outing in the evening hours and on holidays, SMS will be sent to their parents about their out time and in time.
- For the both Boy's and Girl's hostels, full-time deputy warden is appointed.
- Grievances redressal and anti sexual harassment cell are actively functioning which provide a convenient opportunity for girls to voice their problems.
- The campus is set with a complaint box to collect any suggestions or any complaint from female staff and girl students of the campus concerning any abuse or harassment.
- Fire extinguishers are installed in hostels and other important places in the college.
- The college organizes seminars / special talks on a regular basis in order to endorse social values such as gender equality, gender sensitivity and highlights social problems such as women safety, women's health and cyber security.

##### Counselling:

- For effective mentoring and welfare of the students, 15-20 students are attached to a faculty mentor.
- The mentoring system is adopted to improve the rapport between the faculty and students. The main objective is to keep track of the progress of the students and counsel them accordingly for academic and personal guidance.
- Parents of the students are timely informed wherever necessity arises such as lack of attendance, poor academic performance and psycho-social problems.
- The college endeavors to look after the total personality development of students through NSS, YRC, Co-Curricular and Extra - Curricular activities and counselling.
- The faculty offer guidance to the prospective professionals in addition to classroom teaching.
- Importance is given for overall development of students through bridge courses, participation in various committees and organizing various events.
- The Women Development Cell is very active. WDC monitors all activities and training programmes related to safety and security organized in the college centrally.

#### Common room:

Separate common rooms are available for boys and girls. Lady Wardens and staff are available to take care of the requirements and comfortable stay of girl students in the campus. Sufficient flexibility is provided for the girl students to meet parents / guardians and also to travel to the nearby places in the evening ensuring their timely return to the hostels.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Link for annual gender sensitization action plan	<a href="#">View Document</a>

#### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

E. None of the above

**D. 1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response:** B. 3 of the above

<b>File Description</b>	<b>Document</b>
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### **7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)**

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

**Response:**

#### **Solid waste management:**

The institution takes all measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. Our staff members are involved in maintaining the college campus and hostels clean and tidy. All departments are provided with dustbins for dry wastage which are emptied every day evening. The day-today litters, paper wastes, plastic, food wastes etc. are segregated into biodegradable and recyclable wastes. The recyclable wastes such as examination papers are collected and periodically supplied to the local recycling vendors to avoid wastage dumping. One sided papers are re-used by the faculty members and staff for rough works. Non bio-degradable wastes such as metals and other scraps are comparatively less in our campus. Mostly they are repaired and serviced for the re-use. Wooden wastes are also effectively re-used by the in-house carpenter. In unavoidable circumstances, they are collected and supplied to authorized scrap agents.

#### **Liquid waste management:**

Sewage Treatment Plant (STP) is installed and the treated water from STP is used to water the garden. Skid mounted sewage treatment plant with disinfection is used for recycling the waste water.

The clear overflow is collected in a clear water tank, where the water is disinfected using Ozonation methodology. The water is then pumped by means of filter feed pumps to downstream pressure sand filter

and activated carbon filter for removal of residual suspended solids and odour, organics present if, any. Filtered water is used for gardening/landscaping etc.,

Sprinklers are used in gardens to prevent water wastage. Rain Water Harvesting system is in place. Wastewater from the RO plant is also used for watering the plants. Soak pits are provided in all buildings of the college and ladies hostel. College also educates the students regarding rain water harvesting and takes up activities related to save water campaign.

#### **E-Waste management:**

Being an institute of higher education, the need for utilization of electronic and computing systems becomes mandatory. The college has negligible E-Waste. Computers, printers and other ICT equipment which cannot be used are sold to vendors for recycling or replaced with latest through buy back schemes.

#### **Hazardous chemicals waste management:**

Practical labs like Chemistry and Environmental Science have taken measures to ensure that all the chemicals are diluted before discarding in wash basin. Glassware used in the laboratory is washed and rinsed with least quantity of water. as on today the institution is not having any radioactive waste for disposal.

<b>File Description</b>	<b>Document</b>
Any other relevant information	<a href="#">View Document</a>
Link for Geotagged photographs of the facilities	<a href="#">View Document</a>
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>

#### **7.1.4 Water conservation facilities available in the Institution:**

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

**E. None of the above**

**D.1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response:** A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

E. None of the above

D. 1 of the above

C. 2 of the above

B. 3 of the above

**Response:** Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

#### 7.1.6 Quality audits on environment and energy regularly undertaken by the Institution

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

E. None of the above

D.1 of the above

**C. 2 of the above**

**B. 3 of the above**

**Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### **7.1.7 The Institution has disabled-friendly, barrier free environment**

- 1. Built environment with ramps/lifts for easy access to classrooms.**
- 2. Disabled-friendly washrooms**
- 3. Signage including tactile path, lights, display boards and signposts**
- 4. Assistive technology and facilities for persons with disabilities ( Divyangjan) accessible website, screen-reading software, mechanized equipment**
- 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**E. None of the above**

**D.1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### **7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities**

(within 500 words).

**Response:**

The unity has in its diversity that serves as the melting pot of cultures, religion, and ethnicity and develops qualities of tolerance and understanding amongst students.

To enhance the activities in literary club is very active in organizing the events among the students.

SSEC hosts a wide array of events to imbibe our cultural values into them. Cultural day and the hostel day were conducted to bring out the immersed talent of the students.

For a student, sports are as much important as academics. Playing sports teaches life lessons like discipline, responsibility, self-confidence, accountability, and teamwork as well as keep us physically fit. Keeping all this in mind, SSEC organized SPORTS DAY for its students. It was a huge success as students participated with much interest and also enjoyed a lot.

For a student, outdoor creative activities are as much important as academics. National Service Scheme (NSS) organized orientation program. The volunteers introduced the first year students to the organizational structure of NSS and explained the importance and benefits of community presence with the help of a presentation. The two hour lecture ended on a high note in order to contribute to community service.

Student volunteers visits Orphanage regularly, distributed pencils, notebooks, toys, sweets, chocolates, toffees and biscuits with the little children studying classes one to five. They explained them about good habits through pictorial charts. The importance of cleanliness and its benefits to all were highlighted to all presents.

NSS team members organized tree plantation camp in and around our college campus to make the students aware of the Afforestation. The celebration was an ideal opportunity to instill the value of social responsibility in the students towards safe guarding trees and forest. The focus of the celebration was towards forming a personal connect between the students and tress through a process of experience, reflection and creation, carried out through various activities.

NSS team members adapted the nearby village and organized a cleanliness drive with regards to Swachh Bharat Abhiyan.

Road safety awareness rally was organized by the students to spread awareness among the people. Students gave the rules and regulations to the public for their safety ride and the precaution must be taken for the same

On 04th October 2017, the NSS students of SSEC organized a cleanliness drive. All the members and volunteers were enthusiastic to perform the task. They visited the nearby school to perform. The biodegradable and non-biodegradable waste was separated, and the whole area was cleaned. Around 35 people (members and volunteers) participated in the event. The people around were motivated to keep the area clean. It was a great experience and the students hope to continue this in the future. This show follows up of Swachh Bharat Abhiyan.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).**

**Response:**

**OBJECTIVES:** (Engineering Ethics & Human Values)

- To understand the moral values that ought to guide the Engineering profession, Resolve the moral issues in the profession,
- To justify the moral judgment concerning the profession.
- Intended to develop a set of beliefs, attitudes, and habits that engineers should display concerning morality.
- To create an awareness on Engineering Ethics and Human Values.
- To inspire Moral and Social Values and Loyalty.
- To appreciate the rights of others.

To build a nation of youth who are noble in their attitude and morally responsible, the College organizes national festivals.

SSEC celebrates Independence Day with unprecedented patriotic zeal on Aug 15th of every year. The entire college's staff and students got assembled at the ground for the celebration including the Principal and HODs of their respective departments. The Independence Day celebration witnessed multitude of activities which were held on the campus after the flag hoisting ceremony. The national anthem and the patriotic songs sung by the college choir echoed in the entire campus followed by Principal's address in which students and staff members got information of their duties towards our nation and rights given to them by our constitution.

SSEC celebrates Republic Day on 26th January of every year. The management, staff and students saluted the National Flag and pledged themselves to upholding the honor and integrity, diversity and uniqueness that is "India".

**NSS Day:** Our students celebrated the NSS day on 24th September of every year by hoisting flag and giving Inspirational speeches, conducting awareness camps, Distributing published materials, Conducting outreach programs. Human chain was formed by the students of our college for a distance of 2 km approximately in order to promote awareness to the society to perform their most responsible duty of



voting.

On 2nd October, on birthday of Mahatma Gandhi, the cleanliness drive was launched in and around the campus. The faculty members including Head of departments, students, security guards and workers gathered there for the launch of "SWACHH BHARAT ABHIYAN". Plastic wastes and other disposable items were collected from the roads. Sweeping of the road was done and then after the cutting of the grasses with the help of saw and machine was carried out. Each and every Hostel cleaning campaign was led by the respected Hostel faculty in-charge. Students cleaned their room and sweeping and washing of Hostel corridors was done. The campaign ends with a thanking speech by the NSS Programme Coordinator.

By organizing such type of events institute does its share to immersed patriotism and awareness to next generation The College strongly believes that unless the present generation of youth are not sensitized about the significance of the festivals of our secular country and the sacrifices which great men and women of this country have made for uplifting their countrymen the students are not able to understand their responsibility to the nation.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**E. None of the above**

**D. 1 of the above**

**C. 2 of the above**

**B. 3 of the above**

**Response: A. All of the above**

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

#### Response:

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian Personalities with enthusiasm. Our students are on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

- Independence Day
- Republic Day
- Teachers Day
- Gandhi Jayanthi
- Dr. Abdul Kalam Memorial Day
- Pongal Celebration
- Pooja Celebration
- Onam Celebration
- Women's Day
- National Science Day

#### Independence Day:

Our students celebrated Independence Day on 15th August of every year by first hoisting the flag and then doing noble works like cleaning parks and premises.

#### Republic Day:

Republic Day is celebrated on January 26th of every year to commemorate the adoption of constitution.

#### Teachers Day:

Our students organize teacher's day celebration on 5th September of every year. They invite teachers from the entire department and honor them by presenting them with gifts and greeting cards. The students also

prepared charts with teacher's day special drawings and quotes.

### **Gandhi Jayanthi:**

A standout amongst the most mainstream events in India and one of the three national occasions, Gandhi Jayanthi is celebrated in our Institute on 2nd October of consistently to stamp the birth commemoration of Mahatma Gandhi. On that day our NSS students visit the nearby orphanage or to the nearby government school to involve themselves in social activities.

### **Dr. Abdul Kalam Memorial Day:**

Our students celebrated the Abdul Kalam Remembrance Day on 26th of July. On this day the great leader was remembered and his quotes were remembered by the students. The students also delivered a speech about him and his great activities.

### **Pongal Celebration, Pooja Celebration & Onam Celebration**

SSEC has a tradition of celebrating the festivals of India in the campus to bring in the spirit of brotherhood amongst the students. Pongal, Pooja and Onam festival is celebrated with great pomp, glory and religious fervor. The students also learn their due management lessons by way of organizing and managing these festivals. This also strengthens team work and fosters a healthy culture among the students from diverse backgrounds.

- The campus vibrated with colors and music to celebrate Onam.
- Rangoli and the department decoration competitions on the day of Pooja Celebration.
- Competitions like Tug of War and Uriyadi were conducted on the day of Pongal celebration.

### **Women's Day:**

The students with WDC organized women's day celebration to honor and respect the ladies in the campus. Our students honor the women staffs on that day.

### **National Science Day:**

Department of Sciences & Humanities organized Competitions in commemoration of the National Science Day on 28th February.

File Description	Document
Link for any other relevant information	<a href="#">View Document</a>
Link for Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>
Link for Geotagged photographs of some of the events	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Response:**

### **BEST PRACTICE: 1**

#### **1. Title of the Practice**

#### **INSTITUTIONAL AUTOMATION SYSTEM (ROVAN ERP)**

#### **2. Objectives of the Practice**

- To introduce automation in the administrative (student, staff and Library administrative system) and the academic activities of the college (class room delivery, syllabus completion etc).
- To reduce the paper works.
- To increase data integrity, validity and reliability.
- To assure system wide security and protection of confidential information.
- To support sophisticated data analyses for use in decision-making.

#### **3. The Context**

Our Institution is having around 120 teaching and non-teaching staff members and about 800 students. So, monitoring the attendance of the staff members and students are really a tedious job. Timely availability of academic related data to the faculty members and students is prime need of the Institution. Planning and monitoring of the delivery system is must for better learning process. Collecting the data about the internal assessment is necessary for analysis and formulating methods for improvement. Maintaining finance information like fees structure, fees paid by the students and fees pending for the students can be successfully done using the ERP software. Library management is one of the modules in the software which takes care of complete library automation.

#### **4. The Practice**

The Institutional automation system ROVANIMS has been designed with the objective of storing and providing all the necessary information based on the requirements of the management, principal, HoDs, class Advisors, Tutors, Students and Parents. The important features of the system is

### **Students Management System**

- **Student's personal data**

The student's profile such as Name, Name of the parents, Date of birth, Address, Photo etc., will be added during the admission.

- **Student's academic performance**

The course registered, the marks scored in the internal assessment tests and the end semester examination results are available.

- **Student's list**
- **Student's TC register etc.**

### **Staff Management System**

- **Staff's personal profile**

The staff's profile such as Name, Designation, qualification, Date of birth, Address, photo etc., will be added during joining.

- **Staff work load details**

The academic workload / time table of all the staff members is available.

- **Staff leave particulars**
- **Staff attendance and salary generation etc.**

This system can be accessed by the concerned staff member, Department Head and Principal. Staff alteration (in case of Leave) has to be entered by the HoD.

### **Examination Management System**

- **Internal tests marks report**
- **Internal tests result analysis**
- **End semester examination results etc.**

### **Library Management System**

- **Books, Magazines and Journals database**
- **Search for Books, Magazines and Journals**
- **Access to e-resources**
- **Book issue/return database**
- **Stock report etc.**

#### **Fee Management System**

- **Fee Definition**
- **Fee Collection**
- **Scholarship definition**
- **Pending list**
- **Fee receipt etc.**

#### **5. Evidence of Success**

- All the academic and administrative process has become fast and accurate due to institutional Automation system.
- This automation system facilitates all the stake holders to access the required accurate data for processing and decision making.
- The access levels are ensured by passwords protection. So appropriate confidentiality of information is maintained.
- The availability of history data about the students (batch wise) and the staff members is the benefit of the Institutional Automation System.

#### **6. Problems Encountered and Resources Required**

- The Automation System is based on the server capacity. Hence the uploading of video based Lecture files is to be limited configuration.
- The system is having all the academic records of the students. The other extension activities of the students such as sports.
- The system should have the provision to access to the previous academic year student details.
- The above problems were overcome by the management by adopting various measures like Hard disk of capacity 5.0 TB is provided to accommodate the big data.

- A separate software development team staff members are working for the related activities.

## **BEST PRACTICE: 2**

### **1. Title of the Practice:**

Skill Development and Placement support program for students.

### **2. Objectives of the Practice:**

- To bridge gap between industry and academia.
- To motivate the students to become entrepreneurs.
- To provide technical and soft skill training to interested students.
- To enhance the employability skills such as aptitude, quantitative, verbal and reasoning ability.
- Make students aware of the various available career options and help them identify their career goals and profession.

### **3. The Context:**

Majority of students are from rural areas with lack of communication, confidence, abilities, motivations, soft skill etc. Hence, it was needed to design the programs to fulfill the deficiencies of the students. Though some of the students have good knowledge and good understanding levels they are not in position to avail the opportunities of learning latest technologies due to lack of exposure to career opportunity and training. So, the curriculum is planned in such a way that it enhances aptitude, logical reasoning, and comprehensive skills and to cope up with the industry requirements in current market trends.

### **4. The Practice:**

For the students, the focal point is on developing soft capabilities to develop their efficacy in coping with situations. The college furnishes regular classes on Aptitude, Reasoning, Coding, Soft Skills and Communicative English to incorporate employability skills among students of third and final years of all branches. These are conducted by in house faculty who are well trained and mastered in their concern subjects. The student is encouraged to refer NPTEL videos, e-books etc. The institute regularly conducts workshops, seminars and guest lecture for the betterment of students. Specialized value-added courses are conducted for students by industry and in-house experts which has resulted in our students submitting innovative projects. Thus, a lot of these activities help in making students extra employable and aggressive in the global market.

### **5. Evidence of Success:**

The training programmes for students have given them new academic and communication skills equipping them to face campus interviews and in getting jobs through campus interviews. This has resulted in students getting placed in companies CTS, KGISL, HP, 12 SOFTWARE, VDART, EPSOFTWARE,

FONY TECH, SUTHERLAND, ATOZ TECH, WINNERS EDUCATION, IDBI, AEE BEE ACADEMY, WESTIN ELECTROMECH, GHAZIYBAD, HGS, TECH MAHINDRA, AEGIS, FIRST SOURCE, SUN BUSINESS SOLUTION, RADVIEWTECHNOLOGIES, INFOSYS, ALPHA ASSOCIATES, SPG, BLUEZ INFOMATIC, MECTON, AMAZON, SALIEABS, IBEON INFO TECH, HDFC, FINECONS, DHL, ALTIUS, UGAM, TECHVOLT, TEVEL CYBER CORPS etc.,

### 6. Problem Encountered and Resource Required:

Technological developments are wide and faster in growth. It was difficult to provide training on all advanced trends in technology.

#### Notes

On whole, the college aims to facilitate all the inputs to fortify employability skills, interpersonal skills and technical competence among the pupils. It is a substantiate measurement that employment of the students into various MNC's and other competitive exams has been considerably increasing successively.

File Description	Document
Link for Best practices in the Institutional web site	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

#### Response:

#### Accomplishment of Overall Personality Development

The main objective of Sree Sakthi Engineering College is the pursuit of Academic Excellence with industrial knowledge. SSEC strives to create meritorious professionals to serve the humanity by imparting technical knowledge with industrial exposure. This institution stands alone by focusing greater emphasis on imparting engineering education with self-discipline and overall personality development among budding engineers with respect to ethical, and moral values.

Since its inception, being run by the industry experts, Industry orientation program to explain the relevance of the subjects and various activities scheduled in respective semester, which helps the students for better understanding. The faculty adopting NPTEL videos and other online resources available for better course content delivery as well as quick access to the learning material by the students from our college website, yields fruitful result oriented teaching and learning process.



A diverse array of opportunities is provided to the students to enhance their knowledge beyond academics. Organizing various National level Conferences, Guest lecturers of eminent personalities, Hands on training and workshops, Technical symposium by which the students are exposed to the latest developments in their respective domain. To unleash the concealed talents, students are allowed to organize National level students' symposia and Cultural programmes. These events push the students to excel in their specified interested areas as well. Improvements are visible in terms of student participation in inter-collegiate competitions that include paper and poster presentations, best project competitions, technical quiz competitions etc.

Separate 'Placement and Training cell' under the leadership of placement officer and Aptitude and soft skill trainers is functioning in our institution that ensures the students are well trained and prepared to face their campus interviews effectively. In the regular class time table hours were scheduled for placement and training right from their first semester with a focus on Communication and Aptitude skills, Soft skills and Technical skills enhancement. These efforts of trainings made our institution to achieve 86 % of our students placed in reputed companies in the completed academic year. Positive feedbacks from the recruiters stand as a testimony for our placement training practices.

Membership in 'Professional Societies' is necessary as we strive to stay informed of current developments in our fields of expertise and establish contacts with those who share similar interests and knowledge. Computer Society of India (CSI) and ISTE chapter is functioning in the college which are involved in updating the technical knowledge of the students and faculties by organizing Seminars, Special lecturers by eminent personalities from industries, group discussion and workshops regularly.

SSEC provides the best possible infrastructure facilities for the student community. A few of amenities such as ICT enabled class rooms, well equipped laboratory with latest equipments, 330 computers connected with internet of 50 MBPS speed, well stocked library with DELNET subscription for journals and e-books, etc .

SSEC situated in industrial city Coimbatore and run by the industry management the students often exposed to the industry scenario. Regular industrial visits to the nearby industry and our sister concern industries provides the young budding engineers with knowledge to excel when they are graduating. Major projects done by the students in the final year and in third year are industry sponsored projects.

Sports are given equal importance as academics. Various outdoor and indoor courts make the students strong physically and mentally which indirectly helps to improve their learning skills. Our college teams have won Sporting events in Tamil Nadu including Anna University Inter Zonal Sports Championship and Tamil Nadu Inter Engineering Sports (TIES). Our institution won

SSECs NSS and Rotaract Club strive to invoke the service mind of our students by conducting NSS camp in nearby tribal villages and regular blood donation camps, encouraging visits to orphanages and old age homes. The students enthusiastically participate and mingle with inmates and offer special lunch, sponsored by our management. These activities groom our students to gain an exposure towards downtrodden lifestyle so as to make them responsible citizens.

The vibrant ambiance of the college is highly conducive for the overall personality development of the students, which are envisaged through arranging more industrial visits and training, conducting more number of technical events like Seminar, Workshops etc, more number of Curricular and Extracurricular achievements, more social activities through NSS and YRC club, and more number awards in sports

competitions.

SSEC constantly work towards excellence so as to mould student's career completely in all dimensions.

File Description	Document
Link for appropriate web in the Institutional website	<a href="#">View Document</a>

NAAC

## 5. CONCLUSION

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### **Additional Information :**

The primary objective of this educational institution is to impart value based and industry exposed education to the present and future generations of our country.

All our academic practices focuses on Student centric programs comprising, traditional, contemporary as well as global practices in academic, co-curricular, extra-curricular and sports activities for all round development.

The Quality Improvement Cell is actively functioning in our institution and successfully conducts workshop, Seminars for students with certification.

Our college maintains green campus, free from vehicular pollution inside the campus. College owns mass transport system, all our staff and students are allowed to travel by our college buses.

Our students have represented in National level , University Level and Zonal Level and won medals various games and events.

.Our campus always strives to remain at the forefront of cutting edge technology and scientific research, applicable for betterment of Society. It has a strong infrastructure and labs with state of the art equipment. The campus provides leverage ICT to its fullest for continual improvement of quality and relevance of teaching, research, and academic administration.

With dedicated efforts of the management, faculty, staff and students spanning over ten years, the Institution has made an remarkable progress.

### **Concluding Remarks :**

We have achieved B+ Grade with Institutional CGPA of 2.64 in our first cycle of NAAC Accreditation process and that helped the institution to benchmark the quality parameters criteria and work on to achieve excellence in terms of quality with continuous improvement. After understanding the areas for improvement, we have worked on it and we are now applying for the NAAC Accreditation process with a goal to achieve autonomous status so as to serve better to the student community.

Moreover it also empowers the flexibility of adopting industrial needs and demands into our curriculum to cope with the changes in socio-economic scenario and modern trends in the field of education which gives an edge to our students to compete at global level. In addition NAAC recognition will give better scope in the career search of the students at all levels.

Hence Sree Sakthi Engineering College, in its objective of becoming a Autonomous, initiated the activities to accomplish milestones in the process of accreditation. Having rich academic experience and knowledge percolated over of 10 years, our Institution justifies its deservedness to get NAAC Accreditation with high score and look forward to further process.

We at Sree Sakthi Engineering College certainly believe that the noteworthy growth shown in the past ten years

towards infrastructure, academics, research, co-curricular and extra curricular activities, method of adapting to the challenges of technology and contributions to the local community, would fulfill the expectations of NAAC.

The prestigious NAAC accreditation with improved grade will be a milestone in our history of progress towards autonomous status as well as a moral booster in accelerating our growth towards achieving engineering excellence.

NAAC