

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRI SAIRAM INSTITUTE OF TECHNOLOGY

**SRI SAI RAM INSTITUTE OF TECHNOLOGY, SAI LEO NAGAR, WEST
TAMBARAM, CHENNAI. 600044**

600044

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

SRI SAI RAM INSTITUTE OF TECHNOLOGY (SSIT), one of the premier institutions in Tamil Nadu is approved by All India Council for Technical Education (AICTE), a zenith division of the Government of India. This prodigious institution is located in South Chennai and it is constructed in an area of 38,936 sq.mt. SSIT is an ISO 9001:2008 Certified Institution, which has been pioneered in the year 2008 by a great Philanthropist, MJF.Ln. LEO MUTHU, Managing Director of LEO GROUP OF COMPANIES in the name of “SAPTHAGRIRI EDUCATIONAL TRUST” at Sai Leo Nagar, near Tambaram. It also pictures regularly in the National Institute of Ranking framework (NIRF) in the rank band of 151 to 200.

The institution has an astounding infrastructural facilities with regards to the Smart Class rooms, Project Lab, Workshops, Drawing Halls, Digital library, Computer centers, CAD/CAM Laboratory, Audio Visual Hall, SIGMA Auditorium, Leo Muthu Stadium with A/C Lecture Theatres , Seminar Halls, , Canteen and hostel. The college bestows an excellent Sports court, 24 hours Internet facility, RO Plant as well as stirs extra-curricular activities like NCC, NSS, YRC, Clubs.

The college has six departments in UG (EEE, ECE, IT, CSE, MECH and Civil) and one in PG (MBA), with 196 full time Teaching faculties and 101 Non - Teaching staff. The institution has totally produced 178 University rank holders including two Gold Medalists as well has a good placement record every year. This incredible progress of the institution has been resulted because of the meticulous vision of the management.

Vision

To be identified as a “Centre of Excellence” with high standards of Knowledge Dissemination and Research opportunities and to transform the students to imbibe qualities of technical expertise of international standards and high levels of ethical values, who in turn shall contribute to the advancement of society and human kind.

Mission

We shall dedicate and commit ourselves to attain and maintain excellence in Technical Education through commitment and continuous improvement of infrastructure and equipment and provide an inspiring environment for Learning, Research and Innovation for our students to transform them into complete human beings with ethical and social values.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The institution is certified with ISO 9001:2008.**

- Institution has been listed in the 151 to 200 rank bands by NIRF.
- The college has a splendid infrastructure with outstanding facilities to fulfill the needs of the students in all aspects.
- The institution consistently maintains a constant record of University ranks, good placement and best results.
- Management motivates the students, who excel in academics by exempting their full fee, if their CGPA is above 9.26 and rewards, if they secure above 8.76.
- Students attendance, evaluation process, mentor reports, staff and student profile are done digitally through EDUMATE PORTAL for the easy and effective monitoring .
- The college has established the IEDC (Innovation and Entrepreneurship Development centre), sponsored by Dept. of Science and Technology.
- MoUs with reputed Industries and organisations are signed to bring them strategically closer.
- Dedicated and committed faculty members with an average of 10.88 years of teaching experience.
- The institution conducts Special coaching classes for professional courses such as UPSC /IAS, Civil service of GOI and GATE for the students.
- Many students pursue Post Graduate course in some of the top ranked foreign universities.
- Institution has received ISTE award for the three consecutive years.
- Industrial visits are regularly arranged for our students in organizations like NLC, NARL, SHAR, LENOVA, INDIA CEMENTS, TCS, ICF, INFOSYS etc.
- Students have undergone in-plant training and interns in reputed organizations like Ford, Nissan, Hyundai, TCS, TNEB, BSNL, ZOHO, Amazon etc.
- SSIT has a separate Patent Felicitation centre.
- Workshops, Conferences, Seminars, Symposia are interspersed every year.

Institutional Weakness

- Flexibility in curriculum is not possible. (Being an affiliated institution delays arise in executing curriculum planning wherein the new technologies could not be followed with regards to the curriculum.)
- Intricacy in attracting core companies for some branches of Engineering.
- Difficulty in obtaining Institution- Industry Interaction for all students.
- Obscurity in getting Research Funded projects.

Institutional Opportunity

- The institution has an inevitable Socially recognized institution which is a boon to students' professional growth by continuous placement by reputed industries.
- Quality Education is given to the most needful rural based students.
- Alumni association is formed and it is active in improving the standards of students and the Institution as a whole.
- Orientation programs are organized to develop entrepreneurial skills among students.

Institutional Challenge

- To fulfill the gap between institution and Industrial needs.

- **The impact of engineering courses is less among students due to high competition in all other professional sectors.**
- **Declining of interests among students in joining engineering course as they are diverted to other Professional Courses.**
- **Budding of more number of engineering institutions makes it imperative that students are diverted by the other institutions giving almost false promises.**
- **The rapid growth of various Technologies and Development.**
- **Need of centre of attraction of good grade output students.**
- **Stagnation in the career market.**

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum for the students is prescribed by Anna University, Chennai. In addition, the institution has added the content beyond the syllabus like value added activities, for developing an extra knowledge, proficiency and Entrepreneurship skills.

Knowledge based activities:

- **Skill rack development**
- **Communication and Soft skills development, well – furnished Laboratories**
- **Project Specialization**
- **Stress Management**
- **Planning and conducting effective meetings and reviews**
- **Entrepreneurship Development**
- **Campus Interaction for Training and Placement**
- **Edumate - Students academic performance analysis software**
- **Access of centralised and Digital Library and Moodle Based Learning Management System (LMS).**
- **Maintenance of Course File, Log Books, Lesson Plan, Lecture notes, Master Attendance, Class Log Book etc,**
- **Effective curriculum delivery through sufficient teaching aids like LCD, VIDEO CONFERENCE, NDL and NPTEL.**
- **Industrial visit and Industrial Collaboration**
- **MOUs are signed with recognized Industries and Organizations.**
- **Seminars, Symposiums, Guest Lecture, Workshop for the students**
- **Preparation of Time Table and Question Bank**
- **Effectual communication with parents (eg., Progress Report, Counseling)**

Teaching-learning and Evaluation

- **Standard Admission Policies.**
- **Recruitment of eligible and qualified faculties.**
- **Pre-planned preparation of lesson plans, Time Table and Academic Calendar.**
- **Enhancement of well furnished classrooms, Guest Lectures through experts, Alumni interactions,**

- Seminars, Workshops, mini-projects, Industrial Visit, Internship, Symposiums, Smart Classes.
- Innovation and Entrepreneurship Development Centre (IEDC) Programmes to enhance and encourage the entrepreneurs.
 - Bridge Courses and Special Coaching classes for the weak students.
 - Academic Calendar to ensure the activities of the academic year.
 - Orientation Programmes for the welfare of the students.
 - Quality improvement of faculty by training and research programmes, performance appraisal and feedback.
 - Effective counseling through Efficient Mentors.
 - Gender equity and admission opportunities for differently-abled students.
 - Feedback to plan and execute the teaching-learning method for the satisfaction of the students.
 - Recent trends exposure to the students.
 - Providing better learning and project outcome to enhance effectiveness among students and faculty members.
 - Participation of students in competitions conducted by various organizations viz., CSI, IETE, ISTE, SAE, IEEE, ICTACT, National Instruments, Texas Instruments etc., to encourage their innovative talents.
 - Arrangement of Industrial Visits for the budding engineers to various industries.
 - Industry oriented programmes and certifies courses for the students, to excel in their chosen field.

Research, Innovations and Extension

- The institution encourages the participation of students in competitions, conducted by various organizations viz., CSI, IETE, ISTE, SAE, IEEE, ICTACT, National Instruments, Texas Instruments etc.,
- The Institution has arranged a number of Industrial Visits for the budding engineers to various industries.
- The college organizes the Industry oriented programmes and certificates courses for the students, to excel in their chosen field.
- Memorandum of Understanding (MoU) is tied up with reputed Industries and Institution, to bring them strategically closer.
- Research Development Programs for the students and faculty are organized by the college .
- IEDC regularly conducts three days Entrepreneurship (FD), Technology Based Entrepreneurship Development Programme (TEDP), funded by the Entrepreneurship Development Institute of India (EDI) – Gujarat.
- DST-NIMAT (2014 – 2015) has sponsored an amount of Rs. 6, 00,000 /- for DST-NIMAT Project – Entrepreneurship awareness camp.
- An amount of Rs. 47 Lakhs has been sponsored by DST, Govt., of India for the period 2015 to 2020 to Innovation and Entrepreneurship Development Centre, Grant number: 11/03/2015 NEB(C), 11/03/2015 NEB(G), dated 28th March, 2015.
- The Institution has received the Best Practices award from ICTACT for Entrepreneurship development.
- The institution extends research culture through institution-neighborhood network to fulfill social responsibility.
- The institution has organized a number of workshops/seminars conducted on IPR and Industry –Academia Innovative practices.

Infrastructure and Learning Resources

- An extra-ordinary infrastructure, which is constructed in an area of 38,936 sq.mt,
- Excellent Class Rooms, Smart Class rooms, Central Library, Digital Library –Learning Resource Centre and Department Library, SSR Lecture Theatre for an effective Teaching and Learning Process.
- Well furnished Administrative Office, Board room, HOD's Cabins, VIP Cabin and Rooms of Faculty.
- Air conditioned Seminar Halls, GD & Interview Rooms, Auditoriums, Laboratories, IEDC Cell, Placement Cell, R&D Cell, Examination Cell etc.,
- Well equipped Laboratories with the major equipments and machines.
- Comfortable sick rooms, Yoga & Meditation rooms for all the students and amenities like Gym, Internet, Library facilities for the Hostel Students.
- Availability of indoor and outdoor sports facilities.
- Health care hospitals with ambulance facilities as well Resident Medical Consultant and Psychiatric Counselor for students.
- Bank along with ATM, Local Call system, Courier Service, Reprographics, Stationery store etc are provided.
- Round a clock internet facility with 155 Mbps Speed for more than 654 computers and Wi-fi connectivity with 24 hours power backup.
- Installation of Grid connected solar panels with 50 kW peak power to get the renewable energy source is under process.
- Adequate number of ICT enabled class rooms/Tutorial rooms for each department.
- Centralized computer centre, well-equipped laboratories with exclusive machines and major equipments.
- Well built library with 29,615 books besides the digital library to access e-journals & e-books.
- An Excellent transport facility, which covers all areas.

Student Support and Progression

- The institution has 201 well qualified and experienced faculty and skilled 101 Non-Teaching faculties.
- The Management encourages the meritorious students by providing merit scholarships. So far around 585 students have been encouraged through merit scholarship by the management.
- In the academic year 2016 – 2017, 25% of the students (SC/ST, BC) are benefitted through Government scholarship schemes.
- CSI, IETE, ISTE, SAE, IEEE, IEI Professional Society chapters and various Club activities are launched for the students.
- Sports have been conducted regularly to bring out their inner skills as well to improve the physique of the students. Average of sports and cultural activities/ competitions is organized at the institutional level per year.
- Every year, nearly 90% students from various disciplines are placed in the reputed organizations and many students have taken internship in well-established companies.
- Alumni association functions effectively through Alumni Meet and Guest Lectures, in order to exhibit the latest trends in the chosen field.
- Special coaching for GATE, I.A.S, I.P.S, GRE, TOEFL examinations are arranged for the students.

- Remedial coaching, Career Counseling and Personal Counseling are given to the required students. Soft skills and Language Lab is also provided to the students to enhance the communication, comprehensive and aptitude skills.
- The institution has a transparent mechanism to redress the issues like ragging cases and sexual harassment.
- Vocational Education training is given to the students by all the departments.

Governance, Leadership and Management

- The institution conducts periodical meetings like General Council, Academic Council, MRM, IQAC, Institutional, Staff and Class committee meetings.
- Activities of the Internal Quality Assurance Cell are administered effectively by the institution.
- System of effective financial management of the Institution and Department is maintained by the institution.
- Feedback of the stakeholders is updated periodically.
- Assessment of academic performance is done through Internal & External ISO Audit.
- As per the norms of the AICTE, eligible faculties are recruited by the institution every year.
- The Management and stakeholders have cordial co-ordination as well an excellent administrative system is followed in the institution.

Institutional Values and Best Practices

- CTLP (Cohesive Teaching Learning Practices) and Blooms Taxonomy are followed by the institution.
- Effective Mentoring system is followed to standardize the student's academics and personal life.
- Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., to avoid gender issues.
- 23% of power requirement of the institution is balanced through Green energy source and Renewable energy source.
- The institution has participated in Digital India (Swachh Bharath of India).
- NSS students have approximately planted 15,000 saplings in last five years in areas like New by-pass from Ennore to Vandalore and Sai Leo Nagar. So, the institution has received Green campus award for best Green Practices.
- Employability Skill is inculcated within the graduates through professional and ethical attitude, effective communication proficiency, team work skill, multidisciplinary skills.
- The institution engages the students with perfect learning, good understanding as well as excellent exposure to new methodologies to place themselves in IT industries and Core Companies.
- Regular practice is given to all the students using the software called "Skill Rack" and they are also trained to apply knowledge for analyzing and interpreting data to become a good entrepreneur.
- The institution extends research culture through institution-neighborhood network to fulfill social responsibility through NSS, NCC and YRC.
- The college plans to install the Grid connected solar panels with 50 kW peak power.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	Sri Sairam Institute of Technology
Address	SRI SAI RAM INSTITUTE OF TECHNOLOGY, SAI LEO NAGAR, WEST TAMBARAM, CHENNAI. 600044
City	Chennai
State	Tamil Nadu
Pin	600044
Website	www.sairamit.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K.PALANIK UMAR	044-22512111	9677053338	044-2251232 3	sairam@sairamit.e du.in
IQAC Coordinator	S.MURALI	044-22512333	9442688257	044-4226777 9	murali.mech@saira mit.edu.in

Status of the Institution	
Institution Status	Private

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	29-06-2008

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	View Document

Details of UGC recognition

Under Section	Date
2f of UGC	18-08-2015
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	View Document	10-04-2017	12	Extension of Approval for the 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
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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	SRI SAI RAM INSTITUTE OF TECHNOLOGY, SAI LEO NAGAR, WEST TAMBARAM, CHENNAI. 600044	Rural	27.73	38936

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering	48	Pass in H.sc. or Senior Secondary School Education or Diploma from recognised board or equivalent	English	120	116
UG	BE,Electronics And Communication Engineering	48	Pass in H.Sc. or Senior Secondary School or Diploma from recognised board or equivalent	English	120	103
UG	BE,Electrical And Electronics Engineering	48	Pass in H.Sc. or Senior Secondary School or Diploma from recognised board or equivalent	Urdu,Gujarati,Marathi,Kannada,Malayalam,Oriya,Punjabi,Assamese,Maithili,Bhili\Bhildi,Santali,Kashmiri,Nepal	120	86

i,Sindhi,Kon
kani,Dogri,K
handeshi,Kur
ukh,Tulu,Me
itei\Manipur
i,Bodo,Khasi
,Mundari,Ho
,English +
Hindi,Englis
h + Bengali,
English + Te
lugu,English
+ Marathi,En
glish +
Tamil,Englis
h + Gujarati,
English + Ka
nnada,Englis
h + Malayala
m,English +
Oriya,Englis
h + Punjabi,
English + As
samese,Engli
sh + Maithili
,English + B
hili\Bhilodi,
English + Sa
ntali,English
+ Kashmiri,
English + Ne
pali,English
+ Gondi,Eng
lish + Sindhi,
English + Ko
nkani,Englis
h +
Dogri,Englis
h + Khandes
hi,English +
Tulu,English
+ Meitei\Ma
nipuri,Englis
h +
Bodo,Englis
h +
Khasi,Englis
h + Mundari,

				English + Ho ,English,Ben gali,Telugu, Tamil,Gondi ,English + Urdu,English + Kurukh,Hind i		
UG	BE,Informati on Technology	48	Pass in H.Sc. or Senior Secondary School or Diploma from recognised board or equivalent	English	120	105
UG	BE,Mechani cal Engineering	48	Pass in H.Sc. or Senior Secondary School or Diploma from recognised board or equivalent	English	120	107
UG	BE,Civil Engineering	48	Pass in H.Sc. or Senior Secondary School or Diploma from recognised Board or equivalent	English	60	44
PG	MBA,Manag ement Studies	24	Pass in any Degree	English	60	18

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	7				42				152			
Recruited	5	2	0	7	24	18	0	42	71	81	0	152
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	7				42				152			
Recruited	5	2	0	7	24	18	0	42	71	81	0	152
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				101
Recruited	57	44	0	101
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				101
Recruited	57	44	0	101
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				101
Recruited	57	44	0	101
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				101
Recruited	57	44	0	101
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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.	5	2	0	11	6	0	2	2	0	28
M.Phil.	0	0	0	2	3	0	7	24	0	36
PG	0	0	0	12	8	0	52	60	0	132

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	4		1		5

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
PG	Male	6	0	0	0	6
	Female	12	0	0	0	12
	Others	0	0	0	0	0
UG	Male	325	21	0	0	346
	Female	213	14	0	0	227
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	28	35	34	38
	Female	23	33	34	28
	Others	0	0	0	0
ST	Male	0	2	2	0
	Female	0	1	3	1
	Others	0	0	0	0
OBC	Male	228	302	275	223
	Female	181	231	195	167
	Others	0	0	0	0
General	Male	48	88	91	67
	Female	32	46	75	49
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		540	738	709	573

3. Extended Profile

3.1 Programme

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

Response : 412

Number of self-financed Programmes offered by college

Response : 7

Number of new programmes introduced in the college during the last five years

Response : 1

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2500	2580	2277	1936	1700

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

2016-17	2015-16	2014-15	2013-14	2012-13
538	538	538	497	414

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

2016-17	2015-16	2014-15	2013-14	2012-13
631	609	467	360	337

Total number of outgoing / final year students

Response : 2404

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
196	184	164	143	116

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

2016-17	2015-16	2014-15	2013-14	2012-13
196	184	164	143	116

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
196	184	164	143	116

Total experience of full-time teachers**Response : 2173****Number of teachers recognized as guides during the last five years****Response : 7****Number of full time teachers worked in the institution during the last 5 years****Response : 803****3.4 Institution****Total number of classrooms and seminar halls****Response : 55****Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
1242.58	1451.76	2078.27	1547.15	1494.81

Number of computers

Response : 654

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.8308

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.3813

NAAC

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:

The Institution has developed and practices its extensive action plan for effective implementation of the curriculum through the following measures. Academic calendar is prepared to include internal Assessment test schedule, Unit test schedule, university examination schedule and the department and Institution level activities like association, professional society, Alumni chapters, workshop, guest lecture, conference, symposium etc.,

- Phrasing of objective driven teaching plan at the beginning of every semester.
- Pre- planning of Academic activities and calendar in alignment with the Anna University issued Academic Calendar of Events
- In each semester, subject allotment to faculty is based on skill matrix ,experience,area of specialization and performance in previous years.
- Time table for the entire semester is framed with provision for Value Added Programs,Library,seminar and Project hours.
- Every faculty prepares lesson plan,notes on lesson,question bank,lab manuals for the subject course handled by them in line with the university syllabus and it is uploaded in MOODLE software.
- Teachers can strengthen their knowledge in the subjects listed in the curriculum during summer and winter vacation period by attending the Faculty Development Programmes sponsored by Anna University.
- Course files are maintained by all the faculty members for the subjects handled which contain all the documents necessary for the implementation of the action plan.
- Student's attendance for individual course has been monitored through faculty Log book, Master attendance register and Edumate.
- Unit test, Internal Assessment test and model examination are conducted for both theory and practical courses before commencement of university examination.
- Class committee meeting is conducted to monitor the progress of theory and laboratory courses in line with lesson plans.
- Systematic examination process ,standard question paper, proper and prompt evaluation and dispatching of reports to parents.
- Slow learners are identified based on their test performance and class room interactions, extra support is provided to them through additional input by extra classes.
- Assigning the teaching faculty for mentoring students on academic as well as personal issues to a better learning atmosphere.
- Department conducts guest lectures, seminars, workshops and symposiums through students associations to supplement the curricular inputs.
- Industrial visits are encouraged to provide real time exposure to the students.
- Industrial collaboration and signing MoUs are facilitated to give exposure in practical needs.

- Digital Library with e -Books are available for access.
- Laboratory facilities are developed and additional experiments are conducted for a thorough understanding of the subjects.
- All the laboratories are well equipped and periodically updated to enable the students to gain proper practical knowledge on the theory in line with the curriculum.
- Institution provides teaching aids such as LCD projectors, Video conference room, NDL and NPTEL access for effective curriculum delivery.
- Bridge courses are organized and conducted for all the lateral entry students to understand basic concept of Mathematics and Engineering in different disciplines, as they come from assorted pre requisite eligibility criteria.
- To promote research activities in the departments and also to enrich the potential of faculties to guide students projects by attending various lectures on Research given by eminent professionalists.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 39

1.1.2.1 Number of certificate/diploma programs introduced year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	8	7	6	5

File Description	Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 21.72

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
43	36	32	36	26

File Description	Document
Any additional information	View Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years</p> <p>Response: 38.11</p>	
<p>1.2.1.1 How many new courses are introduced within the last five years</p> <p>Response: 157</p>	
File Description	Document
Details of the new courses introduced	View Document
Any additional information	View Document

<p>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</p> <p>Response: 100</p>	
<p>1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.</p> <p>Response: 7</p>	
File Description	Document
Name of the programs in which CBCS is implemented	View Document

<p>1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</p> <p>Response: 24.98</p>	
<p>1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year</p>	

wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1054	782	495	348	216

File Description	Document
Any additional information	View Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The institution is adopting Anna University curriculum. Also the institution creates awareness among the students by organizing different programs in which the resource persons are invited to deliver lectures on cross cutting issues. The cross cutting issues like gender, environment education, human sustainability values and professional environment ethics are included into the curriculum by organizing seminars, workshops, discussions for the following issues:

Gender

- Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., and so gender issues do not arise.
- International women's day is celebrated , girls are encouraged to participate. Gender Sensitization Discussions, debates and guest talks are organized in the issues related to gender sensitization. Faculty and students have delivered talks on Role of a citizen for women empowerment, opportunities provided by Government to encourage women in science and technology.
- Girls and boys are participated in various co-curricular activities such as paper presentations, organization of paper contests, group discussions and technical quiz programmes. Both boys and girls are made members of various clubs associated with academic, co-curricular and extracurricular activities.
- Institution supports women faculty and students to become member in Women forum club and encourages them to participate in events focusing on women empowerment and promoting leadership qualities in women.

Human Values and Sustainability

- The curriculum includes courses on professional ethics, and human rights.
- Special lectures are also arranged to create awareness on these issues.

- As per Anna University norms an Anti- Ragging Committee has been constituted to handle the issues pertaining to ragging. In addition the undertaking from the parents and students are taken during the admission process which is related to the anti-ragging act and making the campus ragging free. As a result till date no case for ragging is reported.

Professional Environment Ethics

- As per Anna University norms Students have a compulsory course on Environmental Science and Engineering.
- Students are also encouraged to participate in activities like
- The institute has implemented rainwater harvesting, which has saved significant amount of water expenses.
- The Reverse Osmosis Plant installed in the college campus to the drinking water needs of all the Students, Teachers, supporting Staff and the Visitors.
- Active and Passive solar techniques are used in the campus. Personal computers, fans, tube lights and network switch are operated on this solar power.
- Awareness programmes are also initiated by Environment club, ECO and Swachh Bharat Club, NCC, NSS and YRC, which extensively carry out activities for environmental protection and ecological preservation.

The lists of core courses are:

- Environmental Science and Engineering
- Environmental Engineering I
- Environmental Engineering II
- Environmental Engineering Laboratory
- Water Resources and Irrigation Engineering
- Groundwater Engineering
- Water Resources Systems Analysis
- Renewable Sources of Energy
- Environmental Impact Assessment
- Industrial Waste Management
- Air Pollution Management
- Municipal Solid Waste Management
- Disaster Management
- Human Rights
- Earthquake Geotechnical Engineering
- Professional Ethics in Engineering

File Description	Document
Any Additional Information	View Document
Link for Additional Information	View Document

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Response: 31

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 31

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 26.3

1.3.3.1 Number of students undertaking field projects or internships

Response: 670

File Description	Document
Institutional data in prescribed format	View Document
List of students enrolled	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise

A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.59

2.1.1.1 Number of students from other states and countries year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	8	15	11	15

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrolment percentage (Average of last five years)

Response: 87.53

2.1.2.1 Number of students admitted year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
573	758	719	576	569

2.1.2.2 Number of sanctioned seats year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
780	780	780	720	600

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 96.93

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
501	538	538	455	414

File Description

Document

Institutional data in prescribed format

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The Institution identifies the advanced learners through their Academic Performance, class room discussion, Co-Curricular and Extra-Curricular activities.

Advanced Learners:

Advanced Learners are encouraged to

- Participate in group discussions
- Participate in Technical quiz to develop analytical skills
- Improve their presentation skills
- Secure University ranks
- Secure Awards and Prizes in various competition
- Involve in mini projects and research projects
- Publishing papers / projects in symposium
- Publishing papers in Conferences and Journals
- Use digital library resources
- Higher education cell motivates the students to prepare for competitive exams such as GATE, CAT, GRE and TOEFL.
- Best outgoing students are selected - based on their talent in all aspects and motivated every year in college annual day celebration.
- Students are encouraged to enroll in professional bodies like IEEE, IETE, IEI, ISTE, CSI, ICI, SAE, ICTACT, National Instruments, Texas Instruments in order to expose their skills in various events.

- To improve the inter-personal skills of the students several club activities are planned and executed in our Institution.
- Fast learners are motivated and advised to do research activities, apply for project grants, and encouraged to attend Union Public Service Commission Examinations.
- Advanced learners are encouraged to learn more from resources like NPTEL materials and videos.
- The College has a mentoring system in place with respect to the faculty and students ratio of 1:15. Mentors collect and maintain the attendance, internal test marks of every mentees of their class; with these information the students are motivated by the mentors to improve their overall performance.
- Internal test and end semester marks are communicated to parents periodically through progress report. Mentors counsel the slow learners and encourage them by providing class notes, reading materials and solved university question papers to avoid the risk of drop out.
- The students are guided to get First Graduate scholarship, Government scholarship, Leo Muthu scholarship and other charitable scholarships. The management has opportunity to give fee waiver for economically weaker students on merit basis and allowed to pay the tuition fees in installments.
- Real Time examples, Assignments and case studies are given to create interest among students.
- Association activities, Seminar, Assignments, Group discussion induce Interactive learning.
- Simulation software is used to create interactive learning atmosphere.
- A laboratory class makes the student to think independently and understand the practical aspects of theory studied.
- Prototype models are utilized for dealing with complex topics.
- Teaching faculty in general provide constant support and guidance in day-to-day activities.

Slow Learners:

- All slow learners are given academic counseling.
- Motivational lectures are organized for the benefit of students.
- The class In-charge, Mentors looks into details regarding the academic performance, completion of academic requirements, health follow-ups and grievances, if any.
- They also interact with the parents on issues related to academics, and progress of students.
- Tamil medium students and vocational students have been motivated through counseling and coaching classes.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio

Response: 12.68

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls**Response:** 0.08**2.2.3.1 Number of differently abled students on rolls****Response:** 2

File Description	Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
List of students(differently abled)	View Document

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:**

- Students are the first and foremost stakeholders of the college.
- If the needs of this level are met, it ensures that the other dependent, subsequent stakeholders' expectations are also met.
- The Vision and Mission of the institution have been prepared with this agenda.
- The teaching learning process -is student centric by default and sufficient space is provided in academic plan.
- The institution has adapted to Outcome Based Education (OBE).
- OBE is recognized as a modern method for teaching-learning process.
- For OBE to be successful, it is imperative for teachers to comprehend the advantages of OBE and develop / modify resources.
- The college has mooted initiatives to implement OBE successfully.
- In the start of the session fundamentals are taught and for better understanding of the subject, tutorial classes are conducted as per the curriculum prescribed by the university.
- Doubts and personal difficulties regarding the subject are solved in tutorial classes.
- Extra classes are conducted for full coverage of the syllabus where the involvement of the students is fully ensured, which results in the interactive teaching learning process.
- Efforts have taken through curricular, co-curricular and extra-curricular activities.
- Sports, games and physical education have been initiated in the institution for the students' all-round development.
- Students are counseled and encouraged to go for competitive examinations like GATE.

Experiential Learning

- The teachers use the following support structures and systems: For interactive learning - Student seminar, projects, paper presentations, group discussions have been streamlined in the institution.

- Students projects, Internship, Hackathon competitions.
- Infrastructure for ICT enabled teaching and learning.
- Air conditioned seminar halls with the precise ambience for conducting seminars, workshops and guest lecturers for interactive learning. Guest lectures and interactive sessions with successful alumni are organized for each semester.

Participative Learning:

- For collaborative learning participation of students in seminars, workshops, quiz competitions are encouraged.
- Students Association is been formed.
- Interdisciplinary projects are encouraged.
- Industrial visits are organized for each semester.
- Use of audio-visual aids for better learning and understanding.
- Facilitating internship in industries and companies for collaborative learning process.
- For independent learning ample computer facility with internet connection and Wi-Fi connectivity for fast and precise access of information for independent and interactive learning.
- Facilities to students for preparing charts, posters and models for Technical Exhibition.
- Well-equipped digital library with access to e-journal, NPTEL and DTEL learning.
- Resources and direct access to the library resources through OPAC for independent learning are encouraged among the student community.
- Industrial collaboration by signing MOUs is facilitated to give exposure in practical needs.
- A laboratory class makes the student to think independently and understand the practical aspects of theory studied.
- Simulation software is used to create interactive learning atmosphere.
- Participate in Technical quiz to develop analytical skills.

Problem Solving Methodologies:

- The Institution provides sufficient teaching aid (LCD projectors, Video conference room, and NPTEL access) for effective curriculum delivery.
- Faculty makes use of models, graphs, power point presentation through ICT tools to present the content in the syllabus.
- Tutorial classes are to be arranged to increase problem solving methodologies.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 97.51

2.3.2.1 Number of teachers using ICT

Response: 196	
File Description	Document
List of teachers (using ICT for teaching)	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues	
Response: 14.99	
2.3.3.1 Number of mentors	
Response: 170	
File Description	Document
Any additional information	View Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning	
Response:	
<ul style="list-style-type: none"> All the departments are affiliated to one or more of the professional societies such as programmes enhance critical thinking of the students. All the departments have students associations through which they organize various programmes, to develop organizing and leadership qualities of the students. The programmes organized by the associations are shown in the below given table. 	
Particulars	Year / frequency of occurrence
Guest lecturers in emerging technologies	Two per semester
Student seminars	Regular
Workshops	Once in a semester
Technical quiz	Regular
Paper presentation competitions	During II year
Innovative mini project competitions	During II / III / IV year
Innovative project competitions	During IV year
National level symposia	Once in a year
National / International conferences	Once in a year
<ul style="list-style-type: none"> The students are guided and motivated to participate in technical events conducted by reputed institutions and industrial organizations such as Anna University, IITs, and TCS etc. IEDC invites innovative project proposals and sponsors few projects, based on the merit / innovativeness / social relevance. 	

- Eminent personalities from industries and academic world are invited regularly through IEDC, Alumni association, Department associations, which provides learning platform for students for sharing effective knowledge and gaining knowledge.
- Our institution has signed MOUs with different companies in different regions of India for enhancement of student learning activity which enhance knowledge creation and application through mini projects and certifications.
- A well-equipped library with national and international journals. Digital library facilitate global knowledge acquisition. A library period per week is allotted in the time table for the students.
- Students are also motivated to go for summer training, internships (or in plant training) in the leading industries and research institutes which provide an insight into real life challenges and operational difficulties in industries.

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
List of the faculty members authenticated by the Head of HEI	View Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 6.76

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
28	13	9	5	4

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience of full time teachers in number of years

Response: 10.81

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 1.45

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	3	1	2	3

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 2.93

2.4.5.1 Number of full time teachers from other states year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	6	3	3

File Description	Document
Any additional information	View Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

- The institution strictly follows the evaluation procedure prescribed by the affiliating university. The evaluation weightage is 20% for continuous assessment tests and 80% for the end-semester.
- The academic calendar for each semester is prepared in line with the University schedule of events, which provides the information on scheduled timetable for internal assessments, model examinations and the tentative schedule of University practical examinations; in regard to this the students can plan the course of action.
- The question paper pattern for the internal examinations have been standardized by the institution, similar to that of University end semester question paper containing Part A, Part B and Part C questions as applicable.
- Internal assessment I covers Unit I and II, Internal assessment II covers Unit III and IV and model examination covers the entire syllabus of a particular course.
- With regards to the tests, faculties prepare 3 sets of question papers which they give to the exam cell, wherein the Head of the Institution select a question paper from the set and it is distributed to the students at the time of assessment.
- Student marks are intimated to the students immediately after the completion of assessment and the same is communicated to their parents through posts/sms.
- Retests / Improvement tests are conducted for students who fail to secure minimum percentage of marks / who want to improve their internal marks, for that a special timetable is framed.

The academic performance of the student and attendance of the student are maintained and recorded in each department through Edumate Web portal / Online web portal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The institution is affiliated to Anna University, Chennai and the process of evaluation is followed as per the university guidelines. The process is transparent and is communicated to the stakeholders, students, faculty and parents by structured mechanisms.

- The evaluation process which includes attendance stipulations, internal assessment marks, pattern of end semester examinations are printed and distributed to all the students.
- Induction day for fresher's serves as the best platform to communicate the process of evaluation system followed by the institution to all the parents, staff and students, which enhance the need for

strict adherence to the stipulations.

- Regular interactions of HODs and faculty with the students during department meetings, class committee meetings and counseling sessions are regularized for better understanding between staff and students.
- At the beginning of each semester, HODs convene staff meeting to disseminate information on any changes in evaluation / assessment system.
- The marks awarded to the students in the continuous assessment tests and the attendance percentage are communicated to parents through post by the institution, which is accessible through the website of the affiliating university.

(www.coe1.annauniv.edu).

- Any change in the schemes of evaluation, updates on curriculum revision, alterations in the question paper patterns are conveyed to the students and the faculties through circulars received from the University and the same is displayed in the University webportal (www.coe1.annauniv.edu).
- During student counseling parents are also informed about the Anna University web portal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

- The performance of the students is informed to the students immediately after the completion of assessment tests.
- The students who have any grievance in the evaluation process can approach the faculty member who had evaluated the answer sheets for any discrepancies in the mark.
- The students can approach the head of the department with their grievance, when it is not sorted out by the faculty concerned.
- The University provides the students with an option of obtaining photocopy of their answer sheets after the declaration of results.
- The student can review his / her answer sheets and apply for re-evaluation on the recommendation of the subject handling faculty.
- If a student is not satisfied with revaluation results, he / she can go for a review with the recommendation by the head of the department and Principal.
- Challenge evaluation fee is reimbursed by the University to the students in case of improvement in the grades in comparison to the first evaluation.

Other type of grievances like data missing in the question papers, question asked from outside the syllabus, question paper being tough etc., are communicated to the controller of examinations by the concerned faculty through the web portal on the same day of the conduct of examination, which is approved by the HOD's concerned and the Principal for necessary action.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

- The academic calendar provides the date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations etc. The time table is prepared well before starting of every semester to avoid any shortfall in syllabus coverage.
- The Lesson Plan is prepared by the faculties individually with details like Unit wise topics, number of teaching classes allocated for each Unit.
- During the interaction with the students in the Class Committee meeting the objectives of each subject are explained by the respective faculty handling the subject and the Chairperson of the meeting. The expected outcome from the student is also explained clearly.

Syllabus completion is tracked through periodic checking of lesson plan sheets, class committee meetings, record of class work and Department meetings.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

- The institution strives to become the most preferred destination for holistic education to meet the industry demands.
- The vision and mission of the institution emphasize the development of wholesome technocrats with discipline and integrity.
- Each department has its own vision and mission statements which are mapped to the vision of the

institution.

- The vision and mission of the institution are given in the prospectus, information booklets issued, college website and displayed at the entrance of every department building.
- Effectiveness of teaching-learning process can be measured through learning outcomes which in turn are measured through the achievement of Programme Outcomes (PO) and course outcomes (CO).
- Every department has well defined Programme Education Objectives (PEOs),

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Attainment of (Cos) Course Outcomes is narrower statement that describes what students are expected to know, which will be able to do at the end of each course. COs relate to the skills, knowledge and behavior that students acquire in their curriculum through the course. In a university affiliated college, the CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. In the university to which the institution is affiliated will have, three internal assessment tests are conducted for each course in a semester. In each test, the percentage of students who achieve a set target (usually, 60% of the maximum marks, i.e., 15 of 25) for the COs that are covered is computed. After the three tests, the average of these percentages is computed to decide the attainment level.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 94.14

2.6.3.1 Total number of final year students who passed the university examination

Response: 2267

2.6.3.2 Total number of final year students who appeared for the examination

Response: 2408

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Response: 32.6

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
14.35	16.35	0.4	1	0.5

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 3.48

3.1.2.1 Number of teachers recognised as research guides

Response: 7

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.03

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 22	
File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The Institution has created an ecosystem for innovation by establishing the Research and Development Cell and The Innovation and Entrepreneurship Development Centre (IEDC) for creation and transfer of knowledge.

At Sri Sai Ram Institute of Technology, R&D is pursued with the following objectives:

1. To acquire new scientific knowledge.
2. To design novel methodologies in all the fields of Engineering and Technology.
3. To develop new tools and techniques to expedite problem solving with special emphasis on rural and socially relevant issues.

Besides R&D Cell, the institution is being flourished by The Innovation and Entrepreneurship Development Centre (IEDC). The IEDC is an initiative by National Science and Technology Entrepreneurship Development Board (NSTEDB) funded by Department of Science and Technology, New Delhi was launched in the year 2015 . IEDC offers financial support every year to promote novel ideas and develop innovative products within the student community and teaching fraternity. From the year of establishment the cell is consistently conducting the Entrepreneurship Awareness Camp (EAC), Faculty Development Programme and Technology based Entrepreneurship Development Programme (TEDP) funded by Entrepreneurship Development Institute of India (EDI) .

Centre of Excellence

1. Research and Development activities on Robotics Engineering :

The robotics lab will act as an Innovation hub for incubating exciting B.E. projects. e-Yantra is an initiative by IIT- Mumbai. This initiative is to create an eco-system at the colleges to impart effective engineering education and is sponsored by MHRD under the National Mission on Education through ICT

program.

e-Yantra Lab Setup Initiative (eLSI) is a college level program under which colleges are encouraged to setup robotics labs. eLSI provides guidance and support for establishing robotics labs. This is the good opportunity for our students to enhance their technical skills by participating in the national level initiation by e- Yantra.

2. Internet of Things Lab

Internet of Things Centre of Excellence is a research platform exploring the potential of crowd sourcing and Internet of Things for multidisciplinary research with more end-user interactions. It gives the power to the crowd to be at the core of the research and innovation process. It gives you the power to change the world and the way we understand it.

IoT Lab helps the students in providing a good learning environment and also work with real time problems faced in day to day life. It also enhances collaborative learning and also will help in getting much knowledge in multi disciplinary streams irrespective of the course taken by them.

Each team coming up with some idea is supposed to have a brain storming session and the idea has to be presented to the rest of the teams and then students start working with the design and also various components that are supposed to be used and any other cost reducing alternative which are present and then only the students work in a modular way and the final output is obtained.

3. Oracle Lab

4. Redhat Linux

5. Big Data

6. Auto Desk

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 45

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-

Academia Innovative practices year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	13	6	6	1

File Description	Document
List of workshops/seminars during the last 5 years	View Document
Report of the event	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 1.57

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 11

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.16

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	25	28	23	30

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

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

Response: 0.17

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

2016-17	2015-16	2014-15	2013-14	2012-13
59	24	12	18	25

File Description	Document
Any additional information	View Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Extension activities in the neighbourhood community

- The institution extends research culture through college-neighborhood network to fulfill social responsibility.
- In our institution we always motivate our students to do innovative projects which solves social problems and meeting the essential needs through IEDC project scheme and academic projects.
- A maximum of five such new project(s) would be supported in a year. The projects may be students projects with students' involvement with a high degree of innovation in them.
- As a part of the extension activities which emphasizes community services, Sri Sairam Institution of Technology – N.S.S. Unit – provides free medical aid, supplies food for the people who are affected during natural calamities like flood, heavy storm, etc.
- Apart from this our NCC unit has participated in the Coastal Cleaning Camps on the International Coastal Cleaning day. From time to time the Institution also organizes various health and family welfare awareness programme in nearby village and distributed Nelavembu Kasaayam in order to prevent fever like Dengue.
- These events were organised both on the premises of Sri Sairam Institute of Technology and outside the premises. The students are involved in organizing these camps.
- A large number of lives have been touched through the various events organised by this organisation since its establishment ranging from economically deprived people to people who are deprived socially.
- Blood donation camps in collaboration with VYF, Lions Club, Sri Sairam Medical College, Madras Volunteers Blood Bank are a regular feature.
- Many of these events were covered by the leading newspapers and news channels. The huge response and success of these events exhibits the effort and sincerity of intensions of the members. Our NCC unit also thrives to keep up the spirit and performance.
- To proffer solution to the impending challenges that micro and small scale businesses will face in a cashless society our NCC unit has conducted an awareness programme on Cashless Banking to Small Scale Vendors besides participating in many of the socially sensitizing programmes related to Swachh Bharat, Tree Plantation, Yoga, ,save water awreness rally ,Seminar on Nation Building.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 7

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

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	0	0	3

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 62

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

2016-17	2015-16	2014-15	2013-14	2012-13
21	14	11	11	5

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Reports of the event organized	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids

Awareness, Gender Issue, etc. during the last five years**Response:** 39.4

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2478	808	649	737	0

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	View Document
Report of the event	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 162

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
33	22	54	30	23

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions of national, international importance, other

universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 16

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	7	5	1	2

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

Classrooms and Seminar Halls

The institute regularly updates the physical infrastructure to meet AICTE / Anna University requirements. In Overall, the college has 66 classrooms/Tutorial Rooms, 48 spacious laboratories for all the six UG and one PG programmes. Modern laboratories are established in the institution for the conduct regular practical classes. The Institute has improved the teaching-learning process with contemporary aids and created **12 Technology Enabled Classrooms** with LAN/Wi-Fi facility, LCD projectors etc., The smart class rooms and seminar Halls are used to conduct the special programmes like seminars, workshops, symposiums etc.

Computing Equipment

Round-a-clock internet facility with 155 Mbps speed is available in the college campus with modern computing facilities of 650 computers and 4 servers with specialized softwares with LAN/WI-FI connection. The students can utilize the system during the lab hours, to their academic needs.

TAP Cell

Training and Placement Cell, functions throughout the year towards generating placement and training opportunities for the the prospective students to achieve 100% placement in the campus selection programmes. The placement cell coordinates quite well with the corporate sector and provides well-developed infrastructure to facilitate the campus selection programmes.

IEDC

The Innovation and Entrepreneurship Development Centre (IEDC) is an initiative to create entrepreneurial culture in academic institutions to foster the growth of innovation and entrepreneurship amongst the faculty and students.

Library

The college has an automated library with 29615 volumes of books on different disciplines, with separate section for the international and national periodicals, to provide an effective learning resources to the students.

Generator

Besides, a standby power generator 250 KVA is available in the campus to take care of the occasional power shut down due to maintenance.

Facilities for the disabled students

The campus has ramp and lift facilities to facilitate the differently abled to move by the wheel chair, without any difficulty. Special provision for these students to write the university exam in the close proximity of the Exam Cell and scribe for the visually disabled students is provided.

Transport

The College is easily accessible from Tambaram Railway Station by the state operated transport service and in addition, 151 buses are operated to the needs of both staff and students, which covers most of the areas in and around Chennai to reach the college in time.

Bank and ATM

Central Bank of India, Pallavaram branch is sited within the campus, along with 24 hours ATM Service, to enhance the banking facility for the students and Staff.

Large construction works has been carried out for the last seven years which includes the following facilities:

1. LeoMuthu Stadium and Sigma Auditorium have been completed.
2. IEDC and Career Development Cells have been created
3. Sports facilities with Gallery and Pavilions, Synthetic Courts with Flood Lights are created.
4. Amenities like Stationaries, Aavin, Tiffin Centre and Xerox Shop have been constructed
5. Central Library Block is under construction

File Description	Document
additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor) gymnasium, yoga centre etc. and cultural activities

Response:

Sports and Games

The institute provides an excellent facilities for sports with an extra-ordinary Physical Director to train the students. Courts/fields with a total of 105,624.13 sq.m are available for the sports activities. The institute has a modern indoor sports complex as well as facilities for outdoor sports such as Basketball and Tennis alongwith an international standard cricket ground and football field. For Sports, besides spacious play fields and courts for outdoor games, there is a Sports Centre housing a basketball court with an

international standard, two squash courts, a spacious hall for a number of indoor games and two fitness centre's separately for boys and girls.

Yoga Center

Yoga is an art which connects our soul, mind, and body together makes us strong, flexible, peaceful and healthy, gives us relief from countless ailments at the physical level. The practice of the postures strengthens the body and creates a feeling of well being. Yoga is a journey to self discovery; it increases self awareness and mindfulness. Practicing yoga might improve quality of life; reduce stress; lower heart rate and blood pressure; help relieve anxiety, depression, and insomnia; and improve overall physical fitness, strength, and flexibility.

In our college campus we have started Yoga Center at the year 2012 to enlighten our students and Faculties .Through yoga center we have organized many programs every year for the welfare of students to sharpen the intellect, improve concentration and steadies emotions. Every year June 21'st, international yoga day is celebrated to create awareness among the students.

Gymnasium

The recreational facilities for the students like gym facilities is created in the Leo-Muthu auditorium, with comfortable atmosphere provides a pleasant background in which regular exercise and relaxation becomes a real pleasure, in a friendly & intense atmosphere. The gym provides a variety of equipment which caters for almost all sporting needs of the students workout for maintaining the general level of fitness. The Gymnasium has good infrastructure with well equipped machines for physical fitness. A qualified trainer is available in the gymnasium for the support of students.

Cultural Activities

Every year, Sri Sai Ram Institute of Technology has a vibrant celebration of SITFEST - College and Cultural Day. The main aim of the institution is to encourage the student's multi -talents in various aspects, apart from academics. Cultural Theme is given to the students every year and the students give life to the theme through their fantastic job of excellence. During the cultural festival, talents of the students are established through on-stage and off-stage events like Solo Dance, Group Dance, Solo Singing, Group Singing, Mime, Essay Writing, Vegetable Carving, Rangoli etc. Through healthy competition, incredible performance of the students from various disciplines is recognized on that special occasion. Renowned Celebrities honor the day and distribute the prizes to the winners of the various events (both on-stage and off-stage). In addition to it, the college also organizes Light Music by famous music troupe to entertain the students.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class,

LMS, etc

Response: 30.91

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 17

File Description	Document
any additional information	View Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 42.46

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
210	515	1215	690	850

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

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

Response:

Sri Sai Ram Institute of Technology (SSIT) Library is automated with AutoLib software, Version 5.2, purchased from AutoLib Software Systems in the Year 2008. AutoLib, an Integrated Library Automation Management software, is an ILMS to materialize the needs of the Librarian and the user. The functions of the AutoLib software are grouped into three main categories Viz. standard modules, Advanced Modules and Web Modules. Standard Modules includes Database Management (Cataloguing), Search (Online

Public Access Catalogue), Circulation Management (Transaction), Report Management and System Administration. Advanced Modules includes Acquisition Control System (Book Ordering), Serial Control System - (Journals), Article Indexing, Question Banks, Online Stock Verification and Student Gate Entry Register. Web Modules includes Web Library, Web Counter Reports and E-Resources Linking. In the year of 2016-2017, SSIT Library subscribes 114 National and International Journals. In general, SSIT Library has uploaded 29615 volumes of books in 7924 titles on different disciplines like Engineering, Management, Technology and Science & Humanities in the AutoLib software.

The important features of the Standard Module of AutoLib, ILMS Software is mentioned below:

I Database Management - Cataloguing

This module allows to create, update/edit and maintain the following databases.

- Books, Book- Bank, Thesis, Proceedings, Standards, Conference Proceedings- Reports, Patents, etc.
- Journal- Issues, Articles, Bound Volumes
- Non-book materials/ CD, Video/Audio tapes, Microfilm, Microfiche, Newspaper clippings
- Members, Departments, Courses, Groups
- E-Books - Digital Content
- **Authority List** - Authors, Publishers, Suppliers, Subjects, Keywords

II Search (Online Public Access Catalogue)

This module is designed to search all the **above databases** using important fields and print the search results in any desired format/order. This module has:

i. Simple Search - (for beginners)

ii. Advanced Query Builder (for experienced users)

iii. Restricted Search – to search letter by letter

III Circulation Management - Transaction

This module is designed for all types of counter transactions (for all documents types) such as:

- Issue/Renewal /Return/Recall
- Reservation / Reservation Cancel
- Reminders/Overdue receipt/No-due certificate
- Overdue reports (based on many criteria)
- Statistics/Reports for all counter transactions (daily/weekly/monthly/between specific dates).

IV Report Management

This module is designed to generate report and print a large number of reports. All types of statistics/reports for the management can be generated for AICTE/NBA, UGC/NAAC, and IMC.

V System Administration

This module allows to:

- Create new user log-in, password and grant **rights** to access various modules
- Create group master – to set due date, allowed cards for different documents for different groups of users globally
- Set overdue charge at various stages/holiday
- Maintain budget master
- Back-up, export and import of data
- Update database globally using various fields
- Generate graphs, Pie Charts etc.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The college has an fully automated central library and all the department has its own departmental libraries. The central library has a good collection of books with a count of 29615 volumes of books in 7924 titles on different disciplines with separate section for both 114 International and National periodicals , 904 student's project reports, 647 back volumes, 6256 e-journals , 3000 non book materials etc., Our College has the practice of collecting and maintaining rare books, special reports and other knowledge resources to the benefit of students and faculty members for their knowledge enhancement and their research activities. Overall, this library has a collection of 672 rare books, including special reports and knowledge resources for Reference, Higher Studies, Career Development, and Project & research purpose. A separate reference section supplies with the collection of books for GATE, GRE, TOFEL, IELTS, Competitive Exams and Tamil books. Apart from this, it also provides other knowledge resources like E- learning resource from National Programme on Technology Enhanced Learning (NPTEL), Working models, and Open resources from National and International universities like IIT, MIT.

These special collections help the readers in all aspects and the details are attached to the additional information section file below.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in lakhs)

Response: 17.68

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
17.86	15.55	15.42	15.12	24.43

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library**Response:** Yes

File Description	Document
Any additional information	View Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students**Response:** 12.26

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 337

File Description	Document
Any additional information	View Document
Details of library usage by teachers and students	View Document

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

In the entire campus together with college and hostels, all the computers are connected by the LAN/Wi-Fi by 155 Mbps speed capacity broadband provided by Tata Teleservices Ltd. Surplus ethernet ports are provided over the campus, for laptops / devices in need of internet connectivity. Previously from years 2011 to 2016, the institute maintains its internet facility with 15 Mbps speed. The Computer laboratories are equipped with state-of-the-art technology and is available to all the staff and students. The college has 10 wifi hotspots with an extent to cover the area through out the college. Fortinet firewall softwares, prevent unauthorized access to/from the private network to prevent the unauthorized Internet users from/to accessing private networks connected to the Internet, especially intranets.

Our college has 654 computers, 4 servers and all the departments have software packages as per the curricular needs. The institute upgrades the software packages and also purchases software's currently being used in the industry to make the students, industry ready. A separate team with inhouse staff are informed to take care of the IT related needs of the campus such as hardware and networking, website designing and hosting, e-mail solutions, sms solutions etc.

Updatations in IT and Wi-Fi Facilities are mentioned below.

IT and Wi-Fi Facilities

Servers

1. 1 Number of Intel Xeon 4C E5 2609 Quad Core 2.5 Ghz/10 MB. 1333Mhz/ 8gb 1TB 2.5 8 HDD/SATA/MULTIBURNER RAID 01 IN BUILT M5110 CARD on 31.01.2017
2. 2 Numbers of Lenovo server X3650 M5 two way rack intel xeon E5-2630V4 (10 Core) processor 2.2 GHz, 25MB Cache 32 GB Ram, 2TB HDD, Server raid M5210 DVD-RW on 10.03.2017

Nodes

1. 60 Numbers of Intel Core I3 - 3220 processor (3030 Ghz 3 MB / 4GB Non Ecc DDR3 1600 Mhz SD RAM memory 500GB, 7200 Rpm 3.5" Sata hard drive, dell 18.5" LED monitor on 01.07.2013
2. 10 Numbers of Core i3-3220 Processor 4GB DDR3 DRAM Memory 500GB HDD Dell 18.5" LED Monitor Dell, on 01.07.2013
3. 2 Numbers of Intel core I3, 3220 Processor (3.30 Ghz), Dell, on 30.08.2013.
4. 1 Number of HP OMUI 105 - 55101 X (20") Config / Intel core I3 2130 processor / 2GB DDR3 / 500 GB HDD / DVD / R/W / 1GB HD on 26.05.2013
5. 100 Numbers of Core i3 _3220 processor, 4GB DDR3 Ram, 500 GB Hard disk, dell 18.5" LED Monitor, Dell USB Mouse, Dell USB Keyboard on 14.01.2015
6. 10 Numbers of Dell Desktop Vostro 3800, 4th Gen Core I3 Procesosr/ 4 GB RAM/ 500 GB HDD/ Keyboard with Mouse, DVD RW / 20' Dell Led Monitor on 12.03.2015
7. 10 Numbers of INTEL(R) Core(TM) i3-4160 CPU@3.60GHz 4GB(3.42 GB usable) on 07.07.2015

Wi-Fi

Wi-fi access points were installed in various locations also the wi-fi access points are updated constantly during regular intervals as and when required

Location-Hostel

Ruckus Zone Flex 2741- 2012 model

Ruckus Dual Band 7363-Updated in 2013

Ruckus Zone Flex 7372-Updated in 2014

Ruckus R510-(2017)

Location-College

Ruckus R510- (2017)-(4)

Ruckus T610 Outdoor (6)	
File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio	
Response: 3.9	
File Description	Document
Any additional information	View Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
<5 MBPS	
5-20 MBPS	
20-35 MBPS	
35-50 MBPS	
Response: >=50 MBPS	
File Description	Document
Additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)	
Response: Yes	

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 30.41

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

2016-17	2015-16	2014-15	2013-14	2012-13
515.82	461.64	691.16	425.26	268.74

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

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:

Procedure for Utilization and Maintenance of facilities (Physical, Academic and Support)

Class Rooms/Laboratory

The physical facilities like Laboratories, Classrooms, Library and Sports Complex are made available for all the students admitted to the college. Utilization of the classrooms is facilitated to the students and it is also made available to the other governmental / non-governmental organizations for conducting the exams in the summer/ Winter Vacations / Leave time. Classrooms and laboratories are maintained by House Keeping under the supervision of Non-teaching Staff / Floor Supervisors. The masonry and plumbing works are done with local skilled persons and the expenditure is incurred from Maintenance. Lab equipments are serviced by manufacturers and service personnel during summer / winter vacations. Stock

register is also maintained regularly.

Computers

The college has an adequate number of the computers with high speed internet connections and the software's are distributed in different locales like office, laboratories, library and departments. Computers are maintained by internal Staffs. Each laboratory has an assistant, who ensures for the proper use of the computers and hazardous equipments are handled with care by them.

Library

The working hours of the library is from 8.30 a.m to 6.00 p.m on all working days and from 8.30 a.m to 4.00 p.m. on holidays. Maintenance activities is made by the college management periodically to keeping library clean. The activities like fumigation, preservation of books from insects, dusting and shelving of reading materials promptly on regular basis by the housekeeping /Library Staff.

Training Classes

Special Training is provided by experts for competitive examination such as GRE, TOEFL, GATE and Placement Training to students for competitive exam as well to motivate them for debates/ group discussion for placement.

Sports Complex/ Activities

Excellent infrastructure is provided for sports with Synthetic/ outdoor/ indoor Courts and 400-meter running track. Through best practices, the students outshines in the field of sports. The play field are properly maintained by the markers throughout the year. The play field equipment like post, umpirestand, score boards are also maintained regularly. The college uses some labourers for daily wages to keep the play field clean and good condition during the tournaments and sports day celebrations. The markers control the play equipment like ball, bat, net etc., provided to the students and to collect it back safely and register them in the Equipment movement register

Power Supply and Electrical Maintenance

Power supply is maintained by our regular staffs through proper system and electricity is maintained by electricity board/ captive gensets for 24hours. A Kirloskar-Make power generator (250-KVA) is installed in the campus to handle the occasional power shut down, is under AMC by M/S Network Diesels, an authorized Dealer of Kirloskar.

Garden Maintenance

Tree plantation and garden maintenance are done by the gardener appointed by the institute. NSS, NCC, YRC maintain certain areas of the college clean and for planting of trees, certain areas are allotted for each departments to maintain the trees and campus clean and green.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

NAAC

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 the last five years

Response: 46.81

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

2016-17	2015-16	2014-15	2013-14	2012-13
1240	1168	1100	930	728

File Description

Document

Any additional information

[View Document](#)

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

[View Document](#)

upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 6.26

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
128	134	148	132	130

File Description

Document

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

[View Document](#)

Any additional information

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Any additional information	View Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 45.2

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

2016-17	2015-16	2014-15	2013-14	2012-13
1350	1204	1064	800	634

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Response: 36.65

5.1.5.1 Number of students attending VET year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1063	956	860	705	501

File Description	Document
Any additional information	View Document
Details of the students benefitted by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Any additional information	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document

5.2 Student Progression

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

Response: 80.17

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

2016-17	2015-16	2014-15	2013-14	2012-13
511	518	372	285	256

File Description	Document
Self attested list of students placed	View Document
Any additional information	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 23.3

5.2.2.1 Number of outgoing students progressing to higher education

Response: 147

File Description	Document
Details of student progression to higher education	View Document
Any additional information	View Document
Upload supporting data for student/alumni	View Document

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

Response: 48.67

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
09	31	18	09	04

5.2.3.2 Number of students who have appeared for the exams year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
32	48	28	18	11

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Upload supporting data for the same	View Document
Any additional information	View Document

5.3 Student Participation and Activities

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

Response: 111

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

2016-17	2015-16	2014-15	2013-14	2012-13
30	46	12	15	8

File Description	Document
Any additional information	View Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Students of Sri Sai Ram Institute of Technology have been fortunate enough, because the college provides various opportunities for the welfare of the students to outshine in other fields apart from academics. Every year, the students have taken as interns in the following companies: Inautix Technologies, Amazon, Zoho, Urjanet etc. Hence, every year nearly 90 % of the students are placed in these reputed organizations. The students are also exposed to the new version of soft skills to develop the language and career development skills. These practices help the student to have self confidence and self development. Apart from this, CSI, IETE, ISTE, SAE, IEEE, IEI Professional Society Chapters and various club activities are launched for the students. The students also attend the special coaching classes for GATE, I.A.S, I.P.S, GRE, TOEFL examinations with a view to excel in other professions also. Research activities are also encouraged by the R&D cell and so many students have been successful in their respective research field. Department of Science and Technology, New Delhi has funded Rs 44 Lakhs to IEDC cell, for the improvement of the emerging Entrepreneurs. So, the students have taken their chances through innovative projects, with a purpose to become an active Entrepreneur. The students are also member in IQAC. Further, to solve their problems in academics, class committee meetings are conducted periodically. A.P.J Kalam Innovation Ecosystem has been organized for the welfare of the students.

Apart from this, the students are motivated through self – learning aspect by providing courses like NBTET, MOOC in the Library and Digital Library. As well, the students actively participate in HAKTHON, INNOTHAN, SYMPOSIUM, WORKSHOPS, TEDX Sairamit and have proved their talents by winning many awards. International conference has also been conducted and the students have also actively participated in stress free programmes and Yoga programmes in order to have stress – free life. NSS, NCC and YRC committees are organized in order to make the students to excel in these fields and thus, every year, students participate actively in these committees in order to serve the society. Apart from this, the students actively participate in, Sports, Cultural Committee, Magazine & Newsletter, Committee, etc., ‘Swachh Bharat’ program- clean India has been organized by NCC Cadets and the function has been celebrated. YRC has organized the Organ Donation Camp. These programs have been organized in order to create social awareness among the students. Sports play an importance role in the college because, the student’s inner skills in these extra- curricular activities are brought out through sports.

In addition to this, the students also understand their role and take part in symposium as Chairperson, Vice-Chairperson, Treasurer and other roles periodically. Besides, the student’s innovative talents are exhibited through project exhibition and the students involve themselves in the part of demonstration. This creates an ambiance for the students to invent or create new technologies to solve the societal problems. Thus, the college uplifts the status of the students by providing and creating a platform in all aspects.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 23.2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
24	23	25	22	22

File Description	Document
Any additional information	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Report of the event	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Sri Sai Ram Institute of Technology Alumni Association makes the professional structure, which helps you to get associated with each other. We are pleased to inform that, our alumni have done a **great job in their respective fields** by establishing their inner talents. This worldwide stage of alumni association acts as a platform for all the alumni members by extending its helping hand among us. Thus, it paves the way to **establish, enrich and enhance the skills of every alumni member** throughout their lifetime.

Objectives:

- (i) To exchange professional knowledge, organize technical conferences, seminars workshops and training courses. To represent and participate in such seminars, conferences, workshops or meetings conducted by various Engineering and professional Associations, Establishments and to seek recognition in various forums of State and Central Governments, Quasi Governmental Organizations, private and other Autonomous Bodies, with a view to contribute to the furtherance of the objectives of the Association.
- (ii) To advise and interact with State and Central Government Bodies, Universities, Professional Associations and Associations of Engineering and Engineering Equipment Manufacturing Industries and Marketing Agencies on matters relating to promotion of Engineering Education, training, management and systems.
- (iii) To conduct seminars, conferences, workshops and meetings of engineering professionals and faculties for the purpose of promotion of engineering knowledge and skill.

- (iv) To create and establish endowments for granting scholarships and prizes to the students of Sri Sai Ram Institute of Technology and to the Children of Members of the Association with a view to promote and encourage talents, skills and expertise for Engineering students.
- (v) To generate corpus at the Sri Sai Ram Institute of Technology for creating better residential/ educational/ recreational facilities and for any other cause as determined by the General Body for the Association Community in Greater Chennai and neighboring Districts.
- (vi) To encourage, and enhance the Technical and general Knowledge of its members engaged in profession or about to engage in profession and increase participation of Alumni.
- (vii) To raise or collect funds by subscriptions, contributions, donations, loans or by any other legal means for furtherance of the above objectives of the Association.
- (viii) To organize sports, games, picnics and other social activities for the benefit of its members and their families.
- (ix) To undertake activities of nation building including those of charitable nature.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years <1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: <1 Lakh

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 6

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	2	1	1

File Description	Document
Any additional information	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Nature of Governance

The founder-chairman of Sri Sai Ram Institute of Technology, MJF Lion Leo Muthu was an Indian philanthropist, educationist and businessman. He established the educational trusts for providing secondary grade and higher education with high quality.

The college was established in the year 2008 at West Tambaram, Chennai and functions under Sapthagiri Educational Trust founded by MJF Lion Leo Muthu, Chairman. The institution is headed by Mr. Sai Prakash Leo Muthu, CEO and Managing Trustee. The institution is managed by a Governing council consisting of eminent members of the Management, renowned academicians, eminent industrialists and prominent educationalists. The institution has been instrumental in bringing about quality education for the wider society. The Institute is imparting excellent technical expertise right from its inception. Engineering and Management Education is enriched by the sterling contribution of the institution with a vision of producing graduates, who have skills in all aspects of technical and managerial fields to address the ever competitive world.

Perspective plan

The institution has various perspective plans for the overall development. The plan is drafted by the principal in consultation with Governing council body and Heads of the various departments. Academic calendar is scheduled according to this plan. The envisioned features of the plans are

- Getting NBA Accreditation
- Getting NAAC Accreditation
- Signing more number of MoUs
- Strengthening Institute - Industrial relationship
- Creating tie-ups with leading Industries to introduce industry relevant programs in association with leading industries through tie-ups.
- Strengthening R & D
- Conducting GRE , GATE, TOFEL classes
- Identifying Value added courses to cater the need of Industry
- Organizing training to improve soft skills
- Increasing the numbers of consultancy projects
- Improving the Infrastructure in line with technology upgrade
- Developing Entrepreneurial skills by IEDC cell

Participation of teachers in decision making bodies

Principal is the head of both the academic and administrative bodies including IQAC. The Head of the

Institution is the Governing Member Secretary of the Governing Council of the college. Heads of the Departments are empowered for executing the policies in each department. The faculty members are given privileges to express their opinions for the improvement of the college. They associate themselves in several initiatives and take part in decision making process at all levels including Governing Council Body. They act as members of many committees such as Discipline committee, Anti raging Committee, Timetable Committee and Alumni Association Committee, etc., . They also actively take part in various college functions like Induction Day, College Day, and Sports Day etc. The management encourages the ideas given by the faculty pertaining to the growth and betterment of the college. Teaching fraternity engage themselves in various club activities. The faculty members are nominated to be the members of institutions committees so that they can put forth their innovative ideas to achieve better results.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

Participative Management is one of the core cultural features of the institute. Management representatives, Principal, Faculty members and students play important role in participative management. They can provide ideas and constructive suggestions on the operational activities of the institute. Management representatives involves in maintaining quality and welfare aspects of the Institute. Principal drives all the academic and non-academic activities involving HODs and faculty.

The institution reassures participative management at various levels. Administrative and academic committees are formed where students and faculties play a vital role in decision making process. This ensures participative management at all levels. Meetings are conducted every month by the Head of the Institution with Head of the departments where policies are framed and decisions are made. These are disseminated to staffs by HODs through Periodical meetings. The management is also open to the ideas and suggestions given by the faculties in implementing the policies framed.

Principal heads the academic, administrative and other matter related to students. He has full authority on academic activities and formations of various committees. He delegates various roles to the members in the committee to act autonomously. HODs have functional autonomy to decide on the various departmental events and implementing them with the involvement of the faculty members. They have privileges in proposing the budget, framing timetable, subject allocation, assigning department coordinators for various committees, conduction of National and International Conferences, organizing seminars and workshops, arranging Industrial visits , In- Plant trainings and help in manifesting the vision and mission.

Case study

The institution encourages the concept of decentralization and actively pursues the implementation in the overall schema.

- Head of the department plays a crucial role in decentralizing the resources by scheduling the activities of the department and assigning responsibilities to the department faculties.
- Organizing seminars, guest lectures, workshops, Symposium, conferences, Industrial visit and In-plant trainings are delegated often to the faculty members by the HOD.
- Faculty members are involved in the purchase and maintenance of equipment and consumables.

One of the objectives is to mentor the students as productive citizens for the society at large as participative management. Towards that end a mentoring system that provides a guide line to the students was conceived and implemented with the participation of the faculty members. The mentoring system comprises of different steps. The initial step is to allocate a set of students to each faculty. Each and every faculty maintains the record of complete students' profile. A schedule is put in effect periodically for monitoring their performance. In addition to curriculum, the extra-curricular and co-curricular activities are also considered for mentoring.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The Institution has designed a perspective plan for the development. Some of the characteristics of the plan involve the following.

- Teaching and Learning
 - Creating a conducive learning environment.
 - Improvising the infrastructure to facilitate learning.
 - Incorporating creative ideas in delivering the subject area. This helps in generating interest towards the subject. By this approach, the student success rate increases.
 - Disseminating best practices for Teaching and Learning to the faculties.
- Research Development
 - Establishment of research amenities to encourage and cultivate the research culture among the learner community.
 - Promotion of consultancy and research to the staff and students.
 - Highlight the innovation and creativity in all aspects of activities of the Institution.
 - To promote collaborative research
- Industry Interaction
 - Focusing on multi-dimensional evaluation areas. This helps in moulding the students to meet employers' requirements.
- Excellent Infrastructure
 - To meet the Industry standards

- For a smooth and continuous learning experience infrastructure is monitored for expansion.
- Extra-Curricular Activities
 - Apart from academics, the student community is encouraged to participate in co-curricular and extra-curricular activities
 - The exposure helps to develop the student's overall competence and provides a platform to mould his personality and develop innate talents and skills

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Organization chart provide the functional and relational hierarchy of the institution. Chairman/CEO heads the institute and looks after all the functions of the institution including academic, administrative and developmental activities. Under Chairman/CEO, Secretary and Treasurer helps to maintain the management system. He works towards making the institution to attain its goal of academic excellence and keeping pace with the emerging trends and development of educational innovation with the help of Trust members. Decisions arrived by the management team are issued through the Principal who acts as the main coordinator between all the three entities – the management, the staff members and the students. The principal heads Audit, R&D, Academics, Examination, Cell/Committee, Hostel, Placement, Alumni Association and Administrative Office. HODs are responsible for overall functions of the department including budgeting, academics and student improvement programs

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Any additional information	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document
ERP Document	View Document
Screen shots of user interfaces	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The Institution has framed different committees and cells to cater to the needs of various communities. Each committee is headed by the Head of the Institution. The Governing Council is headed by the chairman of the trust. Periodical meetings are conducted and decisions are made regarding the governance of the college, infrastructure development and other issues. Academic and Administrative quality is ensured by an Internal Quality Assurance cell that monitors internal and external processes that leads to the Institutional progress in all aspects. Ragging issues if any, are addressed by Anti Ragging Committee. Redressal cell in the college functions to enquire into grievances and initiates redressal of the issues. Internal Compliant cell deals with sexual harassment problems. Issues surrounding caste such as minority and OBC are handled by the Minority and OBC cell. The SC/ST Cell takes care and resolves the affairs and problems related to SC/ST.

All the cells have their own objectives and responsibilities and the members work towards the objectives in delivering the responsibilities.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

- General Amenities
 - Free Transport facilities to and from their home to College.
 - Subsidized canteen facility.
 - Medical facility.
 - Pooled car facilities for senior staff members.
- Incentives / Awards
 - Incentive to Faculty members based on Students Securing rank in University Examination
 - Financial assistance is provided on Teacher's Day to the faculties who have secured 100% result in their respective subject.
 - A Gift voucher worth of Rs.1000/- is given to all Teaching and Nonteaching faculties every year during Teacher's Day Function.
 - Marriage Gift and Marriage leave with pay for 7 days
- List the support given for Faculty career Advancement /Life Long Learning:
 - Special Study Leave to pursue higher studies.
 - Sabbatical leave (OD) for attending examination, FDP, National & International Conferences.
 - 50% expenses will be sponsored for the faculty members presenting paper in international conference
 - Registration fee reimbursement for FDP/ Conferences
 - For Patent filing full fees will be paid by the Institution
- List of major Welfare facilities given to the Faculty and their family members:
 - Provident Fund contribution accounting to 12% is subscribed to all the staff members right from the day of joining.
 - Special Transport is arranged during festival season to the native place.
 - Every year Monthly & Daily Sheet Calendar, Dairy and a travel bag is given to all faculty members.
 - All the faculties are included in Group Insurance Scheme
 - Five sets of free Uniform are provided for Non-Teaching Staff.
 - Medical leave in case of hospitalization for more than 3 days.
 - Maternity leave for 3 months with salary for the lady Teaching & Nonteaching Staff members.
 - Research facilities are available for faculties pursuing their Ph.D.,
 - Fee concession for the children of non-teaching staff members.
 - Fee waiver scheme for non teaching staff.
 - Scholarships for the wards of non-teaching staff
- List the measure taken for Faculty Work-Life Balance:
 - On emergency, transport facility arranged
 - On any medical need, hospital facility is arranged
 - Monthly one Casual Leave and two one hour permission is allowed to avail.
 - Yearly 45 days of Vacation leave is given to faculty members.
 - Periodical health check up is conducted by a team of doctors.
 - Yoga facilities, Gym facilities are available.
 - Staff members' sports (indoor game, outdoor games) are conducted.
 - Motivation talks from the experts are conducted once in a semester.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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: 14.54

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

2016-17	2015-16	2014-15	2013-14	2012-13
34	60	6	10	14

File Description	Document
Any additional information	View Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

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: 8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	8	14	7	4

File Description	Document
Any additional information	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 71.44

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
173	156	150	82	41

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document
IQAC report summary	View Document

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

Response:

Performance Appraisal system is one of the essential drive for providing quality education. The system comprises of various phases.

The initial phase includes the Self Appraisal for both teaching and non-teaching staff. Some of the factors considered for evaluating the performance of professional development activities for the teaching faculties are Performance against academic workload for each semester, Technical guidance in students' projects, initiatives and participation in various activities like seminar, workshop, FDP etc., Number of proposal submitted and grants received, Number of patents applied and received, Paper and Journal publications, Conferences attended, Pursuing higher studies, Consultancy projects, ongoing and completed Sponsored Research projects, institution service, Honors, awards, medals received, achievements, professional body Memberships, value added courses, textbooks authored, Editor/ Journal Reviewer, Resource Person, coordinators at college and department level, Role in university as panel member .

Non-teaching faculties are evaluated based on the factors such as higher studies, certification programs, workshops attended and trainings participated.

Non - academic activities are evaluated with focus on involvement in NSS, NCC, YRC club activities and association activities.

The next phase comprises of students' feedback including the parameters such as punctuality, preparation, presentation skills, Management of discipline and control, subject knowledge and Approachability.

The third phase involves the reviews and comments of the HOD. This includes team work and contribution to the department, Instruction compliance, Commitment to the Institution and Department, Mentoring ability and Organizational skills for event management.

This ensures that the top management reviews all the activities involved in the performance appraisal system.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Internal Audit is performed by officials deputed from trust office periodically and the reports are obtained before the conduct of the external audit which is normally done after the closure of the accounts in all respects. External audit is done by statutory auditors after June 30 of the subsequent year.

During the course of Internal audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S and statutory formalities and reconciliation of unit wise balances with the control accounts and banks reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts, availability of documentary evidences, documentation, compliances, etc., is preserved.

Subsequently, external statutory audit is conducted by the auditors and the final audit report with audit findings are submitted to the management. The consolidation of the findings of the Institutions with trust central office has been completed and the annual returns have been submitted to Income tax authorities, Registrar of societies TamilNadu and the other relevant authorities concerned.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 24.68

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

2016-17	2015-16	2014-15	2013-14	2012-13
6.04	7.69	3.56	4.64	2.75

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

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

Response:

Mobilisation

Fees Collections

Students are admitted as per the Tami Nadu Government prescribed Higher Education norms by admitting 65% of students through Anna University Counseling (TNEA) and 35% through Consortium of Self Financing Professional, Arts and Science Colleges in Tamil Nadu. The latter kind are admitted with the Fees higher than Government Quota students.

Term Loan and Hire Purchase Loans

Institute is getting Term and purchase loans from Banks with reduced rate of interest by maintaining the liquidity, DSCR and Debt Equity Ratios which are sound and the Loans are availed through Sapthagiri Educational Trust.

Government Grants and Sponsorship Receipts

Institute is getting Grants from various Government Bodies i.e. AICTE, IEDC, DST, Ministry of Drinking water and sanitation and Entrepreneurship Development in Indian Encouraging Trends etc. and

the grants are judiciously utilized to meet the recurring and non recurring cost.

Non Government Bodies and Sponsorship Receipts

Donations are received from well wishers (alumni and others), industries, individuals and philanthropists for institutional activities.

Corpus Donation of Trust and Trust Contribution

The College is functioning under the Sapthagiri Educational Trust at Sai Bhavan, No.31 Madley Road, T. Nagar, Chennai – 17. The Trust gets corpus donations from well wishers, corporates and philanthropists.

Optimal Utilisation

Recurring Expenses

Salary to staff, academic activities and payment of bank interest are done with fees collection.

Infrastructural development facilities and Building construction works

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well wishers and philanthropist are judiciously utilized for the same.

The institute gets grants from AICTE for purchase of modern lab equipments, purchase of latest version software and others. The grants are utilized.

College purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges.

Research and project activities

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institute is committed to provide excellence in research. The institute has executed many major Research and Development projects. Donations from government and non government bodies, institutions, industries, firms, well wishers and philanthropists are used for R&D.

Seminars, Conferences and Faculty Development Programmes and other co-curricular activities

The institute conducts the above said regularly and religiously matching with the latest technology, innovations, research, changes and needs for the society.

Extra curricular activities

Modern sports complex has been created to provide ample opportunities to conduct sports and enable student participation.

Green Atmosphere

Enough care is taken to maintain cleanliness in the campus which coexists with godliness and fund is judiciously utilized.

Bio-waste management Expenses

The institute utilizes the policy of bio waste management effectively as it provides revenues.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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:****Example 1 – Mentoring System**

Mentoring is a proven, cost-effective strategy to engage students in undergraduate programs. Effective mentoring begins with the faculty. When it comes to academic success and persistence, there is no substitute for a healthy relationship between faculty and students. Student mentoring programs:

- Improve campus engagement and student retentionAid in career planning by providing job-specific information and potential career paths.
- Build career networking skills.
- Can assist with job placement after graduation.

Student mentoring can take many forms:

Peer to peer, and student to alumni. Mentoring can achieve powerful results. Students are 40% more likely to secure a job after graduation when they've participating in a student-alumni mentoring program

Mentoring and Guidance provides encouragement to the students as under:

- Encourage students to discuss their ideas.
- Encourage students to try new techniques and expand their skills.
- Let students know that mistakes lead to better learning. Share a less-than-successful experience of your own and what it taught you.
- Reassure students of their skills and abilities to succeed.
- Teach students how to break large scholarly tasks into smaller, more manageable ones to avoid

becoming overwhelmed.

- A Mentor Book is maintained by faculty where all details of the students of his/her group are recorded. History cards of the students are prepared in which attendance, examination marks (Unit Tests, Model exam & University Semester exams) and family details are recorded. The same book is continued till the student completes his graduation.

Example 2 – Special Code Skill Improvement Training

All service and manufacturing companies is focusing on technology based hiring and with specific skill set among the students. Some companies are very domain specific expectations from the fresh engineering students. In general all companies wanted to reduce the time and cost towards training after fresher's hiring, to deploy all of them in to projects with short term orientation.

Keeping all the changes into consideration we have developed a unique kind of training program for our students. We have come up with the exclusive online training portal with the help of a third party vendor "Skill Rack" and train our students from first year on various niche technologies like C, C++, JAVA, Python, .NET etc

The students were given individual user id and password to login to the portal where they can practice coding, data structures, algorithms, quantitative, logical, and verbal. They have online tutorial also to clarify all the doubts then and there. They also get more clarifications from the faculty in the lab environment regularly. This will improve the various technology skill set among the students to meet requirements of the changing industrial needs.

We can generate the detailed reports of the performance of the students in an extraordinary format like login details of every student, the time consumed, time taken to solve a particular question, test resume count, hint and solution seen, ranking of recent 'N' test, number of test absent, students strength and weakness report and the students activities are monitored and communicated to the respective students individually.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

Example 1. Department Advisory Board (DAB)

IQAC has the constituted Department Advisory Board for each branch of Engineering. The Committee Consists of Head of the Department, Senior Faculty Member in the Department, Alumni and Expert from Industry and Academician.

Roles and responsibilities

- Formation of Vision and Mission of the department.
- Formation of Program Educational Objectives, Program Outcomes, Program Specific Outcomes.
- Formation of Department Academic Schedule for every semester.
- Analyzing the attainment levels by direct and indirect assessment tools.
- Analysis of Progress of the Department and suggestions for further improvements.

- **Example:2 Internal Academic Audit Team (IAAT)**

IAAT consists of senior faculty members, well versed in the subject.

Following procedures are followed to achieve continuous improvement in the Academics:

- Each Course Faculty prepares a detailed Lesson plan at the beginning of the semester, according to the syllabus framed by the Anna University for the effective completion of the syllabus.
- Each faculty maintains a logbook for their respective course to track the syllabus coverage and to record the students' attendance. Logbook is verified and attested by the HOD and Principal every month.
- Academic calendar is prepared during the commencement of the academic year in which the dates for the Unit tests, Model exam and internal assessments are prepared and properly scheduled.
- Attendance of the students is monitored keenly and students of less percentage are informed and their parents are alerted of their wards attendance immediately.
- Weak students' classes are arranged for the students of poor performance after working hours. These poor performers are coached and Trained by the faculty so as to improve their conceptual understanding.
- Class committee meetings are held periodically to ensure the students as well as the faculty are comfortable with the ongoing Teaching learning process. The difficulties are identified and rectified immediately.
- The output of these actions are measured using different parameters such as Pass percentage in the University exam, Number of students placed, Number of students opting for Higher studies, Number of students clearing competitive examinations etc.,
- Internal Academic Audits are conducted periodically by the Internal Academic Audit team to ensure the follow up of the system and schedule by every department.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	8	14	7	4

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document
e-copies of the accreditations and certifications	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

2012-2013

- Remedial classes were arranged for the slow learners and their progress has been continuously monitored by the student counselors.
- Training in Aptitude and soft skills development is provided by the Training and Placement division of our college.
- A well equipped communication Skills lab with state of art facilities is provided to enhance the communication ability of the students.
- The college encourages students to participate in various competitions / conferences in India and abroad by providing 50% financial support toward the expenses incurred during such participations.
- Merit Scholarships are awarded to students who excel in their academics by securing 9.25 CGPA and above in the Anna University Semester examinations.
- 19 University Ranks have been secured by our students comprising all departments in the Anna University examinations in the current year.
- A digital library with a wide range of resources enables the students to develop not only their subject knowledge but also to face competitive examinations.
- Our College NSS Programme Officer has been awarded as Best NSS Programme Officer by Anna University.

2013-2014

- Another milestone in this academic year includes the inauguration of ISTE student and staff chapter.
- Our college students bagged 22 University Ranks in the final semester examination.

2014-2015

- EDUMATE - a student and learning monitoring system has been kick started in the current academic year with a view to maintain a complete record teaching - learning process and student activities in both academic and non academic contexts.
- 31 University Ranks have been bagged by our students in the current year.
- IEDC cell, funded by DST was established in the current academic year to promote entrepreneurship development among our students.
- Skill Rack Test, an aptitude development test is conducted by the Training and Placement cell of our college with a view to help our students in placement interviews.

2015-2016

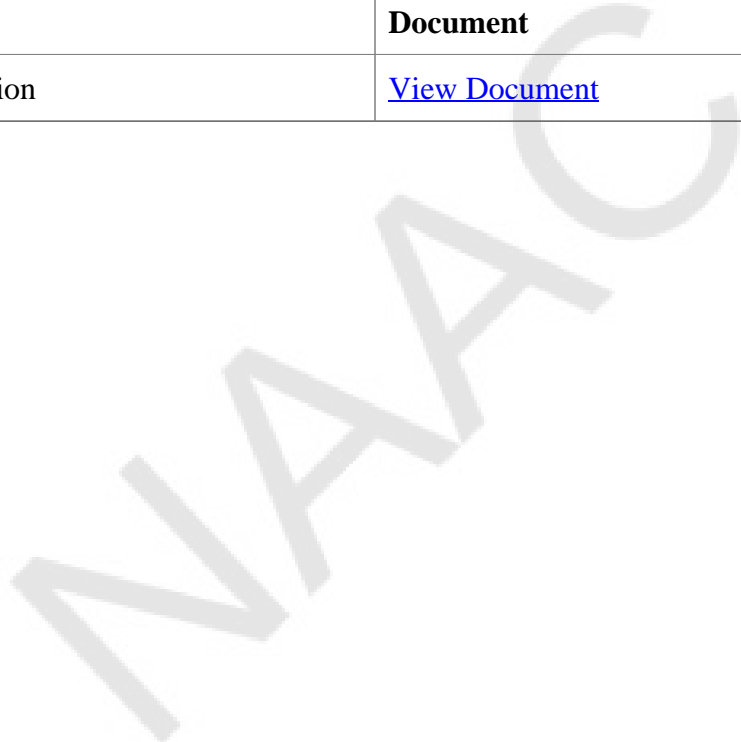
- IEI Student Chapter, a part of the world's largest multidisciplinary engineering professional society was formed in the current year.
- Leo Muthu Stadium, a massive indoor auditorium with an extraordinary seating capacity of 80000 has been inaugurated by the legendary cricketer Sachin Tendulkar in the current year.
- 53 University Ranks were secured by the current batch passing out students.

2016-2017

- Our College has bagged the prestigious Strategic Entrepreneurial Economic Development (SEED) award in this academic year.

- The Engineering Departments have established centre of Excellence in latest technologies like Bigdata, Autodesk, Oracle etc.,
- Our college bagged the Best Practices Award under the category of Entrepreneurship Development constituted by ICTACT Academy, Tamilnadu.
- Our college has been recognized as Best Place to work and was awarded with SEED award.
- Our Mechanical Engineering department is honored with SEED awards as Best Department based on Innovations and Research
- SEED Award 2017 for the Best Principal has been conferred to our principal for his excellence and administrative achievements.

File Description	Document
Any additional information	View Document



Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 8

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	3	1	1	1

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

Any additional information

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

Gender sensitivity ensures that women and men enjoy the same status and have an equal opportunity to exercise their human rights and realize their full potential, especially young women. To promote the gender sensitivity, Women's club is open to female faculty, professional staff and girl students. Several programmes under gender sensitization were conducted on various topics such as Personal hygiene and Women's day which create awareness and aims at changing behavior of students by enabling their comfort in the study spot, work place and also ensuring professional growth.

A team of faculty is available for mentoring the students with depression, psychological problems and even gender related issues. Counselling can offer students a space to talk and think about problems and difficulties, and many find it helpful to be able to do this with someone who is not a friend or family member. Counselling is not about giving advice, but can help the faculty to understand the difficulties of students. Faculty can help students to make decisions and changes that may work better.

Separate common room is available for both boys and girls students. If the students suffered by health issues, college has the medical facility inside the campus.

Culinary Club is to help spread knowledge about food through teaching and exploring the different aspects of the Culinary Arts. Students gain valuable industry experience by working in a variety of food service operations including fast casual, quick serve, banquets and fine dining.

Girl students are encourage to participate in the NCC and college has a separate NCC group for girls.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 16.7

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 64800

7.1.3.2 Total annual power requirement (in KWH)

Response: 388092

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 25.67

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 7734

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 30134

File Description	Document
Any additional information	View Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

a. Solid Waste Management

At Sri Sairam Institute of Technology the solid waste are collected and segregated as degradable and non-degradable waste and it is transported to the nearest municipal waste collection area through trucks.

Proposed management of solid waste: Solid wastes are collected daily and dumped in pits excavated for this purpose inside the campus area and allowed to decompose. At a later date, this is dug out and used as manure for gardening.

b. Liquid waste management

Waste water from college is cleaned and the recycled water is diverted to the garden to maintain plants inside the campus.

c. E-Waste Management

Old computers and its accessories are sold as scrap to the local firm designated as authorized buyer by the **Tamilnadu pollution control board**. For this purpose, MoU has been initiated with the firm.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain Water harvesting

Sri Sairam Institute of Technology has implemented rainwater harvesting, which has saved significant amount of water expenses. All the buildings have rainwater-harvesting structure and the rainwater is allowed to go underground through the structures.

The runoff rooftop rainwater from the terrace of the college building is channelized into eight different recharge pits, each measuring 1m x 1m x 2m. to recharge the ground water.

The runoff water collected on the roads is drained and conveyed to wells for giving recharge to the bore well sources located inside the campus. The College also takes serious steps in making the ambient competitive and innovative environment with its own benchmark. Extensive rain water- harvesting activity has been undertaken at various parts of the campus, which results in the increase of ground water.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Environment consciousness is enshrined in the mission of the institute and tree plantation is the major concern of the management to maintain the pristine purity and beauty of the college to provide a congenial atmosphere for the academic and non-academic pursuits. The entire campus has landscaping with green grass, ornamental plants and shady trees making the campus very green and beautiful. College is very proud of this green and pollution-free atmosphere which is conducive for good educational ambience. Presently Green audit is not initiated in the college campus.

Tree Plantation is done for every year through NSS,NCC and YRC. The college has nurtured number of trees of different variety inside and outside the college campus. Large numbers of saplings are planted in the campus to make the campus green and aesthetically pleasing. Lawns have been developed and maintained.

Nurturing the existing trees and making the environment green is one of the pursuits that develop eco-concern among the students. As a part of this exercise, SSIT NSS students have planted 200 saplings in the campus. In addition, they have planted approximately 15,000 saplings in last 5 years in areas like

New by-pass from Ennore to Vandalore and Sai Leo Nagar. All plants have survived as students of SSIT maintained and watered them despite the constraints of a rigorous academic schedule.

Bicycles

In Sri Sairam Institute of Technology almost all non-teaching staff as well as some students uses bicycles to come to college. Bicycles are provided to the teaching and non-teaching staff to go to department workshops, Banks, etc. inside the college campus.

Pedestrian Friendly Roads

Pedestrian Friendly Roads are used by students, staff and others to move around the campus.

Plastic-free campus

To create awareness among the students about use of plastic materials and to make college as a plastic free campus, International plastic free day (3rd March) is celebrated.

Paperless office

SSIT is shifting towards computerization of academic records in lieu of paper work in order to conserve paper in a phased manner. As part of it, all the student details are maintained by software application called “EDUMATE”, and similar software are being used for library and office administration

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.85

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
21.84	11.19	16.05	8.09	6.53

File Description	Document
Green audit report	View Document
Any additional information	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendlines Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 16

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	3	3	8

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 41

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
11	1	15	10	4

File Description	Document
Report of the event	View Document
Details of initiatives taken to engage with local community during the last five years	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal
--

harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 17

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Our country is a land of multi-ethnicity where people of different languages and cultures live together with peace and harmony. India is worldwide known for its cultural diversity and colorful festivals. SSIT will give priority to the national festivals and encourage students and staff to actively participate in the various events as part of the festival celebration.

Every year institution celebrate the following Indian national festivals

- Pongal festival
- Republic day
- Independence day
- Teacher day
- Dussehra
- Dr. APJ Abdulkalam death anniversary
- Founder MJF. Ln.Leo Muthu anniversary day

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

SSIT has the policy of transparency in all its financial, academic and administrative activities.

Financial:

Students and parents are given the clear breakup of all the fee components through a circular at the

beginning of each academic year to all the students. On receipt of the fee amount a receipt with all the breakup details regarding the fees collected is given immediately to the students. Apart from the tuition fees, fees collected for university exam and arrear fee, a system generated fee receipt is provided to all the students. Students pay their Tuition fee through online system which is transparent to all.

Management scholarships to students, awards for the staff for achieving academic excellence and sponsorship by the management to staff and students participating in various conferences are well informed to all by regular office circulars.

Academic:

Academically, students' unit test marks and their class attendance are updated to their parents through a postal letter thrice a semester by the student's mentors. All the unit and model test answers scripts are given to the students by the respective staff with duly giving academic advice to improve their scores. Academic Calendar is designed by student Council with the help of all HODs and Principal. Majority decisions taken by the Principal are during the HOD meets. Regular HOD meeting are conducted. Decisions taken during the HOD meetings are forwarded to all the faculties.

Administrative :

All the administrative information is informed to the staff through office circulars regularly. All the achievements of the staff are appreciated in the staff meetings.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice-1

Title

Employability skill development through Student Mentoring

Objectives

- The graduates are inculcated with professional and ethical attitude, effective communication proficiency, teamwork skill and multidisciplinary talents.
- The graduates are equipped with strong knowledge and soft skills that allow them to contribute to the needs of industry, consultancy, government and academics.

Context

Today's job market is not only looking for technical knowledge but also interpersonal and relationship-building skills that help people to communicate and collaborate effectively.

Practice

In the mentorship scheme a mentor is allocated with group of approximately fifteen students (mentees). Various activities like career goal setting, presentation skill, communication skill, resume writing, aptitude test etc. are given expert advice in the meetings.

- Motivational programs are conducted to ignite their thinking ability.
- Written and oral communication skill development trainings are conducted to all our students.
- A regular practice is given to all the students using the software "Skill Rack" one hour a week for the entire semester.
- To improve the ability to think critically, listening skills, and confidence in speaking special Group Discussions are arranged after college hours from third year.
- All students are mandatorily trained in this programme to improve their employability skills.

Evidence of success

- During the academic year 2015, 2016 and 2017 we had a placement record of 88% to 91%.
- After the implementation of the orientation programme SSIT has seen a remarkable improvement in placement.
- Good feedback reports have been received from our recruiters.

Problem Encountered and Resources required

Students from rural Tamilnadu are in considerable number. Those students in the first year feel difficult to get accustomed academically to the engineering curriculum. It is a challenge to mentors in bringing confidence among the students. Balancing the academics with that of employability skill development programme is a great challenge faced every year.

Best Practice-2

Title

Innovation and Entrepreneurship Development Centre

Objectives

- To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding student entrepreneurs.
- To inculcate a culture of innovation driven entrepreneurship through student projects
- To catalyze and promote development of student knowledge-based enterprises and promote employment opportunities in the innovative areas.

Context

Small and medium – sized enterprises and micro enterprises are increasingly recognized as an important driver of economic growth of a country.

Practice

Organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmers, Faculty Development Programmers and Skill Development Programmers for the benefit of Students. Arrange interaction with entrepreneurs and create a mentor ship scheme for student entrepreneurs. Act as a Regional Information Center on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant data bases.

Evidence of success

- 10 patents has been filed in various engineering field.
- 11 students entrepreneurs from the IEDC incubator.
- Best Institutional Award - by SEED years 2015-2016 and 2016-2017

Problem Encountered and Resources required

Some of the major challenges are financial issues, social rejection, facing criticism, hiring employees for the first time, dealing with stress and self-doubt, and finding customers

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Infrastructure for student's academic and co-curricular activities

State of art Infrastructure in SSIT is one area distinctive and differentiates from the rest.

The institution has provided the best possible facilities in terms of infrastructure required for teaching, learning and also for sports activities to make a student a complete student in all dimensions. The classrooms, laboratories, smart classrooms, Group discussion halls and administrative office are built highly conducive for overall academic environment of academic standards.

The Infrastructures

Sports: SSIT has fully equipped separate grounds for athletics, tennis, basketball, indoor badminton courts, volley ball courts and a big indoor auditorium of international standards which can accommodate 4000 people. As an outcome of this, many of our students have performed well in state and national level sports events and secured many medals.

Security: SSIT is constantly monitored with closed circuit TVs to ensure 100% safety to parents whose children are undergoing a course.

Library: SSIT has a spacious and well stocked with 15,000 books, e-journals, and a well structured database with fully automated functioning to monitor the distribution of books. At any time about 75 users can sit and work in the library.

Power backup: SSIT is an area where power supply is highly intermittent. Separate room for operating the Generator (in area 33.6 Sq. m.). It supplies 250KVA to the campus to supply an uninterrupted power supply to the students learning process.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

- Management provides incentives to staff members based on Students' ranks in the University Examination as follows:

University Ranks	Incentives to Departments (Rs.)
First	80,000
2nd to 5th	60,000
6th to 10th	40,000
11th to 15th	30,000
16th to 20th	20,000
21st to 30th	10,000
31st to 40th	7,500
41st to 50th	5,000

- The Management motivates the (II, III, IV) year meritorious students by exempting their fee according to their CGPA and it is listed below

CGPA	AMOUNT
Above 9.26	Full Fee
9.01 – 9.25	Rs. 10,000
8.76 – 9.00	Rs. 5,000

- The Management encourages the newly joined students, who have scored centum in various subjects through cash awards as shown below:

SHRI. LEO MUTHU MERIT SCHOLARSHIP

Marks in +2 (Maths, Physics & Chemistry)	Scholarships*
Centum in all Subjects	₹ 1,00,000/-
Centum in any 2 Subjects	₹ 50,000/-
Centum in 1 Subject & Total 585 +	₹ 25,000/-
PCM with total 580 & above	₹ 10,000/-
PCM with total 570-579	₹ 5,000/-
CBSE - PCM (290 & above)	₹ 50,000/-
CBSE - PCM (285 -289)	₹ 25,000/-
CBSE - PCM (275 - 284)	₹ 10,000/-

* Applicable for First year admissions through TNEA

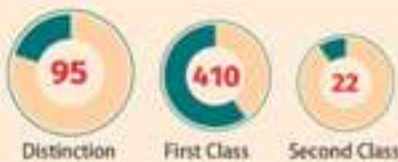
SRI SAIRAM INSTITUTE OF TECHNOLOGY (SIT)

2016 BATCH PERFORMANCE – ALL UG DEPARTMENTS

DEPT	STUDENTS APPEARED	STUDENTS GRADUATED	GRADUATE PERCENTAGE	UNIVERSITY RANKS	RANK POSITION
MECH	134	129	96.27	9	5
EEE	132	120	90.90	16	2
ECE	129	114	88.37	4	10
CSE	113	110	97.34	10	5
IT	54	54	100	9	6
OVER ALL	562	527	93.77	48	12

2016 BATCH PERFORMANCE – ALL PG DEPARTMENTS

MBA	47	47	100.00	5	8
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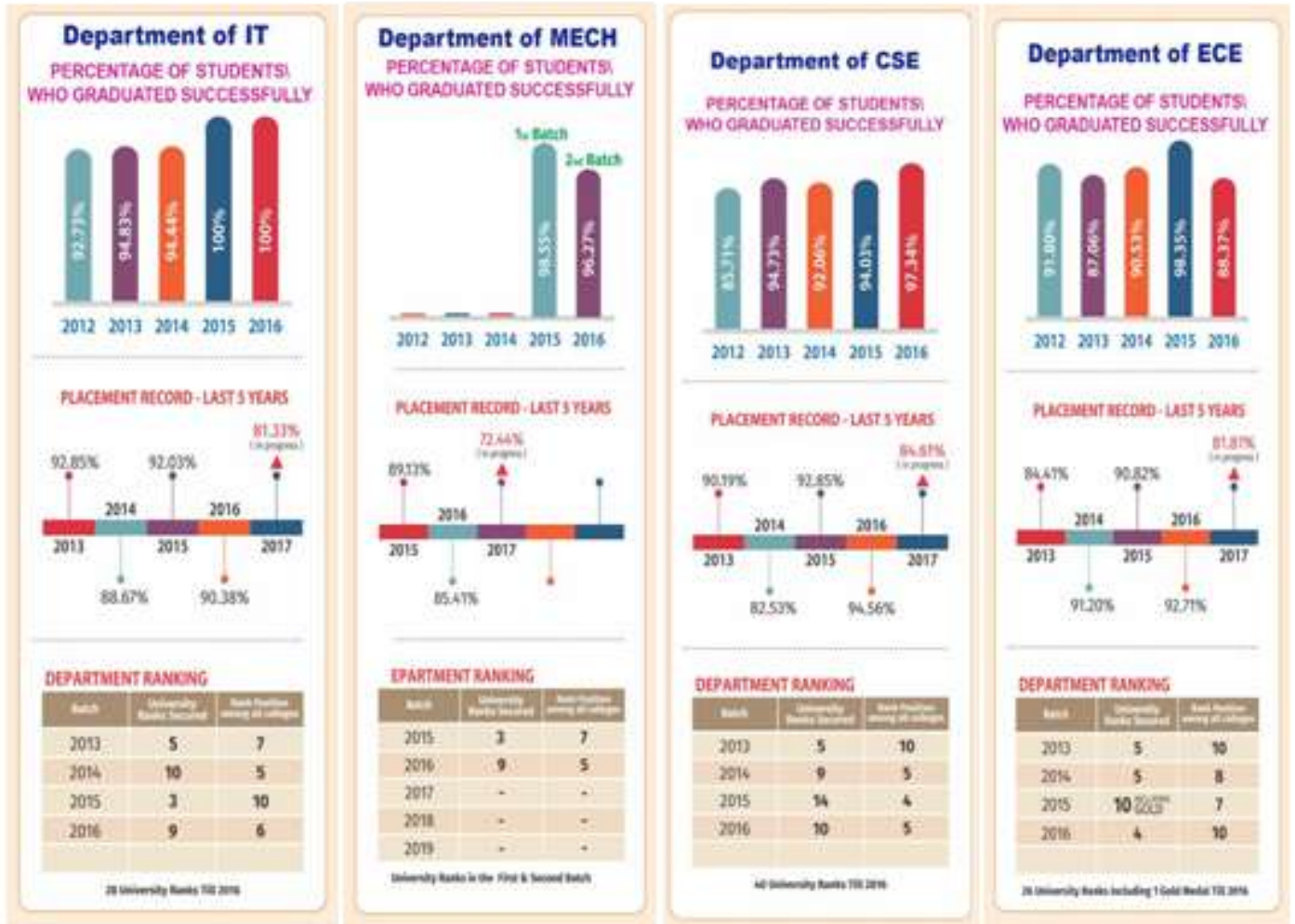


905 OUT OF THE 527 UG STUDENTS HAVE SECURED DISTINCTION OR FIRST CLASS WHICH MEANS 95.82% OF GRADUATES HAVE PASSED OUT WITH FIRST CLASS OR DISTINCTION

SIT - ANNA UNIVERSITY RANKS - LAST 5 YEARS



178 UNIVERSITY RANKS INCLUDING **2** GOLD MEDALS





Honors and Recognitions

S.NO	AWARDS/RANK	CATEGORY	YEAR
1.	The Society for Educational & Entrepreneurship Development (SEED)	Best Institute of Work	2017
2.	The Society for Educational & Entrepreneurship Development (SEED)	Best Principal Award	2017
3.	The Society for Educational & Entrepreneurship Development (SEED)	Best Department Award	2017
4.	NIRF ranking 2016 (MHRD, New Delhi)	within 151-200 bands	2016
5.	Computer Society of India (CSI)	The longest continuous student branch counselor	2016
6.	ICTACT – Entrepreneurship Development	Best Practices Award	2017
7.	Indian Society for Technical Education (ISTE)	Award for Research and Development	2017

- Dr. K. PALANI KUMAR, Principal, has been selected as one of the top 1% peer reviewer in the world for reviewing top scholarly journals.
- BEST Principal & Department (Mechanical) Award by SEED.
- Dr. Tharannimai, Senior Librarian, has received the best librarian award from Madras Library Association, 2017.
- Dr. V. Brindha Devi & Dr. Tharannimai, Senior Librarian, has received an award of Certificate of Appreciation from NPTEL, IIT MADRAS JUL-DEC 2017.
- Dr.B.Sreedevi, HOD/CSE, has been awarded the longest student branch counselor for 2016 from Computer Society of India.
- Dr. K. Bharanidaran, NSS Programme officer, has received “Award for Mobilizing Voluntary Blood Donors by the Madras Voluntary Blood Bureau.
- Ms. E. Maheswari, Associate Professor/EEE, has been awarded Dr. A.P.J. Abdul Kalam Award of Teaching Excellence.
- The Department of EEE has received “Teaching Award in Engineering”, this is given by Staffordshire University, UK. association with Education Matters on March 13th, 2014.

Concluding Remarks :

In the future, the institution plans to have the Centre of Excellence in emerging areas in the field of Engineering & Technology and Research Nodal Centre of Anna University within the campus, as well it plans to meet the contemporary technological needs. The institution plans to establish more number of UG & PG programs and certificate and value added courses in the emerging areas to cater the need of the changing society. The institution will also work continuously to get more number of patents and sponsored projects from the Government and reputed R&D Agencies and more number of consultancy projects. It also aims to produce entrepreneurs through R&D Business Incubation Cell. In addition to this, the institution will also strive hard to get more number of MoUs with Foreign/National Universities/Industries with a view to send students to abroad for their higher studies. In addition, in the forth coming years, the institution will also have more number of doctorates in all the departments. Besides, the institution will try its best to get the NIRF rank within 100 in future, where now the institution is placed within 151 - 200. Further, the institution also plans to establish the Green renewable

energy technologies in and around the campus to fulfill the requirements of the Society. In the conclusion, the institution will commit itself to build a better nation through Quality Education with team spirit to produce good citizens with ethical and social values.

NAAC