



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRI SAIRAM COLLEGE OF ENGINEERING

**SAI LEO NAGAR, GUDDANAHALLI VILLAGE, SAMANDUR POST, ANEKAL,
BANGALORE, BANGALORE URBAN, KARNATAKA 562 106**

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sri Sairam College of Engineering is a proud establishment of renowned Sairam Group of Institutions and came in to its existence in the year 1997. The Institution formerly known as Shirdi Sai Engineering College and is managed by Sapthagiri Educational & Charitable Trust, Bengaluru.

Our Founder Chairman **MJF. Lion Leo Muthu**, a well-known Philanthropist & a very well recognized Social Worker, who has rendered his service towards society. Our CEO **Mr. Sai Prakash Leo Muthu** with his Techno-Managerial background & intense result oriented approach is guiding the institution and transforming it into a most unique among the educational institutions of our country.

The college is located in Anekal, Bengaluru Urban Dist., a campus of 25 acres with lush green, pollution free environment situated in South Bengaluru adjoining to Electronics City. The college is approved by AICTE recognized by Government of Karnataka and is affiliated to Visvesvaraya Technological University, Belagavi.

The Four UG programs offered are Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering & Mechanical Engineering and Ph.D program in Mechanical Engineering.

The college is an **ISO 9001:2015** certified and is accredited by UKAS. All the programs of the institution are also accredited by Institution of Engineers (IEI). The Institution regularly participates in the Ranking surveys of various Magazines like Times of India, India Today, Data Quest, Education World, The Week and Higher Education Review. Glad to inform you that our Institution has been ranked by all the magazines consistently within 10 in Bangalore, within 20 in Karnataka and within 100 in India. We are also participated in NIRF ranking for the past two years.

The Institution follows Project based applied engineering teaching learning process to empower students to meet the corporate expectations. SSCE graduates are placed in a diverse range of organizations, good percentage of students have continued their higher education in India & abroad and number of students have also ventured startups.

Our institution serving with a motto "**To Build a Better Nation through Quality Education**" is undoubtedly an ideal place for Engineering Education.

Vision

To emerge as a "Centre for Excellence" offering Technical Education and Research opportunities of very high standards to students, develop the total personality of the individual, and instill high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.

Mission

We Dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education. To this end, we will pursue continuous development of infrastructure and enhance state-of-the-art equipment to provide our students a technological up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Sri Sairam College of Engineering is 21 years old and has earned a reputation among the public because of Professional management, excellent infrastructure and well qualified and experienced faculty.
- The college is situated in a spacious 25 acres of Green & Clean Campus with scenic beauty, Located at about 15 Km from Electronic City Bengaluru.
- More than 90% of students graduate every year, on a consistent basis.
- Additional topics, beyond syllabus are covered by the teachers.
- The newly recruited faculty members are trained in pedagogy through the Centre for Innovative Teaching Methods, headed by Principal with Experts.
- The college recognizes and appreciates top academic performers in each class in the internal evaluation and University examinations.
- Faculty exchange programmes with foreign universities are in vogue.
- The faculty members are an ideal blend of youth and experience, Responsibilities and authorities are delegated to HODs and Coordinators, which have resulted in a transparent management.
- College supports faculty and staff members for higher education.
- Incentives and rewards are given for research paper publications in national and international journals.
- Funded research projects to the tune of 1.35 crores
- The college is ISO 9001:2015 certified.
- The college is accredited by IE(I) – Institute of Engineers.
- Merit Scholarship of full tuition fee waiver to students, who secure 90% of end exam result in academic.
- Students are actively counselled by the faculty advisors.
- The teachers from the department of Humanities and Social Sciences conduct special coaching classes at the language laboratory to improve the soft skills and employability of students.
- Parents' meets are organized once in a semester.
- Excellent placement record
- Presence of a strong alumni base - alumni supports the college by way of guiding the students, Industry Institute Interaction, Internship training etc.
- The college has entered into MoUs with leading industries, which are being pursued actively.
- An active Innovative Entrepreneurship Development Cell & Innovation Centers are headed by senior Professors to mould the students to become entrepreneurs.

Institutional Weakness

- Industry Institution Interaction needs to be strengthened further.
- Consultancy and extension activities need improvement.
- Faculty with industrial experience is less in number.
- Communication skill of about 15% students needs to be improved.

- Library to be expanded to cater to growing research needs.
- The College is affiliated to the Visvesvaraya Technological University Belagavi and hence has a limitation in upgrading of curriculum and running collaborative courses with Industry and foreign universities.

Institutional Opportunity

- Situated near Electronic City Bengaluru, which is a hub for the Software called as Silicon Valley, Electronics and other industries. The college can have industry inter action, apprenticeship programs. We are also able to place students in some of these industries.
- The technology is developing at a rapid rate. Embedded System Design, VLSI, Robotics, Mechatronics including Nanotechnology, cloud computing, 4G in mobile communication and construction Management are the recent technological advances to name a few. The college can leverage this advantage, for placement, research and interaction.
- The students have become more demanding. The students have a large potential, which can be honed.
- Inter disciplinary research in niche areas is the need of the day. The college can have inter disciplinary research with the help of inter department etc.
- Finally the Institution has adopted a project based learning system in the campus, hence the changes in the corporate may not affect the students growth.

Institutional Challenge

- Continuing recession in software and electronic sector. Placing students may become very difficult due to this changing scenario.
- Encountering difficulties in maintaining the top position due to increased competition.
- Emergence of new institute of same kind in the vicinity.
- Unpredictable and declining quality of students may exert pressure on the teachers.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institution with 21 academic years of experience rigorously follows the curriculum designed by the Visvesvaraya Technological University as an affiliated college. The faculty members of the institution are the active members of the BOE and BOS of the University. Based on the Curriculum and syllabus, the institution conducts brainstorming sessions in the HODs meeting to find out the gaps. These gaps are filled with the help of Industrial visits, Guest lectures etc.,

The institution directs all the faculty to prepare lesson plan keeping the syllabus as base by adding all the tools in teaching including ICT. The Institution has constructed a well-planned curriculum delivery mechanism by making the class rooms as ICT enabled. The institute is also a member of "e-sikshana" - a platform for extended learning by VTU. The academic calendar, lesson plan and PPTs for every class which is uploaded in the LMS. The session audit is conducted and remedial coaching is arranged for slow learners. Advanced learners are provided with additional support and bridge courses are also conducted.

All the departments are vigorously involved in carrying out the best in the students through proper dissemination of abstract understanding coupled with exposure to practical knowledge imparted through relevant laboratories.

The Department of Mechanical Engineering has started an innovative VLCI (Visionary Leadership Community India) program supported by TVS Group mainly to teach parallelly the shop Floor activities. The Department of Computer Science has established Innovation Center to teach the subject with the help of competitions conducted by corporate. Each program has planned the curricular activities to suit their requirement.

The Institution has an online feedback system. The feedback results are analyzed using online software and are uploaded to the college website and informed to the parents. All departments arrange internships and field trips for all year students. Each program organizes guest lectures, debates and workshops by eminent faculties and industry representatives. Student-centric teaching learning methodologies have been the key focus area of all departments.

The curriculum of all the programs in the Institution are based on Project based Teaching, Extended learning material, Videos, ICT Tools, etc.,

Teaching-learning and Evaluation

The growth of the Institution is rests on the Teaching - Learning process of the Institution. The vibrant and dynamic teaching learning process makes the institute robust. Due to this in our institution more than 90% students graduate every year consistently.

Additional topics beyond the syllabus are covered by the professors. The Management has established Sri M Visvesvaraya Audio Visual Hall mainly to inculcate the Beyond syllabus contents to the students. Our college has set up smart class rooms and is in the process of converting every class room into a smart class room. The newly recruited faculty members are trained in pedagogy through the Centre for Innovative Teaching Methods, headed by Principal with Experts.

Our institution is open for 6 days in a week, so that the students and faculty get an extra day for special coaching, research and other professional development activities. Remedial coaching is organized for weaker students, advanced learners are given additional opportunities and bridge courses are planned for freshers. LMS is used in our institution. All faculties upload PPTs and course material to the LMS.

PO and PSOs are distinct for all programs and COs are defined for all the courses. The institution has a widespread mechanism to track and compute attainment of program outcome, course outcome, and program specific outcome by using online software.

We meticulously follow the CBCS system by conducting 3 internal exams in the semester and evaluate the same for assessing the learning process. Based on the performance in the internals, the institution conducts counseling process. The outcome from counseling will be implemented for achieving objectives of the Department. Special Classes for slow learners, Notes for modules, question bank etc., are some of the features of the outcome. The faculty members are an ideal blend of youth and experience.

The Management has introduced Sri Leo Muthu Scholarship scheme for the students based on their marks scored in the University Examinations. Tuition fee will be waived off if student scores more 9.000 CGPA as a

evaluation parameter.

Research, Innovations and Extension

All the faculty members of the Institution are having minimum qualification as PG. The Institution also supports the faculty for pursuing higher education. Majority of the Faculties are registered for Ph.D at various Universities.

The Institution encourages extended learning for the faculty and deposes them for various FDPs and workshops. The institution also insists all the faculty to register for NPTEL and related activities to know the present scenario of the Education world.

The faculty members conducts research in two areas, 1. Applied Engineering Research and 2. Theoretical Research. Continuously the faculty applies for projects to various organizations for funding. All the faculty members have the publications in the International Journals. There are periodicals written by the faculties, some of which are published in the UGC listed Journals. Incentives and rewards are given for research paper publications in national and international journals.

The Institution has a Innovation Centers, R and D Center and start-up incubation center which have been instrumental in incubation of number of start-ups by the students.

Our college provides secretariat, legal, and infrastructure funding as well as leadership and mentorship to the start-up. We regularly conduct a number of extension activities.

We have also received recognition for some of our extension activities. We do have functional MOU's for students exchange, faculties exchange and internship opportunities. The Institution has also signed MOU with a number of organizations and the institution has good number of patents.

Department of Mechanical Engineering has been recognized as Research Centre by Visvesvaraya Technological University Belagavi. Many members of our faculty have been recognized as the Ph.D. research guides and guiding the scholars..

Sri Leo Muthu Innovation Centre is an initiative of our college where the students are encouraged to work 24X7 developing new socio-relevant technical projects/products, beyond the scope of the university curriculum. To convert projects into products, the innovation center has 3 verticals namely Automobile, IT & Circuitry.

Funded research projects to the tune of 1.35 crore from AICTE, DST, VTU, MHRD, VGST and DRDO have been obtained by our college in the last few years.

Infrastructure and Learning Resources

The Institution has established in the year 1997 and continuously upgrading the infrastructure to suit to the present corporate expectations. The institution has well equipped class rooms with all the facilities.

The labs are set up with all the experiments and established such way that the students can use the lab for small projects and innovation.

The Institution has set up Innovation centers in all the departments with domain specific and provided all the facilities for conducting competitive based projects. In addition to this the institution has provided Seminar Halls, Audio Visual Halls, e - sikhsana kendras etc.,

Also providing adequate infrastructure for quality teaching- learning. The institution has an excellent library with all the facilities and computer facilities. The library is well equipped with books, journals, and e-sources. The library is accessible from 9.00 am to 5:30 pm. There is a spacious reading room, access to e-learning, with internet connections.

The institution has a good quality canteen with a variety of options for all the students. There are a total 446 computers in our organization. The departments have their own computer facilities and a total of 393 computers are available for the students. Furthermore, the computer laboratories are furnished with air conditioning.

We have 2 lines for internet access; a 45 MBPS leased line and a 20 MBPS line. We have a seminar hall which can accommodate 650 people and an AV hall which can put up to 125 people. Wash rooms are present on each floor for boys and girls. Ample drinking water facility is available, separate common rooms for boys and girls are present in this Institution.

The Institution provides the facility of indoor games as well with gym facility.

Most of the classrooms are equipped with ICT facility. Lecture capturing system is in place with Media processing facility. The institution has a well-equipped infirmary, which provides necessary health care facilities. There is a panel of doctors who visit the college on call to attend to emergency situations. In addition to the above, the institution has signed MOU with super speciality Hospital in Anekal.

Student Support and Progression

The Institution has adequate support plans to support meritorious and financially weaker students. At the time of joining the institution a scholarship is provided based on +2 Marks mainly to attract the meritorious students. Majority of the students annually benefitting from the same. The second scholarship is provided by the Management based on the VTU end semester exams marks. Quite number of students are benefitting from this scholarship.

Guidance is provided by faculty members for the slow learners. The robust mentoring system of the institution helps the student to guide them by keeping parents, students and faculty in the loop.

Apart from the govt. funded scholarships the institution provides scholarships through various programs of its own. Merit scholarships from various NGOs and organizations are also available in the college.

Capacity enhancement has been one of the key focus areas of our institution accordingly a number of capacity enhancement schemes such as a communication lab and is looking forward to build a personal counseling cell. The Institution organizes certain number of co-curricular and extra – curricular events. The students actively participate in these events. The students are also involved in numerous clubs. The student teams identify the area of interest and the approach is validated, mentored and driven towards meeting the objective with the active support of teaching and non-teaching faculty, thus providing exposure and practical experience to the students. Personality and professional development of students is given importance which helps in building

organizational capabilities.

“SaiSamskruthi” is the annual student’s fest organized by the institution. The college conducts theme based cultural programs in the campus through out the year. Variety of activities are organized by the students.

The college has an active placement wing that helps with the students’ placement. There are many students who get multiple opportunities from reputed organizations. The Cell conducts several programs for all round growth of the institution.

The Institution calls press meet every year to show case student projects to the society and media to elevate them to the next level.

Governance, Leadership and Management

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.

The Institution management is actively working towards quality improvement and overall development of the Institution. Our institution endeavors to provide standard learning to everybody. Top-level managers are responsible for controlling and overseeing the entire institution. It includes the Chairman, Governing council, Principal and Vice Principal. The Governing Council assists the Chairman with regard to broad guidelines, policies and framework for the improvement of quality of education in the institution. Teaching staff and Non-teaching staff as coordinators and members to motivate and advance the leadership and to entrust the responsibilities of the respective committees.

The institution works with a focus on the continuous improvement of the physical and academic ambience and infrastructure of the college both qualitatively and quantitatively.

A decentralized and participative management policy is followed where the department heads / TIC’s are empowered to certain academic and administrative decisions. Feedback is analyzed by the software and the action taken care report is updated in the website. IQAC work floor is completely automated using online software. The IQAC has conducted external

Academic and Administrative Audit, Quality Audit. The IQAC has been constituted as per the recommendations given by NAAC.

In line with the Government initiative towards digitalization of the records and processes, the institution has customized ERP package "EDUMATE" to govern the institutional activities. Startign from Admissions to issue of Transfer Certificate has been digitalized, which makes the governance processes are transperent.

The Management supports the quality initiatives like TQM Practices in all the activities of the Academic processes through ISO Certification nad standardization.

The institution provides trainings and Leadership development programs to the employees to bring the leadership qualities among the students. Faculty Development Program will be conducted at the beginning of the every semester addressing technical and managerial trends.

Institutional Values and Best Practices

The values perished over the societal values like Helping the needy, Senior citizens, school children by providing free education, Internet Melas for the Government schools, Donations during natural calamities, contribution to Prime Minister relief fund and developing the nearby villages through NSS are frequently organized in the institution to inculcate the best values in the minds of the students.

The Institution has conducted Green Audit.

Rain water harvesting system is in place in our institution.

Our institute has planned and planted a **green campus garden** to beautify the campus with abundant trees, shrubs, grass lawns and beautiful flowers. Majorly, all faculties and students are encouraged to use public transportation to reach college.

We discourage the use of plastic and printing of paper unnecessarily. Also, we regularly conduct Gender Equity Workshops.

Special focus has been given to inculcate fundamental rights and human values by conducting regular workshops. Similarly workshops are conducted to promote ethics and morals.

Mentoring is one of the best practices of the institution. Each student is assigned a mentor. The mentors regularly follow up with the mentis; this helps in identifying focused career paths for students as well as support students' personal growth.

LMS is used extensively in our institution. All faculties upload PPTs and course material to the LMS. The institute provides aid to students with financial problems this has been immensely useful for bright students who can't afford education.

Project Based Learning is also one of our best practices to give exposure and practical knowledge to the students.

Sri Leo Muthu Innovation Centre is an initiative of our college where the students are encouraged to work 24X7 developing new socio-relevant technical projects/products, beyond the scope of the university curriculum.

The Institution has implemented TQM Practices in the campus and successfully implemented 1. Suggestion Sceme 2. Circle Meeting 3. 5S 4. Kaizen 5. Quality Circles.

The Institution has established a AV Hall for extended learning and every alternate week the student sees the corporate videos to know the present scenario.

Students are encouraged to participate in NSS and CSR activities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SRI SAIRAM COLLEGE OF ENGINEERING
Address	Sai Leo Nagar, Guddanahalli village, Samandur Post, Anekal, Bangalore, Bangalore Urban, Karnataka 562 106
City	Bangalore
State	Karnataka
Pin	562106
Website	www.sairamce.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Y VIJAYA KUMAR	080-27840630	9900545101	080-27830355	principal@sairamce.edu.in
IQAC / CIQA coordinator	Gangavathi P	080-27830221	9901239010	080-22451802	iqac@sairamce.edu.in

Status of the Institution	
Institution Status	Self Financing and 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	06-11-1997

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

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

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

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	30-04-2019	12	Received EOA for the Academic Year without remarks

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	Sai Leo Nagar, Guddanahalli village, Samandur Post, Anekal, Bangalore, Bangalore Urban, Karnataka 562 106	Urban	25	23789

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	PUC	English	120	99
UG	BE,Electronics And Communication Engineering	48	PUC	English	120	47
UG	BE,Electrical And Electronics Engineering	48	PUC	English	60	17
UG	BE,Mechanical Engineering	48	PUC	English	120	24
Doctoral (Ph.D)	PhD or DPhil, Mechanical Engineering	36	PG	English	10	4

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				14				72			
Recruited	3	0	0	3	3	4	0	7	41	31	0	72
Yet to Recruit	4				7				0			
Sanctioned by the Management/Society or Other Authorized Bodies	7				14				65			
Recruited	3	0	0	3	3	4	0	7	0	28	0	28
Yet to Recruit	4				7				37			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				49
Recruited	42	7	0	49
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	42	7	0	49
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				34
Recruited	25	9	0	34
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				34
Recruited	25	9	0	34
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.	3	0	0	3	4	0	0	0	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	41	42	0	83

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	Others	Total
		9	1	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	4	0	0	0	4
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	81	44	0	0	125
	Female	51	11	0	0	62
	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	12	15	20	8
	Female	10	9	12	10
	Others	0	0	0	0
ST	Male	4	3	5	3
	Female	2	3	3	1
	Others	0	0	0	0
OBC	Male	101	71	105	40
	Female	51	46	49	31
	Others	0	0	0	0
General	Male	91	109	69	105
	Female	55	47	60	49
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		326	303	323	247

3. Extended Profile

3.1 Program

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

Response: 607

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	4	4	4	4

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1074	1149	1125	1147	1159

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
240	240	240	270	270

File Description	Document
Institutional data in prescribed format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
251	269	279	251	338

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
109	125	126	112	110

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
109	125	126	112	110

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 30

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

2017-18	2016-17	2015-16	2014-15	2013-14
572.02	560.9	552.91	446.52	438.86

Number of computers

Response: 446

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:

Sri Sairam College of Engineering is committed to the basic values of the Higher Engineering education by providing all the support required for effective implementation of the policies through excellent infrastructure with well documented procedures. The curriculum delivery process starts with the syllabus of the University and ends with the feedback from the students which is used for continual improvement.

The institution has taken special initiatives for the effective curriculum delivery. It starts with Academic calendar which is prepared after serious discussions with all the stake holders and issued to all the departments at the beginning of the each semester with all the activities like guest lectures, Internal Assessments, workshops, Industrial Visits etc.,

Each department Head instructs and guides all the faculty to prepare detailed lesson plan with all the parameters like 1. Mode of Delivery 2. Date of Plan and Execution 3. Details of the prescribed Books 4. Activity Plan etc., The activities like Assignments, Online Tests, MCQs, Poster & Paper Presentation, Open Book Tests, Hands on sessions are included in the delivery of the course to improve the understanding of the concepts. Based on the Lesson Plan every faculty will prepare Course Material for the subject allotted to them well in advance.

Sairam ensures quality education through ICT based Teaching & Learning Process. Faculty prepares google site for their courses and the respective URL will be shared with the students. This consists of Faculty Profile, Lesson Plan, Video Lectures, notes and activities.

The attendance register and course files are maintained for each course by the faculty members and the HOD regularly inspects them to ensure effective course delivery.

We have a well-equipped digital library which provides modern web based teaching materials and encourages the faculty to use them regularly. It also maintains the university question paper bank.

The institution ensures the availability of the detailed course material, class notes, Question banks, Lab manuals, Model question papers, video lectures to the students.

Faculty is encouraged to attend various Faculty Development Programs to enrich skills in their specific domains and recommended to participate in the curriculum design discussions with the affiliating University.

Faculties are encouraged to register self-learning courses on NPTEL/SWAYAM/MOOCs platform to strengthen their knowledge to make effective curriculum delivery.

Slow learners are given special attention by conducting extra coaching for each subject and the advanced learners are motivated through project based learning and quiz programs.

Every student has been assigned with a mentor to share their academic difficulties.

In addition to the regular classes, the college also organizes certificate programs, special lectures, workshops and seminars by inviting experts from various fields to share their knowledge and experiences with the students to bridge the gap between the Academia and Industry.

File Description	Document
Any 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: 47

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	9	9	9	10

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View 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: 0.86

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	1	0	0

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

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years	
Response: 99.84	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 606	
File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented	
Response: 80	
1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.	
Response: 4	
File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document

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	
Response: 51.48	
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-	

wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
720	664	560	613	340

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

In order to combine the cross cutting issues like gender sensitization, Environment Sustainability, Human Values and Professional Ethics, our institution, nurtures the students to develop attributes, like gender equity and sustainability in academics which is prescribed in VTU curriculum.

Gender sensitization: The institution has a responsibility to build gender sensitivity among the students and staff. The value of gender equity needs to be integrated in the learning process through curriculum. Equal opportunities are given to both the genders in terms of admissions, employment, training programs, sports activities etc., so that gender issues do not arise. Management encourages all the faculty and students to participate in events focusing on women empowerment. Girls and boys participate in various co-curricular activities, group discussions and technical quiz programs. For the social security for female students “Anti sexual Harassment Committee” is framed by our institution. College supports women faculty and students to become member in forums and encourages them to participate in events focusing on women empowerment and promoting leadership qualities in women. To motivate the female faculties and girl students, Institution framed a cultural theme “**Empower Women**” during the academic year **2016-17**. International women’s day was celebrated in which female faculties and girl students participated in various cultural events.

Environment Sustainability: At present, we are living in a well-developed technological world. Technology has constructive results as well as adverse impact on our environment. There is an immense need to create awareness among the stakeholders regarding the need to sustain and preserve environment and make technology go hand in hand with the ecology rather than hamper it.

The institution organises programs like Swachh Bharat for improving the awareness of environment. Students are taken for industrial visits that educate them well on environmental issues. Some awareness programs are also initiated by NSS with extensively carried out activities to support environmental protection and ecological preservation. Eco Club conducts Awareness programs such as ‘say no to

plastic', 'walk more drive less' and 'save earth'.

Human Values and Professional Ethics: University itself included a course “Constitution of India & professional ethics”. Pass in the course is mandatory before the completion of their Degree. As per university norms, an Anti-Ragging committee has been framed to handle the issues regarding ragging. In addition the undertaking in Affidavit from both parents and students were taken during admission process which is related to the “Anti ragging Act”. Regular anti ragging committee meeting will be conducted along with Local Police Sub- Inspector. As a result the campus is ragging free and till date no cases for ragging is reported. To create awareness about Human values, Blood Donation camps will be conducted in our college campus every year. Professional ethics is defined as the personal and corporate rules that govern behaviour within the context of a particular profession. In this direction, the institution conducts various activities and programs to build value systems, professional ethics, good citizenry skills and the sense of being honest and practice equity, equality and nurture respect for each other.

File Description	Document
Any Additional Information	View Document

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

Response: 26

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

Response: 26

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: 52.79

1.3.3.1 Number of students undertaking field projects or internships

Response: 567

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

1.4 Feedback System

<p>1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>A.Any 4 of the above</p> <p>B.Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>Response: A.Any 4 of the above</p>	
File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: A. Feedback collected, analysed and action taken and feedback available on website</p>	
File Description	Document
Any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

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

Response: 5.87

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

2017-18	2016-17	2015-16	2014-15	2013-14
74	66	73	63	55

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 Enrollment percentage (Average of last five years)

Response: 58.93

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

2017-18	2016-17	2015-16	2014-15	2013-14
247	323	303	326	283

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

2017-18	2016-17	2015-16	2014-15	2013-14
480	480	480	540	540

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: 61.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
93	194	147	180	158

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

Our institution organizes induction and orientation programs for the newly admitted students every academic year to bridge the gap at the entry level for the students before the commencement of the classes. As per VTU and AICTE guidelines before beginning of regular classes, the institute ensures conduction of bridge course for three weeks to bring all the students at par on basic engineering concepts.

SSCE has been concentrating on the uplifting of the students performance from the day of their joining. Based on the marks obtained by the students in internal assessment and class performance, students are grouped as slow learners, average and advanced learners. Remedial and tutorial classes are organized for the slow learners while additional support such as support for Project, advanced guidance from faculties etc. are provided for advanced learners. During the first year, 15 students composite of three groups are affiliated to a faculty of Science & Humanities and later (after first year) to a faculty in their own department; who continue to be his/her mentor for the rest of the program.

A detailed mentor book is provided to the mentor for recording the feedback from the students. The Status of the Students after each IA and VTU results are updated along with attendance status and mentoring from first year to final year.

The data from class test, internal assessment test, university result sheets, attendance records are analyzed and those students who are not performing the internal examination are personally mentored to find out why they have not been doing well academically.

Remedial classes are conducted in evening after 4 pm for the slow learners to clarify doubts, explanation of critical topics for improving their academic performance. Revision of important topics in the failed subjects are done and monitored continuously.

The mentor is in touch with the student's parents frequently, poor performance due to frequent absenteeism is dealt by informing them over phone and sending registered letters to the parents of such students.

Parent teacher meet once in a semester after VTU results helps to find out the reasons for not doing well in studies or continued absenteeism which helps to build a rapport among the parents, and in turn it help to improve the students' performance.

The college recognizes and promotes the skills and knowledge of the advanced learners by allowing them to do research projects. Institution provides hands-on training, merit scholarships and sponsors their innovative projects with travel concession to participate in events.

The institute has a higher education cell with respective department coordinators to guide the advanced learners, who wish to do their higher studies in abroad. The central library has a collection of over 1000 books and e-material for preparing for competitive examination via GATE, CAT, GRE, TOEFL, etc.

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

2.2.2 Student - Full time teacher ratio

Response: 9.85

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

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

Considering students as the most important stakeholders of the Institute, various activities are conducted by our Institute during the semesters:

Participative Learning:

- Interactive learning through regular classes supported with seminars, quiz, role play, debates, brain storming sessions etc.
- The faculty use chalk-board and audio-visual aids in teaching. Students are also encouraged to interact during the lecture hours by getting the doubts clarified on the spot.
- In the 8th semester, a period is set apart as the seminar session in the Time table itself for which the students come prepared and deliver a lecture in the class on a pre-assigned topic.
- Entire academic building is enabled with free Wi-Fi facility to make available all e-learning materials.
- In addition to the collection of audio visual aids in the central library, departmental libraries also have their own collection, to promote easy access.
- Our college is unique in having a club/ association with every department which organizes number of student centric activities.
- Alumni are invited for guest lectures and thereby nurturing as a continuous process through IGNITE lecture series.

Experimental learning

- Students do 2 laboratory courses per semester from 1st to 7 th semesters. More than the required number of experiments, beyond the minimum specified by the university is performed. The entire laboratory have excellent facilities, both hardware and software based.
- During the period of study in the 8th semester, many real time projects are given to the students and they are guided by both the faculty and the Industry/Research personnel. Most of the final year UG projects are Industry based real time projects. Students are encouraged to participate in competitions conducted by various agencies colleges and organizations.
- Students are motivated to go for summer training, internship, in-plant training in leading industries and research institutes. Interactive instructional techniques are adopted through focused group discussions, debates and presentations.
- Technical Societies and Student chapters of National/International Associations are active and students are encouraged to present technical papers at National/ International Conferences

Problem Solving Learning

- Institute motivates students to participate in various technical events like Hackthons, Smart India Techathon, Project cpmpetitions , idea submission contest in various government and non government events etc.
- By conducting tutorials the students will have better understanding of the course.
- In the tutorial classes allotted for certain problem oriented subjects, students are formed as small groups and discuss among themselves to solve the problem and teacher will be present in the class

and they act as facilitators.

- After completing some topics students are encouraged to analysis and design a simple model or prototype for real time applications

The students are motivated to register for online NPTEL Certificate courses in addition to their regular curriculum to enhance their advanced learning

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: 68.81

2.3.2.1 Number of teachers using ICT

Response: 75

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	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: 12.94

2.3.3.1 Number of mentors

Response: 83

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Our teaching faculty's endeavour is to follow the Teaching-Learning method meticulously so that both the

participants get benefit and value addition to their efforts. Traditional teaching has been replaced with more innovative ways of disseminating and facilitating in the knowledge development of the students.

The following are the technologies and facilities for effective teaching and learning:

- The institute Introduced ICT platforms are provided to facilitate independent learning wherein students can access course contents online. Thus ICT platforms bridge the gap from classroom learning, and also supplement advanced learning.
- Students are encouraged to involve in Projects related to competitions and workshops related to core disciplines such as HACKATHONS, Cloud Computing, App Development, Project Expo, Auto Quiz conducted in and outside of the college to gain practical experience.
- The Management and the faculty members motivate and encourage the students to participate in the Tech Fests, Youth Fests and cultural activities to improve their organizational and leadership skills and help them to develop creativity and critical thinking.
- Students are motivated to take up internships and industry oriented projects.
- The college alumni meet is conducted once in a year. The Alumni interact with the existing batches and share their ideas as entrepreneurs, industrialists and professionals which in turn motivate the students of how to shine in their future.
- The students are encouraged to design their own projects using the available equipment in the laboratory and software
- Guest Lectures/ workshops are organized by inviting experts / resource persons on advanced topics for the benefit of students and faculty.
- All departments are well equipped with ICT-enabled facilities for teaching-like computers with internet facility LCD projectors in class rooms and online content are used by teachers where the courses need updated information.
- During Industrial visits and training program, they are exposed to new trends providing a blended learning pattern.
- Video conferencing facility, Workshops and Seminars are held by the college and the faculties are also encouraged to attend seminars and conferences. Faculties use e-learning resources like NPTEL Videos/pdf and open e-learning resources Internet facilities are available in every department in computer labs and classrooms for video lectures by using LCD projectors.
- New faculty are encouraged to participate in Faculty Development Programs from time to time intensify the learning experience of the students.
- The passionate students are given opportunities to make effective use of the laboratory facilities in the campus to create their own applications and carry forward their research activities.
- The College conducts seminars, debates, elocution competitions to improve Listening Speaking Reading and Writing skills of the students and explore new ideas.
- Students are encouraged to participate in the social activities and sports to improve their interpersonal and team skills.
- The College Management invites eminent scientists, entrepreneurs, industry persons and academicians to share their experiences and success stories with students.
- Faculty share the practical ideas with students for incorporating more active learning into their teaching and provide interaction that includes a high percentage of class time with hands-on and problem solving opportunities to students.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 100	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years				
Response: 1.98				
2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years				
2017-18	2016-17	2015-16	2014-15	2013-14
3	1	0	2	5
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 per full time teacher in number of years	
Response: 12.5	
2.4.3.1 Total experience of full-time teachers	
Response: 1363	

File Description	Document
Any additional information	View Document

2.4.4 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: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

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

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

Response: 12.67

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	11	7	8	44

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

2.5 Evaluation Process and Reforms

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

Response:

The evaluation of the students has become an internal as well as an integral part of the teaching-learning process. The assessment of the students has taken into account a number of essential abilities such as drive and capacity for hard work, problem solving, group discussions, periodical submissions, quiz, mini-project, assignment and seminar throughout the semester, with weightage for the different components being flexible as decided by the subject teachers.

The institution takes following measures to make internal evaluation:

- o In the beginning of every semester, the Academic Monitoring Committee, in consultation with the Principal, prepares the academic calendar which contains the internal assessment test schedule.
- o The above information in the academic calendar is brought to the notice of the students and staff members by circulating and displaying it on notice boards before a week.
- o Questions are framed, such that they adhere to VTU standard. It follows the Bloom's Taxonomy and Outcome based Education in which CO's are attained.
- o There are 5 Course Outcomes (CO's) for each subject. The subject handling faculty prepares question bank that covers equal number of questions from each module/unit, covering all the CO's
- o The internal assessment test is conducted by the centralized internal assessment cell
- o Faculty prepares the Scheme of evaluation and it is documented with a copy of sample question paper for the future reference.
- o Students are allowed to go through the valued answer scripts of internal assessment tests and in case any discrepancy is detected, the student can bring it to the notice of the faculty for appropriate action.
- o Internal Test performance are intimated to students and Progress report is communicated within a scheduled time
- o The results of the internal assessments are reviewed and weak students are shortlisted. Such students are given remedial classes.
- o Parent-teacher meet is conducted and parents are aware of their wards performance.

Whenever class tests, internal assessment tests are conducted the results of the student's performance are used by the faculty to identify slow and advanced learners. Students are encouraged to improve their performance in future by counseling .As mentors and advisors of the students, nearly 20 students are entrusted to each faculty member. The mentors sort out the personal issues, academic and non-academic problems of their mentees and provide counseling and guidance.

File Description	Document
Any additional information	View Document

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

Response:

- o The institution is affiliated to VTU, the rules and regulations for evaluation process are laid down by the affiliating University and are communicated to students through syllabus copies supplied in the beginning of first year of their academic program.
- o As per the University guidelines three internal tests are to be conducted for 30 marks each and average of two best tests(2015 Scheme) or all three(2017 Scheme) will be contributing to theory marks of semester end examination equivalent to 20% (2015 Scheme)/ 40%(2017 Scheme).
- o Students are given general instructions regarding the evaluation methods of University answer scripts. The periodic instructions issued by the university are promptly communicated to the students. Such instructions are read in the classrooms and the copy of the same is displayed on the student's notice board.
- o Syllabus for internal assessment will be communicated to students well in advance.
- o Question papers are set based on Course outcomes and are approved by heads of the department. Scheme and Solution are prepared by the faculty. IA question papers are reviewed prior to test by the internal faculty in the department
- o Evaluation is strictly as per the scheme prepared.
- o Complete transparency is maintained during the process of internal assessment, the evaluated internal assessment books are shown to students for clarification.
- o The evaluation process is discussed thoroughly in the HOD's meeting with principal.
- o **10% of total test books of each subject are taken randomly and reviewed by other faculty in the department, any discrepancy will be intimated and necessary action taken.**
- o The students can approach the teachers in case they need a clarification on the award of marks based on the scheme of valuation discussed in the class.
- o Retests are conducted to the students who apply in advance for the same with genuine reasons.
- o Theory subjects are assessed through: Three internal tests, University external exam and activities.

All answer books are preserved and documented as per university norms.

File Description	Document
Any additional information	View Document

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

Response:

The institution is affiliated to VTU and University has its own system for redressal of grievances.

- o With reference to evaluation, if the student has scored less mark than expected, he/she can apply for on-line revaluation of his/her answer script after paying the prescribed fee.
 - o Also the student can apply for a photocopy of his/her answer script. The photocopy is mailed to the Email-id provided by the student.
 - o After reviewing the photocopy of answer scripts if the student deserves more marks he/she can apply for revaluation of that particular subject, with the concurrence of concerned subject handling faculty/HOD/Principal.
- At institution level, grievances related to evaluation are normally redressed by the concerned faculty/Head of the Department/Principal depending on the intensity of the problem.
- o The students against malpractice cases are registered in the internal assessment / model examination are dealt with judicially.
 - o Materials of cheating are confiscated and their records are maintained. The students are given opportunity to clarify their positions.
 - o The institute constitutes a committee to look into the matter and appropriate measures are taken transparently within the time limit.
 - o The students can discuss their grievances regarding Class tests about the internal evaluation process with Mentors, Class teachers. If not resolved then students can approach to Head of the department and Principal.
 - o All complaints are addressed with utmost priority and solved in minimal time.
 - o Parents are informed about evaluation process during parents meet, induction program and directed to visit the university websites.
 - o Retests are conducted to the students who apply in advance for the same with genuine reasons.

File Description	Document
Any additional information	View Document

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

Response:

- o The Academic year of college starts in accordance with the schedule given in the Academic Calendar of University. Then in accordance with university calendar, college prepares the own academic calendar.
- o The College announces academic calendar for every semester and distributes to all the Stake holders and displayed in college website. The academic calendar provides date of commencement of the academic session, duration of the semester, period of internal assessment test and final semester examination. Striking features of the academic calendar are highlighted for teaching days, events planned for the semester, state government and local holidays.
- o The Schedule for academic oriented activities like seminars / workshops / conferences to be organized, subject experts to be invited for Guest lectures, cultural programmes for various activities, schedule project reviews are decided in the respective departments / committees / clubs etc., are provided.
- o The institution strictly adheres to academic calendar for the conduct of CIE.
- o Internal tests are conducted by centralized IA test cell on the dates planned in academic calendar.
- o Results of internal assessment are declared and communicated to students within a scheduled time.
- o Every department conducts project progress review and seminar presentations as per standard procedure set by each department according to academic calendar of department. This is the part of internal evaluation.

File Description	Document
Any 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:

Preparation and Dissemination of Program Outcomes, Program Specific Outcomes and Course Outcomes

- Outcome Based Education (OBE) is implemented to give emphasis on what is expected from the

students when they finish their course in the form of Course Outcomes.

- In line with Course Outcomes, Program Specific Outcomes (PSOs) and Program Outcomes (POs) are then attained to measure the performance of the students
- This OBE is mandatory in all regulating bodies like NBA, NAAC and other Accreditation Committees
- A set of Program Outcomes are given by the AICTE to be followed by all the institutions Keeping all the Program Outcomes in mind every department prepares its Program Specific Outcomes
- Based on the Program Outcomes and Program Specific Outcomes, the faculty of all departments then prepares the Course Outcomes for all the courses offered by the University.

Procedure for preparation of Program Specific Outcomes and Course Outcomes

- Every Department of the Institution states its Program Specific Outcomes (PSOs) specific to its Department with respect to Program Outcomes (POs) given by AICTE
- Course outcomes are direct statements that describe the essential and enduring disciplinary knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course.

Mechanism for Communicating Program Outcomes, Program Specific Outcomes and Course Outcomes to Teachers and Students

- Every Department of the Institution publishes its Program Specific Outcomes (PSOs) along with the Program Outcomes (POs) given by AICTE and Course Outcomes (COs) of all its courses in the college website.
- POs and PSOs are displayed in Staff rooms, Offices of Heads of Departments , all the classrooms, corridors and laboratories CO is displayed in display boards of laboratories.
- Students and staff are made aware of these through various meetings, classroom teaching, lab experiment, and interaction sessions. Program Outcomes (POs) and Program specific Outcomes (PSOs) are discussed in student induction program, to get clear idea of what they are going to learn
- The course outcomes are also communicated to students through Internal and Assignment question papers wherein every question is provided with the CO it belongs to Concern.

File Description	Document
Any additional information	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:

The procedure for evaluating the attainments of Program Outcomes, Program Specific Outcomes and Course Outcomes

The attainment of Program Outcomes and Program Specific Outcomes is evaluated by taking 80 % of the Direct Assessment and 20 % of the Indirect Assessment. Whereas the Course Outcomes are evaluated based on Direct Assessment only.

Procedure for Attainment through Direct Assessment (80%):

A meeting is conducted in the individual departments where faculty are requested to map the relation between the Course Outcomes (COs) and Program Outcomes (POs)/Program Specific Outcomes (PSOs) based on the below given conditions: If the concept of CO is matched 80% or more with the concept of PO's (or) PSO's, it's mentioned as level 3 (Highly Related) In between 60% to 80% with the concept of PO's (or) PSO's, it's mentioned as level 2 (Moderately Related) Less than 60% with the concept of PO's (or) PSO's, it's mentioned as level 1 (Slightly Related)

Direct Assessment Tools: Internal Assessment (Conducted at Institution Level for 25 marks)

Internal assessment consist of the following three components:

- 1.It contributes 5 marks
- 2.It contributes 10 marks
- 3.It Contributes 10 Marks

This examination is conducted twice in a semester to assess student's knowledge in the various subjects studied in the respective semester

University Examination (Conducted at University Level for 75 marks):

This examination is conducted at the end of the semester for assessing the student's knowledge in the various subjects that he or she studied during the entire semester Internal assessment and University Examination results serve as an input for calculating attainments of all the outcomes.

Procedure for Attainment through Indirect Assessment (20%):

This indirect assessment contains feedback from various stakeholders such as alumni, parents, students, faculty and employer along with survey. Based on the feedback collected in a scale of 5 which is then converted to scale of 3 to match with the Direct Assessment. The final PO and PSO attainment is calculated by adding 80% of Direct Assessment and 20% of Indirect Assessment.

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

2.6.3 Average pass percentage of Students

Response: 94.83

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 257

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

Response: 271

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

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 (INR in Lakhs)

Response: 49

3.1.1.1 Total Grants for research projects sponsored by the 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)

2017-18	2016-17	2015-16	2014-15	2013-14
19	5	7	8	10

File Description	Document
List of project and grant details	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 1.24

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

Response: 49

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 198

File Description	Document
Any additional information	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:

Sri Leo Muthu Innovation Centre has been set-up and is open 24×7 where our students work with their innovative ideas and build real-time projects/products. Our students from different disciplines come together with common objective of creating projects using cutting-edge technologies by integrating their engineering skills. The students are highly inspired and motivated to take-up challenging projects and work on them. They have also participated in various national and international level, well recognized events and competitions such as Smart India Hackathon ,VTU project Competition etc. , have also won attractive Cash prizes.

The institution has an exclusive IEDC cell with incubation Centre meant for **Project to Product** conversion and to run **Student Run Venture (SRV)** module. The INCUBATION CENTRE has the capacity of 4 workstations and all the amenities like WIFI and other infrastructure facilities in college premises.

Department of Mechanical engineering is recognized as the Research Centre by the University and is equipped with all the research facilities. College has a digital library with high speed Internet and have access to many National and International journals.

The institution is taking continuous efforts to attract the best minds to visit the campus and interact with the student and faculty to create awareness on the various research opportunities in the emerging areas of science and technology.

Our students are participating in all research activities like seminars, guest lectures, conferences, mini projects & technical symposium etc.

The students have published their papers in international and national journals and have also won prizes in various technical competitions at national level.

A good number of National and International Conferences, Workshops, FDPs are regularly being organized within the campus to update our knowledge on par with industry standards

Cash awards has been given to the faculty members for their research publication for both national / international journal publications.

Faculty members are guided for getting the funded project and the required motivation is given for implementing the funded projects.

Entertaining faculty Members for industrial consultancy projects in their field of expertise through Industry Institute Interaction Cell.

College subscribes are provided with free subject journals, e-journals and other online resources. Industrial visits & Study tours are regularly arranged to enhance the students' subject knowledge. Soft skill

development programs for the final year students are also conducted to improve their communicating abilities.

Management continuously motivates the students and the faculty members for presenting their papers in international conferences with partial sponsorships.

Full support is provided to the students for incorporation, funding of software projects and other related facilities.

Our institution is in collaboration with the **various incubators such as TLABS, HA etc.** group for assistance with incubation of the startup and also for funding of the startups through various Angel and VC funds.

Students of Sairam College of Engineering are participating in **Smart India Hackathon** conducted by Government of India for the last three years and around 11 teams have been Shortlisted for the finale where one team **Won cash prize of Worth Rs 1,00,000 held in Mumbai during March 2018.**

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: 81

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

2017-18	2016-17	2015-16	2014-15	2013-14
23	19	12	14	13

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

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

File Description	Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years**Response:** 0

3.3.3.1 How many Ph.Ds awarded within last five years

3.3.3.2 Number of teachers recognized as guides during the last five years

File Description	Document
URL to the research page on HEI web site	View 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

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years**Response:** 0.95

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

2017-18	2016-17	2015-16	2014-15	2013-14
35	50	17	5	3

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: 1.73

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

2017-18	2016-17	2015-16	2014-15	2013-14
84	68	46	0	3

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

- The institution has undertaken many activities that had a great impact on the faculty members, students and the neighborhood.
- The popular cleanliness initiative started by the Government of India “**Swachh Bharath Abhiyaan**” has been actively undertaken by our institution and tasks like cleaning outside the campus, eradication of plastics bags, gardening, sweeping etc, were conducted.
- Celebration of national festivals like Independence Day, Republic Day, Constitution Day, Womens Day, Yoga Day, etc.
- Computer Awareness is provided to the Government school students under the banner **Internet Mela**
- **Blood Donation & Health Camps** are conducted in bi annually.
- Students have also participated in the **Make- in- India- Campaign**.
- We have extended our support by providing funds towards the **PM Relief fund** for national calamities such as flood, earthquake, Tsunami.

- **Entrepreneurship Awareness Camp** has been conducted for all the students in different slots in association with **IEDC** to improve their entrepreneurial skills
- Tree Plantation in association with the forest department
- **NSS** volunteers will be sent to monitor the crowd and to serve the basic necessity during the carvel in the holistic places of the surrounding areas.
- Our Teams of students, who have Designed, Analyzed and Manufactured on their own an Autonomous Underwater Vehicle- AUV [Underwater Robot], Mars Rover, CANSAT, Students Formula Vehicle, All-Terrain Vehicle, Android Apps for Farmers, Fire fighting Drones, Surveillance RC Crafts, Solar Single Seater as well as Multi Seater [6 Seater] Vehicle, Electric Bike and Go-kart Vehicle. Last year all these team have participated various events in India as well as Singapore and brought laurels to College. It has also been appreciated by various News Paper as well as Media.
- Every year, while conducting Annual Day, the institution has the culture of promoting themes related to the current societal issues like Go Green, Global Warming, Save Energy, Support Farmers, Save Water to bring awareness among the students and other stake holders of the institution.
- Motivating students to develop their projects in areas like agriculture, waste management, health, renewable energy etc.
- Annual special camps conducted in various villages of Anekal Taluk
- There are around 30 student clubs namely Nature & Wild life, Eenergy Efficiency, Adventure Club, Quiz Club, Entrepreneurship, Robotics, Women's Forum to name few. Each student of the institution has registered in maximum. of 2 clubs. These clubs will be functioning student centric and will be run by the students under the supervision of a staff coordinator.
- Programmes like Parisara Samrakshane, Child Abuse Awareness, Renewable Energy, What Next for 10th standard students, Hygiene for healthy living were conducted at various government high schools/primary schools in villages like Chikkahosahalli, Thimmayyanadoddi, Choodahalli, Indlawadi and Thammanaayakanahalli, Anekal Taluk
- Various awareness activities like Vignanweshana, Clean India healthy India, Save water, Dengue awareness, Gender awareness programme, Save wild animals, Tips for healthy living, Protection of environment, My Village - My Responsibility, Rain water harvesting, Applications of science in daily life and many more in government schools (in and around Anekal Taluk) through government approved NGOs like Narendra Nambikkai Natchathira, Nature and Wildlife Conservation Committee and Advithi Foundation.

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

Response: 46

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

2017-18	2016-17	2015-16	2014-15	2013-14
17	11	13	2	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 Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 37

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	10	6	7	4

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	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: 70.94

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

2017-18	2016-17	2015-16	2014-15	2013-14
986	733	708	770	800

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	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: 7

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

2017-18	2016-17	2015-16	2014-15	2013-14
6	1	0	0	0

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

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 48

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 (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
13	11	8	5	11

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

The vision of the college Management is to constantly improve the students learning environment with a new approach & methods of learning prospects that will impact their future. The success of the Institution lies on teaching learning process. To strengthen the process, the college has all the required infrastructure in place. College is actively trying to improve the quality of the knowledge imparted to the students by having a digital library, R & D cell, IEDC Cell, Innovation centers. Students are encouraged to pursue their project work in the emerging areas of research. The institution also organizes several seminars, talks, workshops, faculty development programs related to emerging technologies to update everyone in their respective fields.

The campus is spread over an area of 25 acres with a plinth area of 23789 sq.m comprising classrooms with proper ventilation, laboratories, smart classrooms, and library.

The central Library is stacked with the necessary books pertaining to the syllabus as well as extra reference material. The students are permitted to borrow books as required. Online resources that provide access to e-journals, research papers are made available to the students to update with the latest findings and studies.

Wi-Fi and LAN facilities are provided and internet for the students for instant accessibility of knowledge. This allows students to surf the internet for academic purposes such as researches, project work and more. The access however is monitored.

The laboratory is furnished according to statutory norms. Keeping the curriculum in mind, the laboratory is equipped with resources for necessary procedures designed to dispense the practical knowledge of students for a hands on experience. All Safety measures are taken. The labs are maintained in clean and hygienic manner.

Each department is equipped with sufficient number of computers.

All departmental labs are installed with the prescribed software. Several other facilities such as the seminar hall with 650 capacity , Sir M.Visvesvaraya AV Hall with 125 capacity, libraries are made available to the students to encourage them to participate in all events. These facilities are provided with a vision to improve their academic activities and career through skill enhancement.

File Description	Document
Any 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, Outdoor and Indoor games, gymnasium

Sports facilities have been established for various games inclusive of cricket, Football, Volleyball, Throwball, Kho-Kho, Kabbadi, Archery etc; to ensure the focus of the institute in providing extra-curricular activities of the students. Separate and spacious hostels are provided for both boys and girls from various regions of the nation.

Sports Complex (Indoor Stadium)

Chess

Shuttle Badminton

Table Tennis

Carrom

Gymnasium:

1) 12 station multi Gym

2) 5 no's dumbles

3) Z bar & 3 set plates

Cultural Activities

Sai Samskruthi, the cultural bastion of the college which provides a platform for students to exhibit and develop their talents. Every year, a wide variety of artistic, literary, Music, Dance and other creative talents are identified and recognized through a series of inter- Departmental competition. Students are provided opportunities to win more accolades in intercollegiate competitions. Celebrations of Ethnic Day, rainbow Color Week and the annual College Day, a colorful extravaganza of music, dance and drama which marks the highpoint of each academic year, make for a vibrant college environment.

Every year our college comes up with new theme. On this theme, events like Pencil Sketching, Skit, Essay Writing, Rangoli, Photography competitions will be held & winners & Runners will be awarded with Medals, certificates during college Annual Day celebrations.

Hostel day is organized for Hostilities to encourage & make them to understand each other & bring harmony among the students.

File Description	Document
Any additional information	View Document

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 30

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

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

Response: 5.17

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

2017-18	2016-17	2015-16	2014-15	2013-14
7.14	24.18	30.6	45.06	20.5

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 Sairam College of Engineering Central Library works towards building user centric resources, integrate technological applications to augment resource management and service standards.

Technology application and automation in the library:

- Library is fully automated using EASYLIB software 3.0 version with OPAC facility
- Bar-coding Technology – all books and user Ids are bar-coded for faster and error free transactions
- Online e-resource services – access to vast collection of quality electronic resources
- Automated visitors management system
- CCTV surveillance system
- Digital library with digital resource management facility
- Remote access facility for accessing e-resources at user's convenience.
- Automated feedback technology
- Automated stock verification.
- Automated resource classification system
- NPTEL resources
- Digital library: institutional repository

Library automation implemented in the year 2004 using LIBASOFT software. All important activities of the library were automated. Database of books and other resources, user database were created through automation software. Circulation of books, report generation, serials management, and stock verification are done through automation software.

Benefits of library automation:

- Library resources transactions have become fast and error free.
- OPAC- is one of the crucial benefits from library automation. It facilitates searching of books and other resources available in library
- Reports generation facility has become handy tool for library staff. Various types of reports related to library resource collection, users, circulation of resources, user visits can be generated.
- Stock verification was a time and labor consuming activity. With the automation, the time requirement had been reduced to one week from one month. Also it has become error free.

Eventually, Bar-coding technology was implemented in the year 2006. Circulation of resources, and stock verification process are optimized through bar-coding technology. User identity cards are also bar-coded for more effective transactions. E-resources subscription and services are started in the year 2007.

We switched to easylib software in the year 2010. Easylib is multifaceted software that accommodates all modern features required for technical libraries. The front end of the software is Visual Basic and back end is SQL. The software enables automation of all types of resources, effective circulation, multi-query based search, versatile report generation; visitor management system, and auto-classification are the important features of the software.

Important Modules in the software:

- **Masters:** courses, subjects, resource categories, publishers, vendors, issue privileges, loan duration and fine, shelf details, etc. can be created in the module.
- **Book:** books addition, books records editing.
- **Journals:** Journals subscription maintenance.
- **Lending:** Books issue, return, renewal.
- **Stock Verification**
- **OPAC:** for searching and finding availability of resources in library
- **Reports:**
- **Member visit:** making entries of user log in and log-out
- **Others:** rights management, barcode generation, fine receipt
- **Backup-** for taking data back-up.
- **User :** registering, discharging, and promoting users

Digital library: to manage and disseminate the internal digital resources, we installed open access software 'Dspace'. A repository of digital resources has been developed using the software.

File Description	Document
Any additional information	View Document

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

Response:

Sl.NO	Books Details
1.	<ul style="list-style-type: none"> • Name of the Book - Encyclopaedia Britannica volume 1 to volume 30 • Name of the Publisher - Encyclopaedia Britannica, Inc. • Name of the Author Encyclopaedia Britannica, Inc. • Number of copies - 30 • Year of publication - 1997
2	<ul style="list-style-type: none"> • Name of the Book - World Of Science : Vol.1to vol.6 • Name of the Publisher - Andromeda Oxford Ltd. • Name of the Author - Andromeda Oxford Ltd.,

	<ul style="list-style-type: none"> • Number of copies - 6 • Year of publication - 1994 	
3	<ul style="list-style-type: none"> • Name of the Book - 71 Science Projects • Name of the Publisher - Pustak Mahal • Name of the Author - GARG (C,L) • Number of copies - 1 • Year of publication -1998 	
4	<ul style="list-style-type: none"> • Name of the Book - Britannica Ready Reference Encyclopedia Vol.1 to 5 • Name of the Publisher - Encyclopaedia Britannica • Name of the Author - Inc. • Number of copies - 5 • Year of publication -2005 	
5	<ul style="list-style-type: none"> • Name of the Book - Gandugaligala Aata : Kabbadi • Name of the Publisher - Individual Publication • Name of the Author - SUNDAR RAM (M,J) • Number of copies - 5 • Year of publication -2011 	
6	<ul style="list-style-type: none"> • Name of the Book - 1999 Britannica Book Of The Year • Name of the Publisher - Ency Britannica Inc • Name of the Author - Ency Britannica Inc • Number of copies - 1 • Year of publication -1999 	
7	<ul style="list-style-type: none"> • Name of the Book - 2000 Britannica Book Of The Year • Name of the Publisher - Ency Britannica Inc • Name of the Author - Ency Britannica Inc • Number of copies - 1 • Year of publication -2000 	
8	<ul style="list-style-type: none"> • Name of the Book - 501 Fascinating Facts • Name of the Publisher - Pustak Mahal • Name of the Author - Pustak Mahal • Number of copies - 1 • Year of publication -1998 	

9	<ul style="list-style-type: none"> • Name of the Book - Creation Of Wealth : The Tata Story • Name of the Publisher - Pustak Mahal • Name of the Author - LALA (R,M) • Number of copies - 1 • Year of publication -1998
10	<ul style="list-style-type: none"> • Name of the Book - Jawaharlal Nehru`s Speeches (1957-63) • Name of the Publisher - Ministry Of Information & Broadcasting • Name of the Author - Ministry Of Information & Broadcasting • Number of copies - 1 • Year of publication -1998
11	<ul style="list-style-type: none"> • Name of the Book - Thoughts On Achievements • Name of the Publisher - S. Chand & Co., • Name of the Author - S. Chand & Co., • Number of copies - 1 • Year of publication -1999
File Description	Document
Any 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: 8.72

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

2017-18	2016-17	2015-16	2014-15	2013-14
9.42	13.4	11.52	8	1.28

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
Any additional information	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

4.2.6 Percentage per day usage of library by teachers and students

Response: 12.68

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

Response: 150

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has more than 24 WiFi hotspots provided to cover the wireless range throughout the college. All computers in the campus are connected to the internet as it is essential for them to work, also surplus Ethernet ports are provided for laptops or other devices in need of internet connectivity. A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc. The entire campus including Hostels has Wi-Fi connectivity and speed of the internet connectivity is 65Mbps, 45Mbps provided by D-Vois and 20Mbps by Seans Media Private Limited .

Wi-Fi Access Points were installed in the following various locations.

Sl.no	Installed Location	Device
1.	CSE	2
2.	ECE	1
3.	S&H	1
4.	Library	1
5.	Mechanical	2
6.	EEE	1
7.	Placement	1
8.	R&D	1
9.	PRINCIPAL OFFICE	1

10.	Accounts	1
11.	BOYS HOSTEL	2
12.	GIRLS HOSTEL	1
13.	GUEST HOUSE	1

S.No	Year	Internet Speed (mbps)	Description Service Provider
1.	22-11-2011	6	Aircel
2.	28-11-2011	6	Aircel (Up-gradation from 4 mbps to 6 mbps)
3.	09-11-2012	10	Sify Technologies Limited (Up-gradation from 6 mbps to 10 mbps)
4.	4-10-2013	20	Airtel (Up-gradation from 10 mbps to 20 mbps)
5.	13-02-2014	10	Maruthi Satellite System
6.	20-05-2014	10	Maruthi Satellite System
7.	20-11-2014	10	Maruthi Satellite System
8.	26-05-2015	20	Aircel (Up-gradation from 10 mbps to 20mbps)
9.	12-11-2016	35	Aircel (up-gradation from 20 mbps to 35 mbps)
10.	9-5-2018(till Present)	45 and 20 Total= 65	D-Vois Seans Media Private Limited

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio	
Response: 2.41	
File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
>=50 MBPS	
35-50 MBPS	
20-35 MBPS	
5-20 MBPS	
Response: >=50 MBPS	
File Description	Document
Any additional information	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

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: 14.43	
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)	

2017-18	2016-17	2015-16	2014-15	2013-14
93.9	74.88	68.76	81.20	51.73

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Any additional information	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:

Laboratories and Computing Facilities

The institute has dedicated Systems and Maintenance department with experienced and well trained staff who ensures round the clock to upkeep of Lab equipments and computing facilities. All Laboratories are having standalone/dedicated computers and network systems. These are monitored by respective departments and well supported by systems department. All the computer maintenance, software installations and networking are handled by IT department. Students and faculty members are provided separate login credentials to access the internet. Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab.

Library Stock Maintenance System:

Central library holds collection of more than 27,000 books and has subscription to Journals/Technical magazines of national and international repute. To keep track and easy accessibility of all Library Books, Stock Verification Process using Bar Code Technology as a part of Library Management software is conducted yearly during Non-Academic period.

Sports Facilities:

A well experienced Physical Director has been appointed for sport facilities. Institute has a football, basket ball, Kho-Kho ground and a volley ball ground. Students are encouraged to participate outdoor sports activities, ensuring physical fitness levels at all times.

Power Supply and Electrical Maintenance

Power supply is maintained by our technicians through proper system and electricity is supplied by the electricity board/ captive gensets for 24hours. A Kirloskar-Make power generator (325-KVA and 125 KVA) is installed in the campus to handle the occasional power shut down 212 KWP Solar rooftop power plant has been maintained by the institution.

Maintenance of Electrical and Electronic Equipments:-

Regular check up of equipment is carried out at the end of every semester. Breakdown register is maintained in the laboratories. As per the requirement minor repairs are carried out by the lab assistant. Maintenance of computers is taken care by IT and COMPUTER department. Major repairs are outsourced as per the procedure of the institute. The faulty trainer kits are serviced by service engineers of specified companies. The measuring instruments are calibrated regularly by standard companies . Annual Stock verification is done by the staff members of other department and the report is submitted to the Principal.

File Description	Document
Any additional information	View Document

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: 39.15

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

2017-18	2016-17	2015-16	2014-15	2013-14
542	619	496	308	237

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

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

Response: 5.72

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

2017-18	2016-17	2015-16	2014-15	2013-14
54	118	57	58	37

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

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

Response: 56.24

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

2017-18	2016-17	2015-16	2014-15	2013-14
1016	520	510	529	578

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 benefited by Vocational Education and Training (VET) during the last five years**Response:** 66.06

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

2017-18	2016-17	2015-16	2014-15	2013-14
660	777	775	746	780

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

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 32.34

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

2017-18	2016-17	2015-16	2014-15	2013-14
163	108	77	49	32

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

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

Response: 0.8

5.2.2.1 Number of outgoing students progressing to higher education

Response: 2

File Description	Document
Upload supporting data for student/alumni	View Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	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/ TOEFL/ Civil Services/State government examinations)

Response: 100

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	14	19	5	18

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	14	19	5	18

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	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: 5

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	2	3	0	0

File Description	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
Any additional information	View Document

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

Response:

The institution does not have any formal student council. However, a committee is constructed with class representatives from each department which function as student council. The student committee communicates the issues and grievances of the students to the competent authority. The members of the council are selected. Students' representatives are present in various academic and administrative bodies. For example, the IQAC contains two student representatives; Committee on Anti Sexual Harassment contains two students from each department. Student representatives are part of important decision making process of the IQAC related quality aspects of the institution. Student representatives contribute their suggestions and views in the following committees.

1. IQAC
2. Anti -Ragging Committee
3. Class Committee
4. Outreach Programme Committee
5. Department Associations
6. Sports Committee
7. Placement committee

The institution has also constructed a functional Student Council. The student council meets once every month to discuss the areas of improvement related to various quality aspects of teaching learning and student support. Minutes of every meeting are maintained and the recommendations are communicated to the Internal Quality Assessment Committee through the student representatives of the IQAC.

File Description	Document
Any additional information	View Document

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

Response: 3.8

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

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	2	3	3

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

The Alumni association actively participates in the overall development of the students in terms of being guest, participation in entrepreneurship awareness camps, conducting workshops, Guest lectures, industry interactions, talk shows and building references to the students aspiring higher education.

They help in networking and offers academic scholarship for meritorious students from economically backward section.

Teachers are connected to the students through social media like LinkedIn, Face book, Twitter and Whatsapp groups.

They update them about latest trends in the job market, opportunities for higher education and most sorted out courses, start up opportunities, funding and exchange of ideas and educate students on it.

The association adds value in participating in sorting out the challenges faced by the institution and offer technological solutions to it. The association also helps in setting up the startups and mentoring it. It also helps students through peer learning. The association also constitutes an award for the young engineers from poor economical background in the memory of the student friends.

The contribution of alumni students through transfer of knowledge through programs like digital marketing and entrepreneurship programs are continuously conducted which helped a healthy interaction with the prospective professionals.

The programs are tailor-made and focused to deliver the essentials of bridging the gap between the academia and industries.

The alumni as volunteers contribute to the development of students and institution and be connected through digital media.

File Description	Document
Any additional information	View Document

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 3 Lakhs - 4 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

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

Response: 5

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

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

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

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:

THE SYSTEM OF GOVERNANCE

- The Founder-Chairman of Sri Sairam college of engineering, Bangalore, MJF Lion Leo Muthu was an Indian Philanthropist, educationist and businessman. He established the educational trusts for providing engineering education with high quality. The college was established in the year 1998 at Magadi road, Bangalore and functions under Saphthagiri Educational Trust.
- The Institution is headed by Mr. SaiPrakash LeoMuthu, CEO an engineering graduate with management skills 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.

PERSPECTIVE PLAN OF THE INSTITUTION

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

- Enhancement of Quality admissions
- Getting NBA Accreditation
- Organizing training to improve soft skills
- Incubation Centre with help of MHRD/Govt. of Karnataka
- IPR & Entrepreneurial skills

The Institute's focus and core ideology is reflected in its Vision, Mission, as shown below:

College Vision

To emerge as a "center for excellence" offering technical education and research opportunities of very high standards to students, develop the total personality of the individual, and instill high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of social and human kind.

College Mission

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical education. To this end, we will pursue continuous development of infrastructure and enhance state of the art equipment to provide our students a technologically up to date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and

moral values.

Participation of teachers in decision making bodies

Principal is whole and sole responsible for academic and non-academic activities and execution on par with ISO standards without any intervention from the management, as per the guidelines of Governing Council and Internal Quality Assurance Cell. Statutory committees like grievances redressal, Disciplinary committee, OBC, Schedule Caste /Schedule Tribe committee, Anti Ragging Committees, Against Sexual-Harassment committee, academic council committee, industry internship, placement and training Coordinators and the members are empowered to take decisions based on the enquiry findings. Since Principal acting as member secretary of the Governing Council and one professor and one Assistant professor made as members of Governing Counsel to voice their grievances and suggestions through Governing Council Agendas. Internal Quality Assurance Cell plays an important role both framing guidelines for academic, non-academic activities such as project based learning inculcating leadership skills amongst the students and intensifying the research activities. Innovation Centre coordinators of various branches are empowered to encourage the students to make quality projects and enable them to convert products.

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:

The institution defines decentralization in working through delegation of authority. Personnel at different level implement the decisions. The delegation of authority can be organised in the form of a pyramid. Top-level managers are responsible for controlling and overseeing the entire institution. It includes the Chairman, Governing council, Principal and Vice Principal. The Governing Council assists the Chairman with regard to broad guidelines, policies and framework for the improvement of quality of education in the institution. The management through the Principal involves the faculty members in various activities related to the development of the Institute. The Principal heads the Academic and administrative activities of the Institute. He Constitutes various committees and appoints Teaching staff and Non-teaching staff as coordinators and members to motivate and improve the leadership and to entrust the responsibilities of the respective committees

HOD's

- Allocation of subjects and departmental works to the faculties without any intervention by the principal
- Allocation of work to instructors in maintenance of equipment and consumables and monitoring

laboratories

- Empowered to detain the students from appearing for Visvesvaraya Technological University, belagavi examination due to lack of attendance.
- Enhancing more MoUs to develop the Industry-Institute Relationships

Faculties:

- Mentoring and counseling for weaker and needy students
- Organizing Industrial visits, guest lectures, conferences, workshops etc..
- Guiding the students for research oriented projects and internships
- Encouraging the students for presentation of papers in national/ international journals/ workshops / conferences / symposiums etc.,

Purchase Committee:

- The committee entitled to purchase the requirements of the department based upon the indent.
- The members of the committee will call for quotation from the various vendors, making the comparative statements and recommend the proposals to Head office through Principal, followed by procurement
- Repairs and replace guarantee/ warranty of the materials will be taken care by the committee

Library Committee:

Procurement of the technical and non- technical books and journals is mandatory based upon the requirement of the department before commencement of the semester in every academic year

Students Club:

23 clubs have been formed exclusively for students to exhibit their hidden talents by active participations.

Sri Leo Muthu Innovation Centre is an initiative taken by Sri Sairam College of Engineering, Bangalore, India, which was established in August 2015, where our students are encouraged to work 24X7 in developing new socio-relevant technical projects/products, beyond the scope of the university curriculum. Later with the support of college and students interest, two more innovation centres are established in department level - Sri Leo Muthu Innovation Centre_ CSE Wing started functioning from August 2016 and Sri Leo Muthu Innovation Centre_ Embedded wing functioning from March 2018, where respective departments are provided with an independent platform to implement their ideas and, develop projects and support to convert them as products. The innovation centre CSE has 3 verticals namely IT & Circuitry, Virtual Reality and Android Development.

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 works with a focus on the continuous improvement of the physical and academic ambience and infrastructure of the college both qualitatively and quantitatively.

Example of activity successfully implemented based on the strategic plan:

As a CSR initiative towards education sector, SAI RAM Group of Institutions has launched a programme named "Sairam Gnana Sourabha" which is designed to promote excellence, and brilliance in the education sector. Under the flag of **SAIRAM GNANA SOURBHA, Sairam Group of Institutions** organizes various events which helps the students to achieve great limits in academics and facilitate their overall growth. The inaugural function of Sairam Gnana Sourabha was organized on 31st October at Sai Vishram hotel. The invitees for the inaugural function were many esteemed Principals and Management Representatives of various PU Colleges. The Chief Guest for the function was Dr. B T Venkatesh, Director, Jain PU Colleges, Bangalore. The other eminent guest was Mr. Y Dwarakanath, Advisor, and Sairam Gnana Sourabha.

The various activities executed by Sairam Gnana Sourabha is listed below.

- **KREEDA MELA** was organized on 09.11.2014 at our campus for the second year P.U.C students towards sports activities - motto of the program - "come, play, enjoy".
- Orientation program for Pre university College Lecturers was conducted on 31.10.2014 in Bangalore - to motivate the Faculty members to guide the students towards engineering admissions sufficient budget has been magnanimously sanctioned by management.
- SGS aims to enhance quality admissions in our institutions after analyzing the structures and standards of pre-university education, not only Bangalore but also throughout Karnataka by organizing two major activities as "**Common Entrance Test (CET) - Mock Examination**" towards professional courses and "**Career guidance program**" for the 2ndyear PUC students of all streams

Puthiya Thalaimurai (Media Partner) and Sri Sairam college of engineering jointly Organized the orientation program - Vetripadigal for the II PUC students in and around Hosur region to attract quality admission since 2014 wherein educationalist, industrial experts and motivational speakers will share their knowledge and guide the students for opting the engineering streams for their careers.

Some of the achievements and milestones are listed below **ONE year statistics** :

S.no	Event	Number of Schools participated	Students Pa
------	-------	--------------------------------	-------------

01	CET mock Exam	7 schools - Bangalore Central	500 students
02	Career Guidance program	6 schools - Bangalore Central	550 students
03	CET mock Exam	6 schools - Bellary Region	989 students
04	Career Guidance program	1 school - Bellary Region	100 students
05	CET mock Exam	6 schools - Kolar Region	564 students
06	Career Guidance program	6 school - Kolar Region	564 students
07	Career Guidance Program	12 School - Hosur Region	900 students

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

Organizational Structure:

The organizational structure of the institution describes a functional and relational hierarchy. The chairman heads the institution. Day to day academic functions are monitored by the Principal, which is deployed by the Hod's with the support of teaching and non-teaching staff. Administrative and financial activities are carried out by the principal with management concurrence and as per policy.

Governing Council

The governing council has established committee's such as **anti-ragging committee, women empowerment cell etc.**, to bring a comfortable and conducive environment for working and study. It will continue to work towards the aim of our institution.

Recruitment policies:

Qualified staff as per VTU, AICTE norms shall be identified through Recruitment Panel. As per college norms the process to be completed within 60 working days from the date of approval of the Human Resources Requisition.

- Collection of HR Requisition from HOD.
- Compilation of HR Requisition & Principal Suggestions & Approval.
- Proposal for HO to release Advertisement in the leading news paper.
- Releasing of advertisement in dailies.
- Receiving CVs & Profiles, Forwarded to HOD's for screening - 1:10. Thro' on-line.
- Interview date fixing and intimation to identified candidates.
- Interview Panel Member's – Principal, MR, VP, HOD, VTU nominee if available.
- Proposal for Appointment orders to HO for Selected Candidates it include, Candidates Profiles, Assessment sheets Photo copies of testimonials, proof for the last drawn salary etc.
- Appointment Order.

Promotional Norms:

- Eligible teaching staffs shall be promoted to next cadre after enhancement and satisfaction of educational criteria laid down by VTU/AICTE
- Newly recruited faculty members will be fixed with 5th pay scale with relevant DA, HRA and CCA for a period of one year, On completion of probationary 6th Pay scale will be implemented

Service Rule

- Service rules and code of conduct are explained in detail by HOD's to the newly recruited staffs to educate the ISO standards and Quality policies - leave regulations, monetary norms, OD procedures and do's and don'ts of the institute. (Service rule book available in the additional information's)

Functions of various bodies:

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 the 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 Committees are formulated and works based on responsibility

- stock verification committee

- training and placement cell
- sports committee
- internet, website edusat webmaster, social media and SMS committee
- transport committee
- cultural committee
- hostel and canteen committee
- library committee

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

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

Response:

In addition to IQAC and GC, the **following committees have been framed to cater to the needs of the various communities.**

- Anti-Ragging Committee - As per the norms of AICTE/VTU and GoK
- Academic Monitoring Committee - To oversee academic process
- Cultural Activity Committee - To inculcate social responsibilities among the students
- Research Advisory Committee - Guidance and Motivation towards research
- Disciplinary Committee - To mould the students to good citizens
- ISO Committee - To maintain ISO and QMS in all institutional progress
- Industry Institute Partnership Cell - Bridge the gap between college and Corporate
- Against Sexual Harassment Committee - To restrict Untoward incidents against women and children
- Grievance Redressal Committee - Solution to the grievance
- Accreditation Committee - advising us to enable to get NAAC
- IEDC & EDC Committee - to avail the grants and funds from DST
- Innovation Cell - continuous encouragement towards budding engineers
- Internal Quality Assurance Cell - Part and Parcel of academic activities

Example of one activity successfully implemented based on the Minutes of the meeting of various Bodies/ Cells and Committees:

17th Graduation day 2018 - Case study

The 17th graduation day celebrations was organized on 4th march 2018 in the Seminar Hall at Sairam college of engineering. 18 committees have been formed and entrusted the responsibilities to be executed with their committee members.

CHIEF GUEST : Dr. Karisiddappa, Vice Chancellor - VTU, Belagavi

GUEST OF HONOUR : Mr. Divyanshu Verma, Senior Manager, INTEL

DATE : 4th march 2018

TIME : 10.30 am

Milestone : Bindhu S, 1SB13EC013 - Department of ECE

"GOLD MEDALIST & VTU TOPPER"

- Organizing committee and Program Committee
- Overall organizing
- Periodic review of status
- Additional support to all committees
- Preparation for minute to minute program list
- Presentation of the college profile
- Notifying the local police to arrange security measures for the Chief Guests
- Collecting the Feedback from the students and the parents.
- Reception Committee
- Printing and Dispatching the invitations
- Receiving students, parent and guests
- Help Desk and Enquiry
- Stage arrangement committee
- Stage Backdrop
- Lighting and PAS arrangement
- LCD projections for presentations
- Display boards for guidance
- VIP Robe committee
- Felicitating the guests with their respective robes
- Registration committee
- Online registration and confirmation of attendees
- Creating registration desk
- Communication to respective departments towards registration
- Graduands robe committee
- Issues of Robes to the graduands after collecting the Refundable deposit Rs.500/-

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:

Faculty Empowerment Policy Health, Professional development, Promotion, Increment, Award and welfare are the several key issues, where the management is devoted to its employees. Immediately after the recruitment of the faculty, they are given the orientation program about the policies and procedures prevailing in the institution. The faculties are allowed to utilize the benefits of sponsorship for attending the various programs organized by other institutions and research organizations. Faculties are permitted to avail the benefits with respect to social and technical up-gradation to make them competent. They are

entitled for sponsorship to training programs, paper presentations, attending seminars, workshops, quality improvement program etc.

The following are service benefits and welfare measures extended to the employees of the college.

- o Free Transportation to all the staff members
- o Provision of canteen in the campus.
- o Maternity leave for the women employees, for a period of 90 days with salary
- o Employees Provident Fund (EPF).
- o Group Insurance Accidental Policy - for all
- o ESI Scheme – Employees drawing less than Rs.21000/- PM. They are covered under ESI and can avail this benefit directly with ESI Clinic/Hospitals.
- o Research Promotion
- o Vacation Leave - 30 days (Odd semester - 12 days/ Even semester -18days)
- o Marriage leave - 7 days with salary
- o Medical leave - 10days with salary
- o OD/CO - on prior permission - seminar / workshops/ conferences / university exam
- o Training for enhancement of skills - teaching and non teaching (In-house /External)
- o Periodical Medical Checkups - Provided by medical establishment
- o Organization of sports and cultural activities for staff .
- o Ikyatha pravesha - One day Picnic for all staffs
- o Free quarters for employees
- o Free education for employees children
- o Full sponsor for patent filing - best Kaizen award
- o Lab technicians and lab attendants get clothing & aprons and other staff gets blazer.
- o Gifts and honors for academic excellences / teachers day- as a mark of respect
- o Marriage gifts

The institution has effective welfare measures for the teaching and the non-teaching staff. We believe that our employees are our real assets and hence following efforts have been made:

Appointments to Important Functional areas

It provides an opportunity to all the Senior Professors, faculty members sense of involvement to enhance their commitment to the institution

Higher Studies

The faculty members are granted study leave for higher studies in the fields of specialization desirable on approval of the management

Preference will be given to those opting for doctoral programs, on execution of commitment that he/she shall serve the college for a period of 3 years after completion of doctoral program.

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: 75.26

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

2017-18	2016-17	2015-16	2014-15	2013-14
82	94	95	84	83

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc during the last five years	View Document
Any additional information	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:** 10

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	10	10	10	10

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

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years**Response:** 75.26

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

2017-18	2016-17	2015-16	2014-15	2013-14
82	94	95	84	83

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

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

The management evaluates the performance of the faculty based on teaching, research, Team work, arranging co-curricular and extra-curricular activities and publication works. The appraisal system motivates the staff to excel and put forth the best of their efforts. Staff retention is one among the strengths of the institution.

1. Feedback from students on faculty for various subjects measured metric system
2. Self -evaluation system by faculty themselves measured by metric Feedback

1. Self -evaluated sheet of respective faculty will be analyzed by HOD and Principal through online.

The following Key - factors are deeply analysed in the appraisal system for **teaching staff**

- Experience
- Knowledge sharing and up-gradation through participation in Conferences, Workshops, FDP etc.,
- Innovative teaching practices - usage ICT tools, beyond the curriculum
- Pursuing higher studies (PhD,)
- Research activities and obtaining patents
- Pass percentage produced in the University Examination
- Publication works in the Scopus indexed / impact factor / e - journals & conference proceedings
- Publication of chapters in books and publication of books
- Carrying out sponsored projects / Research Project
- Technical consultancy services
- Participation in conducting extracurricular activities
- Online Courses
- Professional Membership
- Administration Support Services
- Accreditation Activities

In addition to the above faculty are rated by students through an online feedback system. The attributes covered for theory courses are:

- Subject Knowledge
- Lecture Preparation and Presentation
- Communication skills
- Coverage of Syllabus as per Schedule
- Interaction & Approachability
- Counselling and mentoring

- Overall Rating of the Teacher
- Staff appraisal process is mandatory
- A value added template was designed for self-appraisal was introduced, recently

o This contains three parts.

- The first part will be filled by the faculty themselves giving their details of achievement for that year.
- The second part will be filled by the heads of the department evaluating the performance of the faculty in various dimensions. Here all the activities of faculty like pass percentage of the theory

and practical subjects handled, attending university responsibilities like invigilation, internal and external examiner, paper valuation etc, participation & responsibility in department and college activities. Other than teaching learning process and usual administrative activities, research aptitude is also captured. Presentation in conferences and seminars, publication in national and international journals, funded projects, consultancy work.

- The third part will be filled by the principal.
- After the evaluation of Appraisal system, one to one interactions with the principal based on the merits and demerits of the individual faculty, suggestions and remarks by principal to improve their performance

The following factors are deeply analysed in the appraisal system for non-teaching staff

- Experience
- Up gradation through Orientation Programs, Refresher Course, Short Term Courses
- Feedback from HOD and Principal
- Active participation in team work
- Work Discipline
- Dress code & Neatness
- Fairness and impartiality
- Capacity & willingness to assume responsibility

- Better Behaviour and Cooperation with Colleagues
- Work interest & Motivation

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:

Institution conducts internal and external financial audits regularly. Internal Audit will be carried out by our CAM on monthly basis External Audit will be conducted at the end of each financial year. The qualified auditors will visit the college at regular intervals, they will verify all financial transaction with the books of accounts, vouchers and other supporting documents accordance with approval of top management. The financial transactions are accounted in Tally ERP by the college. Audit is conducted in accordance with the Auditing standards generally accepted in India. They plan and perform procedure to obtain the reasonable assurance about whether the financial statements are free from material misstatements. Auditor will examine on a thorough basis evidences, supporting for the amounts and disclosure in the financial statements. The college is filing income tax return every year within the stipulated time and the balance sheet and audit report for the past 5 years is readily available in the administrative office.

Audit procedures:**1. Source of income verification:**

- Auditor will cross verify the fee collections with approved list of admitted students - through KEA - GoK - 45% - 5% extra for SNQ
- Students admitted through COMEDK - 30% variance with tuition fees
- Students admitted through Management and NRI - 25% tuition fees on-par with COMEDK
- Other incomes cross verified with the receipts issued to the students.
- Fee amount receivable and amount received will be reconciled
- Cross verification of Grants and funds received.

1. Expenses:

- Auditor will vouch payment with the approved supporting.
- Correctness of Classification revenue and capital expenses.
- Reconciliation of bank accounts and checking the bank confirmations.
- Reconfirmation of un reconciled items.
- Calculation of depreciation of fixed assets.
- Status of the old debit/ credit balances.
- Checking of statutory dues payment like PF, TDS, PT and ESI before the due dates.
- Salaries payments with the salary statements.
- Any other statutory compliances verification required as per Income Tax Act.

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, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)**Response: 0**

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

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:

SSCE is a self-financing Technical Institution. It mobilises funds through:

- Tuition and college fees.
- Bank loan
- Hire purchase

The total intake of the institute at the UG level is split into three categories as per the government policy from time to time. Proper utilization of financial resources is planned at the beginning of every academic year. Finance department is responsible for mobilisation of funds through collection of tuition fees, and other resources. The finance department is also responsible for optimal deployment of funds towards salary payment, tax payment, and payment to various suppliers, contractors, service providers etc. Every department will submit their proposals based on departmental activities planned, for that academic year. This is consolidated at the college level and sent for further approval to the college management. Based on the budget sanctioned, funds are released on priority basis.

Sources of funds:

For the institution the resources of funds are:

- Fee for workshops and skill enhancement activities
- Grants from AICTE/ VTU/IEDC/ EDC/KSCST/IETE/ CSI/ SAE/IEI
- Conduction of online exams for various agencies such as KPTCL, SYNTEL, MESCOM, BSNL, ISRO, SSCE, AIRFORCE ETC...
- Non government sponsorship donations from industries, individuals and philanthropists

Optimal utilization of funds :

- Salary for teaching and non teaching staff,
- Electricity and campus maintenance,
- Internet service providers charges
- Applicable statutory taxes
- Repairs and replacement of equipment,
- lab consumables,
- AMC charges for system maintenance and Air conditioners etc,
- Library books purchases,
- Expenses for workshops, Seminars, Conferences and Faculty Development Programmes and other co-curricular

- Staff welfare measures,
 - Management Scholarships - Providing financial support for needy students,
 - To be prepared for unexpected and emergency situations,
 - Faculty development and student skill development programmes,
 - Business promotional expenses towards admissions
 - Staff welfare,
 - Corporate Social responsibilities and society welfare ,
 - Extra-curricular activities such as sports and health camp activities
-
- Loan term deposits will be used for the any infrastructure construction or development at the campus.
 - Major source of income is the tuition fees and other fees received from the students. The deficit is managed by funding from the trust i.e Sapthagiri Charitable and Educational Trust.
 - Grants from government are used for purchase of modern lab facilities, purchase of latest technological software's and modernization of laboratories

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:

Internal Quality Assurance Cell (IQAC) plays a major role in inculcating quality culture in the Institute. One such example is the Academic Assessment Audit which is carried out by Internal Quality Assurance Cell (IQAC) in the Institute. It also recommends measures for institutional functioning towards quality improvement through internalization of quality culture and institutionalization of best practices.

Academic Audit is conducted by IQAC once in a semester.

The IQAC committee is constituted with members drawn from all the domains. Every program is evaluated based on the set criteria as mentioned below and the points are awarded.

Based on the recommendations of the IQAC, the merits & areas of improvement for each program are highlighted for further action.

The IQAC cell of the institution is active and it has taken initiatives to institutionalize the quality assurance and developed strategies to contribute in empowerment of the institution.

It has taken initiatives to evolve best practices in the college.

- The college has started a program of one student one plant plantations to increase greenery in the college campus. Students on their birthdays plant a sapling in the college campus and take care of planted sapling religiously during their stay in the college.
- **OBJECTIVES:**
- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters of higher education.
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/activities leading to quality improvement.
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality.
- Development of Quality Culture in the institution.
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC

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:

The **teaching learning process** is continuously monitored and reviewed by the Head of the departments and reported to the Principal and the management. As an initiative by the IQAC, the institution reviews and implements teaching learning reforms.

- In curriculum enrichment, every faculty conducts activity in the class like Hands-on training, Quiz, Open book test, assignments, student seminars, Audio-Visual about beyond syllabus etc.
- All departments of the college arrange industrial visits & educational tours twice in an year to aware current trends in the technological fields to apply in their projects .
- Seminars, Workshops, Guest lectures, Debates, Panel discussions are also arranged to improve their English knowledge and to overcome their fear of public opinions.
- Values and ethics workshops are organized to create patriotic and responsible citizens.
- IQAC for promoting quality culture Academic Audit has been done by the institution regarding internal assessment test and model examination as completion of syllabus.
- College has started with digital literacy for academics through Edumate; we are planning to extend this program for non-academic staff and others in next year.

EXAMPLE : GUEST LECTURES AND HANDS ON TRAINING:

- Apart from the regular class room lectures by the faculty members for each course, students are given opportunities to attend the guest lectures from industrial experts in the smart class rooms through audio-video sessions.
- The contents of this type of lecture are beyond the syllabus and they expose the industry requirement to the students. This lecture facilitates the students to know in depth of the industrial requirements and the necessary skills that they should be equipped with for placements also trying to bridge the gap between the college and the corporates.
- The interactions with industrial experts narrow down the gap between the institute and the industry requirement which helps the management in identifying the necessary soft skill development required for the students.
 - Other than smart class rooms lectures, videos are played for specific topics beyond the syllabus but related to the latest technology in the respective domains.
 - Through these video classes students are exposed to have a thorough understanding of the processes through visual means with maximum impact and this encourages them to focus on their project work too.
 - The students show much interest in the videos played in the video theatre and the response by the students to the question session post video session is very interactive.
- A regular schedule for proper utilization of the video theatre indicating the date, time, branch and year of study is prepared at the beginning of the semester, so that all the students are benefited through video sessions.
- We Sairam college has **MOU signed** with companies and training institutes. Every semester training institute provide the hand-on technical training on current technology focus to the various department students to enhance their skills and improve their project oriented knowledge to expose in their highly competitive environment
- The students and faculty members are encouraged to register for the **NPTEL** (National Programme on Technology Enhanced Learning) online courses initiated by IITs and IISc.
- **VLCI- VISIONARY LEARNING COMMUNITY OF INDIA:** Program initiated as a CSR

activity by the various industries to bridge the gap between industry and academia. Through this program the industries are providing knowledge to the faculties about the requirement in industries. Then the faculties have to transform the information and the knowledge to the student's community. The training is 3 years with 6 modules for two faculties conducted by HARITHA SEATINGS. This program includes 30% of teaching and 70% of shop floor assignments and exercises.

EXAMPLE : Academic audit (Internal)

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

- Every Semester Calendar of event is prepared at the closure of the previous academic year. Principal will convene the HODs' meeting. HODs, Training & Placement, Librarian and Director of Physical education will attend the meeting.
- Re-opening for the next academic year Working days / test days / model exam days Department Symposium /Association activities IEEE , ISTE, SAE, IETE, ISA and ISO activities Guest Lectures, Placement Training Internal Quality Audit Days External Audit FDPs / Workshops / Conferences IQAC Meetings , Blood donation camp, NSS camp, Induction Day, Women's Day, Engineers' Day, Teachers' Day, Sports day, College day, Cultural and Graduation Day
- Academic calendar is prepared during the commencement of the academic year in which the dates for the internal assessment, lab internal assessment, extracurricular activities and co-curricular activities, Model exam are prepared and properly scheduled.
- Each Course Faculty prepares a detailed Lesson plan at the beginning of the semester, according to the syllabus framed by the University for the effective completion of the syllabus.
- Each faculty maintains a student register for their respective course to track the syllabus coverage and to record the students' attendance. Student register is verified and attested by the HOD and Principal every month.
- 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 Coordinator meetings are held periodically to ensure the students as well as the faculty is 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: 12.8

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

2017-18	2016-17	2015-16	2014-15	2013-14
40	24	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	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
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	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:

Incremental improvement in academic area during last five years

- Result had improved gradually during last five years from 2012-2013 to 2016-2017.
- Up gradation Of ISO From 9001: 2000, 9001 : 2008 , 9001: 2015
- The IEDC was initiated for promoting students' research interest. Projects are funded by IEDC of DST and 5 of the projects initiated through IEDC is funded by the management in every academic year in addition to five projects sponsored by IEDC.
- Formation Research and Development Cell -for the academic year 2017-18 VTU has sanctioned extension of approval for research center exclusively for mechanical stream.
- **EDUMATE**- Student learning and monitoring system has been kick started in the year of 2016 with an aim to maintain the complete records with regard to teaching - learning process of the student through online
- Students are encouraged to participate in **Smart India Hackathon**(Problems identified by Government of India, Seeking solutions for the problems from the students community) conducted by Ministry of Human Resource Development and got first prize in electro passion on march 30th 2018
- There is a continuous increase in the number of University ranks year after year and Sairam College Engineering has bagged the number of university ranks with gold medals.
- **E-Shikshana**- interacting E-learning platform - transmission of live lectures - operated from E-learning centre VTU Mysore
- College is accredited by **IEI** for Standards without NC's
- Organizing International conferences/ seminars/ workshops/ symposiums
- Smart Class Rooms for basic science department
- Green Initiative By One Student - One Plant Sapling
- Anticipating gold medals or university ranks for the academic year 2017-2018
- The institution is working more effectively in co-ordination with teaching, non-teaching staff and students.
- The staff council is more active and it meets twice in a year.
- The IQAC has started functioning in co-ordination with staff members and students.
- Grievances of staff and students are resolved properly and timely.
- Infrastructural capacity of the institution is improving.
- Solar Energy production started functioning for the past one year. Excess power generated will be

given to BESCOM on reasonable Tariff after satisfying our consumptions according to the Contracts.

- Implementation of surveillance of CCTV in the entire campus which includes class rooms and laboratory to ensure safety and security.
- Construction of AV Hall - Full fledged with 125 seating capacity
- SAI LEO Muthu Innovation centre - 24X7 creating working environment for engineers
- Innovation centre of CSE wing - exclusively for computer science department
- Innovation centre of EMBEDDED wing - exclusively for computer science department
- Rain water harvesting, different programs on cleanliness have been launched.
- Bio-metric attendance system
- MOU to be increased from esteemed corporates to match with the current scenario of engineering technology.

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: 54

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	11	12	9	12

File Description	Document
Report of the event	View 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 sensitization presides over gender sensitivity, the modification of behavior by raising awareness of gender equality concerns. It's extremely important to treat all students equally and impartially. The management and faculty of our college strive to ensure equitable outcomes for all students. Our institute started its journey in the year 1997 under **MJF.Ln .Leomuthu, Founder Chairman of Sapthagiri Educational Trust**. Since the past 22 years, the institution has continued to adopt several measures to ensure a safe environment for working and also to make the campus gender sensitive.

In our college, the students are secure and safe since Trained Securities are available throughout the day at both gates to completely restrict the entry of outsiders. Our college campus is also surrounded by 48 CCTV cameras and each camera is monitored and the data is recorded systematically. In that way, immediate action is taken for any issue. Moreover, in our college buses there is a GPS tracking system along with a separate bus co-ordinator who assists the students so that they can reach their homes safely.

Personal and Mentor counseling:- Mentoring/counseling is regarded righteous because the college consider the value of the students and perfecting their character .The college considers and wants the perspective of its valued customers the students on a variety of life challenges(both small and large; personal and formal).Mentoring /counseling is intended to be a long term relationships, with its privileged students.

Career Counseling:- The aim of career counseling is to meet the objectives of its talent management ideas, which are to ensure that there is a talent flow that creates and maintains the required talent pool.

For instance:-

- To give them the guidance, support and encouragement the student need to fulfill their potential and achieve a successful career with the organizations in tune with their talents and ambitions.
- To provide those students with promise a sequence of experience and learning activities that will equip them for whatever level of responsibility they have the ability to reach.

Common Room: Dedicated Common Room with good ventilation facility for female students with resting facilities has been created. In emergencies, a lady attender takes care of the students needs. Specific cleaning schedule is given to the housekeeping people and followed meticulously. Girls' Common Room will be strictly adhered to the rules. Any violation in this regard will be deemed as misconduct.

In our college, we have separate Girl's Go-Kart Team which is guided by Female Faculty Advisors. Their performance at par as that of the Boy's Go-Kart team during the National Level Competitions. Our college has a very strong Department Administration Team (HODs) in which 40% are females.

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: 14.74

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

Response: 28.15

7.1.3.2 Total annual power requirement (in KWH)

Response: 191

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 0.89

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

Response: .720

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 81

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

7.1.5 Waste Management steps including:

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

Response:

Several kinds of dry, wet, biodegradable and non- biodegradable waste is generated in the college and necessary waste management steps are taken for its correct disposal which consist of: Solid waste management, Liquid waste management and E-waste management

All waste/garbage from college and hostels is segregated at source and disposed off. The wet waste from the hostels/ canteen is collected by authorities. Waste like newspapers and stationary is sold to proper vendors.

The college has built a solid waste disposal bins at the necessary places. Wasted water is reused and provided to the plants in college campus. Hostel canteen and kitchen waste is collected and provided to the surrounding villagers so that they can feed their cattle and for manure.

E-waste (discarded electrical or electronic devices) is disposed through outside agencies. The computer generated waste and out-of-use parts are sold to the vendor for recycling. Chemical waste generated in the chemistry lab is also disposed of properly.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The college makes special efforts to inculcate environmental awareness amongst the students. We firmly believe that environmental awareness must lead to environmental action. Water is a precious resource, thus rainwater harvesting techniques have already been devised in our campus. To minimize the wastage of water resources the rain water harvesting system is installed in our institute. Appropriate plumbing arrangement has been done for rain water harvesting. A ground water recharge well is provided by the college to store water so that it can be utilized later.

File Description	Document
Any 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:

Many of us are left with a feeling of “what can I do for the environment?” While there are a few practices, for the most part, it is relatively simple to maintain a “green” lifestyle; it is more just a matter of adjusting awareness and behaviour.

Every year, many students and faculty members are looking for ways to make an impact on the environment and go green at our college with some great environmental sustainability projects.

Green campus garden – Our Institute had Planted a garden to beautify our space with lot of trees and shrubs with spacious grass lawns and pleasant flower plants on it.

Smartness in transportation – It is widely known that automobile emissions are a significant contributor to pollution. Majority of faculties and students use college and public transportation to reach college. And few students come to college by walk.

Office work electronically – Instead of using paper notebooks and agendas, we use Computers and laptops to do management and students related works and keep track of previous examination data and meeting's history regularly.

Green lighting – Our College has solar energy light lamp posts. Most of the place in the college premises have CFL or LED bulbs which not only provide a better quality of light, but they also use less electricity.

Eco Friendly pedestrian roads – Our campus pedestrian roads are planted with numerous trees which make it green and eco friendly.

Going digital – All department subject notes (semester wise) is available in college library website which really facilitates students to avoid paper usage for notes and exam preparation.

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: 0.12

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)

2017-18	2016-17	2015-16	2014-15	2013-14
0.86	0.28	0.34	0.78	0.64

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

7.1.9 Differently abled (Divyangjan) Friendliness 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:** A. 7 and more 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:** 36

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

2017-18	2016-17	2015-16	2014-15	2013-14
13	6	9	7	1

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: 32

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

2017-18	2016-17	2015-16	2014-15	2013-14
5	7	8	5	7

File Description	Document
Report of the event	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: 27

7.1.17.1 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 year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	10	6	4	1

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:

In our institution, we develop the values and morals of our students which enables them to excel in all spheres of their lives. It also empowers them to become a good citizen of our nation. We celebrate various national festivals to bring unity amongst the students belonging to diverse backgrounds, cultures and states. Such celebrations help the students in understanding the traditions of our magnificent country. We celebrate Sankranti marking the first day of the sun's transit into the Makara. We also feel honored to celebrate Republic Day and Independence day. Other festivals and pooja's like Ganesh Chaturthi, Ayutha pooja, Kannada Rajyotsava are organized and celebrated to evoke the feeling of bhakti.

In order to develop human values we organize and celebrate **Teachers' Day** on the occasion of **Dr. Radhakrishnan's birthday**, **Engineers' Day** on the occasion of **Sir M Visvesvaraya's Birthday**, **Basava Jayanthi** on the occasion of **Vishwaguru Basavanna's Birthday** and **Dr. APJ Abdul Kalam's Anniversary Remembrance 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:

Transparency in Finance:

Our institution completely maintains and monitors transparency in all attributes which includes finance, academic and administrative functions. Payment of all category whether it is tuition fees or hostel fees or transport fees shall be accepted only by online/ Demand Draft. No cash remittances are accepted. All VTU and AICTE payments made through RTGS/NEFT to maintain speed, accuracy and transparency.

Transparency in Academic

We at Sairam believe in the adoption of student centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Eminent scholars from various fields are invited to deliver lectures. Advanced learning is encouraged by E-learning facilities by providing Internet connectivity with Wi-Fi provisions, NPTEL video lectures and E-journals.

We have a streamlined mechanism for continuous monitoring and evaluation of the students. The faculty members prepares course file before the commencement of semester. The heads of the departments finalizes the course allocation for the faculty members based on their choice and area of interest and expertise. The faculty members prepares course file before the commencement of semester. Performance of the students is assessed on a continuous basis by conducting three Internal Assessment Test per semester as per the University norms. In addition to that weekly tests, assignments, mini projects and technical seminars are also the part of continuous internal evaluation .The evaluated answer books are given to the students and an opportunity is given to discuss about the performance with the faculty.

Transparency in Administration:

Transparency is the principle of creating an environment which includes on current circumstances, decisions and actions which are available and the method of providing information in making policy decisions related to the institution to maintain good relationship between faculty and students. The Canteen maintains a good quality food. It follows a menu card of all the food items provided along with a service book and feedback book to improve the standards and quality of food items. Transparency is maintain in every unit of the Institution not only one unit but it includes

- Supervision of sanitation
- Maintenance of the furniture and general equipment
- Student admissions process.
- Transportation of student

The library follows strict rules and regulations to maintain transparency in issuing books to the students. The library maintains a reference book for issuing books for both students and faculty.

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

ICT Based Teaching

Objective

Computer technologies and other characteristics of digital culture have transformed the ways the students live, play, and learn, around the world. Graduates who are less aware with digital culture are increasingly at a hindrance in the national and global economy

The Perspective

Visual medium has a greater impact on young minds. The college management felt the need to develop ICT Based education material so that they could effectively convey in a manner that could motivate participants to adopt the practices and improve their knowledge base. The material developed uses interactive methods that register in the student's memory effectively.

The tradition

Every semester Head of Department initiates and creates individual copy of Faculty ICT Course Materials for every faculty of the respective department. In this the teachers post assignments, questions, college circulars, relevant articles, research and current knowledge and many more. The link will be send to each student by e-mail as well the link will be uploaded in Library website. The students visit the blog on a very regular basis; which encourage outside the classroom learning.

Evidence of achievement

The students are experiencing elevated skill levels in communication, presentation, collaboration and articulation. 24 X 7 access to archived study material, which is available on the college website.

Problem came across and the vital Resource

- One of the biggest challenges in online education is the lack of interaction between students
- Teachers need specific professional development opportunities in order to increase their ability to use ICT for formative learning assessments, individualized instruction, accessing online resources
- Training of teachers, connectivity, technical support, and software, amongst others.
- High Cost involved in developing the education kit

Best Practice – 2**Project Based Learning****Objective**

The main intention is to create readily absorbable Engineer by the any form of the Industry also leads to identify focused career paths for students as well as to support students' personal growth.

The Perspective

The college take admission of the students from diverse communal backgrounds and from various states.

The current notion among the People is that Engineering Education is not best choice for their ward. At the same time Industries are also not expecting Simple Engineering Graduate, rather they want to recruit Quality Engineers. We are bridging the gap in these expectations by bringing the concept of Project Based Education at our Sri Leomuthu Innovation Centre.

The tradition

Sri LeoMuthu Innovation Centre is initiative of our College, where our students are encouraged to work 24X7 in developing new socio relevant technical projects/products, beyond the scope of the university curriculum. To convert projects into products, the innovation centre has 3 verticals namely Automobile, IT & Circuitry.

Evidence of achievement

Some of the Projects/Products developed at our Innovation centre are,

- Autonomous Underwater vehicle(AUV)-
- Eduvista – Education through Augmented Reality(AR)
- Fire Extinguishing drone
- Farming Drone
- Go-karts
- Solar vehicle – single seat solar vehicle
- Solar vehicle – Multi seat solar vehicle
- E- bike
- All-Terrain Vehicle
- Student Formula Vehicle etc.

Problem came across and the vital Resource

- Getting initial Fund to convert the ideas to Real Product.

Balancing between the academic and these activities.

Best Practice - 3

To Help students - with Financial Assistance

Objective

The main objective of this practice is to endow with the financial support to those who are struggling to pay the tuition and/or other fees. This will help those students to continue their studies without any problem.

The Perspective

The college take admission of the students from diverse financial backgrounds. There are some students

who are meritorious but not capable of paying the tuition and other fees due to their poor financial conditions. It is the concern of institution to see those students also complete their course without any problem.

The Tradition

The institution is initiated a scholarship scheme to distribute complete Tuition Fee back to the students who had scored more than 9.00 CGPA, Rs. 50,000 for who had scored between 8.750 and 8.999 , Rs. 25,000 for who had scored between 8.500 and 8.749 CGPA, Rs. 10000 for those who had scored between 8.250 and 8.499 CGPA and finally Rs. 5,000 for those who had scored between 8.000 and 8.249 CGPA. Apart from this our Institution supports the academically meritorious Students to complete their entire Engineering Programme in our College under Our Chairman's Sponsorship.

Evidence of achievement

More number of students receives those scholarships and completed their degree without any problem. Around 35 students have completed their entire Engineering Programme in our College under Our Chairman's Sponsorship.

Problem came across and the vital Resource

The institution does not face any problem to identify those students who need to receive the scholarships. Man power and huge amount of money are required to provide this type of assistance at college level.

Best Practice – 4

Student's Mentoring

Objective

The main intention is to establish a trusting relationship with accountability and responsibility from the faculty as mentor and student as mentee. It also leads to identify focused career paths for students as well as to support students' personal growth.

The Perspective

The college take admission of the students from diverse communal backgrounds and from various states. Since our college is located at the south most border of Karnataka, we are receiving students from remote villages who are in need of support as well as guidance with special care. It is the concern of institution to see those students to complete their engineering program successfully.

The Tradition

In our institution we have the tradition of assigning a set of students to a particular faculty as soon as they entered into their respective department (i.e. 2nd Year). Those students will be guided by that mentor

throughout their stay in the campus through periodic mentoring, reviews and proper motivation. Separate record in a form of a mentor book for each student is maintained by the respective mentor, which will carry the entire history of the students. Mentors' reputation is also rests in part on the work of his or her mentees; sending successful new scholars into society.

Evidence of achievement

Effective mentoring advances the discipline because these students often begin making significant contributions before they complete their graduate degrees. Such students are more likely to have productive, distinguished, and ethical careers.

Problem came across and the vital Resource

- Train the Mentors to be a progressive mentor by the Trained Professionals.
- Periodic Visit of Professional Psychiatric's to the institution which help the students who are struggling with some psychiatric problems.

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:

The distinctive practices of the institution have led to improvement and have had a prominent impact on the quality of the institutional provision. The key formulations followed by our college are transparent procedure in all the process, effective student mentoring, merit scholarship for rank holders, availability of an amazing ambience that supports creativity and innovation, construction of language lab and organization of blood donation camps through National Service Scheme.

Engineering today is the most versatile profession in the world. The world has seen great innovations and technological transformations in the recent decades. Similarly, the expectations from engineers are increasing and it is time for engineers to take-up their roles as innovators, thus contributing towards the mankind for a better tomorrow.

By realizing the above needs and to bring about the interest factor amongst the students about the latest

technologies and as an attempt to make our students learn through innovations, our institution started Sri Leo Muthu Innovation Centre. It has been set-up as a lab and is open 24 x 7 where students can work on their innovative ideas and build real projects/products. Here, our students from different disciplines come together with a common objective of creating projects using cutting-edge technologies by integrating their respective engineering skills.

As a result, the students now are highly inspired and motivated to take-up challenging projects and work on them out of passion. They have also participated in various national and international level competitions events and competitions.

Our team of 12 students, have designed, analyzed and manufactured an Autonomous Underwater Vehicle-AUV [Underwater Robot], Mars Rover, CANSAT, Students Formula Vehicle, All-Terrain Vehicle, Android Apps for Farmers, Firefighting Drones, Surveillance RC Crafts, Solar Single Seater as well as Multi Seater [6 Seater] Vehicle, Electric Bike and Go-kart Vehicle. Last year all these teams participated in various events in India as well as Singapore (16 events) and brought laurels for our college.

File Description	Document
Any additional information	View Document

5. CONCLUSION

Additional Information :

- Sri Sairam College of Engineering is presently headed by Sri. Sai prakash Leo Muthu, CEO & Chairman, a committed and dedicated Engineering Professional.
- One of the best of its kind Sri Leo Muthu Innovation Center (SLMIC) for the students for their Application oriented research activities under three different domains like VR & AR, Embedded etc.
- The Institution is continuously participating 0
- CCTV Surveillance of campus, class rooms and hostel.
- Computer Laboratories are furnished with air conditioned with adequate infrastructure.
- The college has 65 Mbps internet connectivity and a professionally designed website (www.sairamce.edu.in).
- The college has set up smart class rooms and is in the process of converting every class room to a smart class room.
- Department of Mechanical Engineering has been recognized as Research Centre by Visvesvaraya Technological University Belagavi.
- Many members of our faculty have been recognized as the Ph.D. research guides.
- Funded research projects to the tune of 1.35 crores from AICTE, DST, VTU, MHRD, VGST and DRDO have been obtained in the last few years.
- Merit Scholarship of full tuition fee waiver to students, who secure 90% of end exam result in academic.
- Personality and professional development of students are given importance.
- Students are good at organizational capabilities.
- Students are actively counselled by the faculty advisors.
- Students give feedback on teachers.
- Comfortable hostel facility is available.
- The college houses a indoor sports complex having gymnasium, TT, Foot ball etc.,
- Excellent placement record - More than 92 % of eligible undergraduate students get placed every year in leading companies.
- More than 30 % of eligible students pursue higher education overseas, after getting qualified through GRE, TOEFL.
- Twenty-four hours free medical care is available.
- The college has entered into MoUs with leading industries, which are being pursued actively.

Concluding Remarks :

Sri Sairam College of Engineering with 21 years of existence in the Engineering Education is offering four UG programs with one Ph.D program in Mechanical Engineering.

Institution is able to attract the students from all the corners of the country mainly due to the Teaching & Learning Process, Evaluation process, Extended Learning practices etc., adopted in the institution The institution is concentrating on project based learning systems for all round growth of the students.

Continuously the institution is participating in the rankings and ratings of well established magazines. The magazines like India Today, Times of India, Dataquest, Education world and The week have given the rank for our institution well within 10 in Bangalore, within 20 in Karnataka and with in 100 in India. Based on the well

established systems, the institute has also got awards like “Best Institution Award” and Best P & P Award.

The Institution has given equal importance and established the infrastructure like Smart Class Rooms, Labs, Extended Learning Centers, and innovation Centers mainly to create ambience to the students to become more innovative.

The Institution gives priority for extended programs like NSS, Voluntary services etc., mainly to inculcate the sovereignty feeling among the students.

The institution encourages students and faculty to participate in various competitions to showcase their talent.

Keeping the above things in the mind, Sri Sairam College of Engineering is the right place for the Engineering Education.

NAAC