



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution

**SRI SAI RAM ENGINEERING COLLEGE
(AUTONOMOUS)**

- Name of the Head of the institution **DR A RAJENDRA PRASAD**
- Designation **PRINCIPAL**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **04422512222**
- Alternate phone No. **04422512223**
- Mobile No. (Principal) **9677065557**
- Registered e-mail ID (Principal) **principal@sairam.edu.in**
- Address **SAI LEO NAGAR, POONTHANDALAM
VILLAGE, WEST TAMBARAM, CHENNAI -
600044**
- City/Town **KANCHEEPURAM**
- State/UT **TAMIL NADU**
- Pin Code **600044**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **26/09/2019**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status

Self-financing

- Name of the IQAC Co-ordinator/Director DR K MARAN
- Phone No. 04422512222
- Mobile No: 8754501112
- IQAC e-mail ID iqacsec@sairam.edu.in,
sairam@sairam.edu.in

**3.Website address (Web link of the AQAR
(Previous Academic Year)**

<https://sairam.edu.in/iqac/>

**4.Was the Academic Calendar prepared for
that year?**

Yes

- if yes, whether it is uploaded in the
Institutional website Web link:

[https://sairam.edu.in/academic-
calendar/](https://sairam.edu.in/academic-calendar/)

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.37	2018	02/11/2018	01/11/2023

6.Date of Establishment of IQAC

12/04/2012

**7.Provide the list of Special Status conferred by Central and/or State Government on the
Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE
of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Institution (IQAC)	NAAC SPONSORED SEMINAR	NAAC	04/09/2021	30000
ICE	FDP	AICTE	10/09/2020	417758
EIE	STTP	AICTE	14/09/2020	397667
MBA	FDP	AICTE	10/09/2020	435333
MECH	ATAL - FDP	AICTE	03/09/2020	93000
CSE	ATAL - FDP	AICTE	27/11/2020	93000
ECE	ATAL - FDP	AICTE	04/12/2020	93000
S&H (PHYSICS)	RESEARCH	UGC DAE CONSORTIUM FOR SCIENTIFIC RESEARCH	17/12/2020	253140

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Did IQAC receive funding from any funding agency to support its activities during the year? **Yes**

- If yes, mention the amount **30000**

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

Participation in NIRF, ARIIA, IIC ,Lilavati Award , AICTE-CII award and Clean Smart Campus Award

Mapping of UG projects with Sustainable development Goals (SDG)

Organized NAAC Sponsored seminar titled 'Revised Accreditation Framework for quality enhancements in HEI's'

Organized seminar on Implementation of National Education Policy 2020 for faculty and students as per the direction of AICTE on 19.03.2021

Introduction of Sairam Innovation and Eco system

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Participation in NIRF 2020	Ranked 109 among Engineering category
Plan to introduce new UG courses B.E Mechanical and automation & M.Tech (CSE) 5 years Integrated Course	Approval sanctioned from AICTE and Anna University . Courses commenced from the academic year 2021-22
Participation in Lilavati award	Awarded under the category of Literacy and Self defence
Conduct of academic audit with external audit members	Academic audit conducted on 23rd and 24th April 2021
ISO 2nd Surveillance audit	ISO 2nd Surveillance audit conducted on 10.11.2020
Introduction of Educational Organizational Management System(EOMS) code in audit formats	EOMS codes introduced in line with NBA and NAAC Criteria
Planned to organize FDP on OBE	Organized FDP on Outcome based Teaching Learning process -An NBA Perspective on 15.12.2020
Planned to organize FDP on Course outcomes	Organized FDP on Articulation of course outcomes 05.01.2021

13. Was the AQAR placed before the statutory body? **Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
23rd IQAC MEETING	23/10/2021

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

Part A

Data of the Institution

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23rd IQAC MEETING	23/10/2021				
14.Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					
<table border="1"> <tr> <td>Year</td> <td>Date of Submission</td> </tr> <tr> <td>2021</td> <td>28/02/2022</td> </tr> </table>		Year	Date of Submission	2021	28/02/2022
Year	Date of Submission				
2021	28/02/2022				
15.Multidisciplinary / interdisciplinary					
In our Autonomous Curriculum, few of the courses are introduced based on interdisciplinary approach.					
16.Academic bank of credits (ABC):					
Our institution has registered in www.abc.gov.in .					
17.Skill development:					
There is an active Skill Development Club and many activities are conducted on enhancing the technical and non-technical skills of students.					
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)					
Students are encouraged to apply for internships and projects based on Indian Knowledge System.					
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):					
Most of the departments are accredited by National Board of Accreditation (NBA), the process of OBE is followed diligently in our institution.					

20.Distance education/online education:

The process of Distance Education and online education will be introduced in a near future.

Extended Profile**1.Programme**

1.1

17

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1

4170

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1120

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

4165

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

18

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	381
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	381
Number of sanctioned posts for the year:	

4.Institution	
4.1	672
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	122
Total number of Classrooms and Seminar halls	
4.3	1525
Total number of computers on campus for academic purposes	
4.4	2013.93
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B
CURRICULAR ASPECTS
1.1 - Curriculum Design and Development
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.
1. The College is an autonomous institution affiliated to Anna University. A well scrutinized and state of the art syllabus is framed with the input of industry and academic experts to

strengthen the curriculum and syllabi on par with the industry requirements for betterment of the student community. 2. POs, PEOs, PSOs and Course Outcomes are drafted with the need for societal development, development for Research and Development and also for the protection and preservation of the environment. 3. Preparation of adequate and updated contemporary learning materials, library with e-learning resources to enhance student's knowledge and skills (resources) and also in understanding sustainable development. 4. Adopting innovative teaching methods and practices to focus on attention, listening, learning and application oriented practices. 5. In the technologically changing global scenario, students are encouraged to participate in seminars, video lectures, group discussions, workshops, brainstorming sessions and Value Added Programmes (VAP). 6. Systematic examination process is carried out with internal assessment components for 40% are done through skillrack assessments, Continuous assessment tests, Skill enhancement courses, MiniProjects, Live-in Labs, projects with relevant SDG related activities to enhance the competency level both locally and globally.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	https://sairam.edu.in/curriculum-syllabus/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

16

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

73

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

132

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

18

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

The institution has a set of courses relevant to Professional

Ethics, Environment and Sustainability and Human Values imbibed in the curriculum. Apart from the curricular aspect, the institution emphasizes these principles through various cells and clubs with active participation from students and faculty. The sustainable development goals are integrated as a part of the curriculum and students are encouraged to undertake activities pertaining to the same through various NSS, UBA and club activities. The students are required to map the activities like Live in labs, mini projects and projects to relevant and appropriate SDG goals and targets. There is equal representation of women in all the committees formed. Girl students with exceptional performance in Academics, extracurricular and co-curricular activities are awarded every academic year. Blood donation camps are conducted every year by the NSS wing with students and staff participating willingly. During natural disasters, the NSS wings fling into action and help out the needy. There is an active tree planting campaign and agricultural club that undertakes activities to maintain the greenery in and around the campus. As part of the Green initiative the institution has installed solar power plants, bio waste treatment plants.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

31

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

975

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1705

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://sairam.edu.in/wp-content/uploads/2022/07/Alumni-Feedback-sample.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

File Description	Documents
Provide URL for stakeholders' feedback report	https://sairam.edu.in/wp-content/uploads/2021/12/1.4.2-action-taken-report.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment of Students	
2.1.1.1 - Number of students admitted (year-wise) during the year	
1207	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)	
886	
File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File
2.2 - Catering to Student Diversity	
2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.	
<p>The Institution identifies the slow and advanced learners amongst the students through their performance in continuous assessment tests, end semester examinations and class-room discussions. Mentoring system supports to identify slow and advanced learners. The students with difficulty in their academics due to lack of self-motivation and grasping power in regular learning methods are specially encouraged by the respective mentors to increase self-confidence.</p> <p>The advanced learners are motivated to undergo internship, industrial projects in reputed industrial and research organizations. They are given the opportunity to enroll and excel in more number of MOOC courses. The students are encouraged to attend the conferences, seminars, workshops, Hackathon, Business plan, global and national award winning competitions. The advanced learners can impart their ideas by making prototypes and</p>	

facilitate to Start-Up.

The students identified as slow learners are given special attention to improve their performance by conducting counselling and coaching classes. In addition to conducting problem solving sessions and additional tutorials, confidence building and motivational lectures are also arranged. Faculty members guide the students personally and they are encouraged to discuss their problems with them. The main objective of this program is to make them competent and self-confident to face the exams and graduate successfully.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sairam.edu.in/wp-content/uploads/2021/12/2.2.1-Program-for-slow-learners.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2021	4170	381

File Description	Documents
Upload any additional information	View File

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:

The curriculum is framed with the inputs and suggestions from various subject experts to provide experiential and participative learning. Student -centric learning is nurtured by providing an ICT enabled campus and IP enabled library facility which provides a platform for students to develop their contemporary skills understanding, approach and ethics to shape their behavior in a suitable manner. The Institute imparts the following experiential learning practices namely, Theory to Practice Lectures, IIT PALS activities, e-learning activities through Swayam Prabha technology DTH channel, Centre for Teaching Learning- EDUSAT, Virtual Lab, Spoken tutorial, NPTEL, e-books and e-journals, Internship

programs and industrial visits. Institution established industrial centers like eYantra, CISCO networking academy, Cyber security center, IOT research lab. Sai Carnival is an annual event organized by the students to inculcate experience in socio-cultural values. Collaborative research publications enhance the student's experience in sharing knowledge. Students are encouraged to find out the solutions for real time problems through case studies, hackathon and field/industrial projects. Skillrack platform is available for the students throughout the year to get better exposure to coding and computer programming.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://sairam.edu.in/2-3-1-student-centric-methods/

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The Institution provides an e-learning atmosphere in the physical classroom. In addition to chalk and talk method of teaching, the faculty members use the ICT enabled learning tools such as PPT, videos, audio system and online resources to get exposed in advanced knowledge and practical learning using LCD. The faculty use collaborative teaching methods like presentations, seminars, debates, group discussions, assignments, quiz, class tests and laboratory sessions. The students are exposed to digitally equipped seminar rooms. A full-fledged Digital Library with ample resources for learning and research activities is available for the faculty and learners. Online teaching is further enhanced by providing digital content in all the subjects. Seminar and Conference rooms are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students. Online quizzes are posted in the Google Classrooms by the faculties after the completion of each unit using Google forms. E-books and e-journals are shared with students to enhance knowledge and skills in contemporary areas.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://sairam.edu.in/wp-content/uploads/2021/12/Digital-course-contents.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

337

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The institutional academic calendar contains plans for curricular and co-curricular activities that include schedule of assessment, laboratory practical, end semester examination, co-curricular activities, technical events, list of holidays and extra-curricular activities. The detailed lesson plan/teaching methodology as suited to syllabus is prepared by each faculty before start of the semester. Lesson plans are then prepared based on the academic calendar. The laboratory Schedule is prepared by the concerned faculty and batch-wise details are specified in laboratory schedule. Time Table of regular lectures for the semester is prepared as well and displayed on the notice board and website. Any minor changes in academic calendar which may deem fit considering the unforeseen circumstance is done by the authorities of the institution. The department's advisory board and programme assessment committee ensures the smooth adherence of the academic calendar. The committee members suggest number of events to be conducted under co-curricular and extra-curricular activities.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

381

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

121

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3896

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**31 days**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year**0**

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The office of the Controller of Examinations incorporated Information Technology in the regulation of Examination System. The entry of marks, Grade, Percentage and Cumulative Grade Point Average (CGPA), preparation and analysis of results have been automated. During COVID-19, the teaching - learning process went completely online, and the college was able to conduct the Continuous Assessment Tests and the End-semester examination through Google meet and Examly software tool respectively, which made the conduct of tests online hassle free. MCQ questions were also introduced for all the programmes through the online mode. The Examination Committee made alterations to the exam rules for the conduct of examinations online. The online process of evaluating answer scripts was effectively done. Students have also been provided access to view their overall marks of the academic performance in the Edumate portal exclusively by logging in. In addition, the students can view all the notices and circulars

pertaining to the matters related to examinations released by the office of the Controller of Examinations through online platform

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The Program Outcomes (POs) signifies the knowledge, Managerial skills and attitudes the students have to attain at the completion of their program. Course Outcomes (COs) give the knowledge and skills the student obtains at the end of each course and outlines the perceptive progressions a course provides. The Program Outcomes (POs) and Course Outcomes are exhibited and communicated to the teachers and students of the institution by the following processes. After the approval of the Department Advisory Board the POs and COs are made available in the Institute website. POs are displayed in the classrooms, staffrooms and the prominent places in the campus like department office, library and laboratories. POs are included in the students mentor books and staff attendance register. The Vision and Mission are displayed in the classrooms, staffrooms, laboratories, offices and other important places in the campus. The Department advisory board frames course committee for each course with the course handling staff and one subject expert. The mapping of the course outcomes with program outcomes are discussed and derived by the course committee members. Course Outcomes with the objectives and lesson plan are issued to the students and briefed during the first session of their classes.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://sairam.edu.in/co/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Students' progress and learning outcomes are monitored through continuous evaluations, tutorials and laboratory exercises, and live projects/assignments. The College conducts three tests in all courses and reviews the performance of students. At the end of semester, student feedback is taken. Curriculum, Assessment and Evaluation, Determining the gap in PO attainment and extra module to bridge the gap are the major tools in PO attainment.

The process of attainment of COs, POs and PSOs starts from writing appropriate COs using Blooms Taxonomy for each course. Then, a correlation is established between COs and POs and COs and PSOs on the scale of 0 to 3.

Thus, mapping matrix of COs - POs and COs - PSOs are prepared for all the courses and finally these matrices are merged to form a Program level CO-PO Matrix and CO - PSO Matrix.

Some of the Direct CO assessment tools used to measure the attainment levels are :

Test - I

Test - II

Model Exams

Assignments

End semester exams

Course Exit survey is also conducted at the end of the semester. The different weights are assigned to each of above tools.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://sairam.edu.in/wp-content/uploads/2021/12/2.6.2-CO-PO-Attainment-2017-21.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1120

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://sairam.edu.in/#

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://sairam.edu.in/wp-content/uploads/2021/12/2.7.1-Student-Satisfaction-Survey-2020-2021-.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Sri Sai Ram Engineering College creates a conducive environment of research for faculty and students. The institute provides the necessary infrastructure facilities to carry out research. The new research labs are established every year. The departments are encouraged to apply for recognized research centers to the affiliating Anna University. A research committee is established with internal committee members and external advisory members. The Dean (R&D) facilitates the faculty members to apply for funded and sponsored projects. Screening is done on the research proposals submitted to the funding agencies by the research committee for quality proposals. Seed Money is provided to the faculty and students for their innovative project ideas. IPR Cell conducts an awareness program on guidelines for patenting. IPR Cell encourages and motivates faculty and students for filing patents. The students are sponsored to publish their papers in International Conferences. The faculty members are encouraged to publish papers in high-impact factor journals. The research guide facilitates the conversion of the quality projects of final year students to research papers & patents. Seminars / Workshops are conducted for faculty on IPR and research methodology to enhance their knowledge

on research activities.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://sairam.edu.in/wp-content/uploads/2021/12/Research-Policy.pdf
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)****16.4**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**21**

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

127.245

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

62

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

27

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

7

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.serbonline.in/SERB/serbPowerInstructions
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution is functioning with a specific vision to enable the learning and development of extraordinary, innovative and complete engineers who will bring new levels of creativity, design thinking, and multidisciplinary approach. The innovation ecosystem with required infrastructure, enable students and faculty to convert their innovative ideas into sustainable products through the following well defined phases. Sairam SDG Ideathon, Sairam SDG Solveathon, Sairam SDG Innovathon, Sairam SDG Inspireathon.

Entrepreneurship Development Cell is functioning with a focus of promoting Entrepreneurship activities in the campus.

The IPR Cell of the institution is facilitating the drafting and filing of patents and copyrights. Innovation Clinic and IP Clinic are newly established innovative processes of our institution to promote student's and faculty members' intellectual properties.

Sairam Techno Incubation Foundation is a section 8 company taking

care of the promotion of technology incubation. Seed funds are being provided for various incubations and dedicated work space is given to the incubates.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

24

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year**32**

File Description	Documents
URL to the research page on HEI website	https://sairam.edu.in/department/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**95**

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

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**111**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year****1522**

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

2.21

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

62.132

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

5 lakhs

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The college organizes a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities. The college runs effectively National Service Scheme and National Cadet Corps Units. Through these units, the college undertakes numerous extension activities in the neighbourhood community.

NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers which include Cyclothion Event, Free Eye Screening and Cataract Survey Camp, Women's Day Celebration, Preserving Water Bodies and Tree Plantation, World Water Day Awareness Program, Green Kalam Project, Workshop On Guidance for Psychological Counseling and Helper Skills, Tobacco Day Awareness etc.

Our college has Unnat Bharat Abhiyan(UBA) Unit. It organized the campaign to make awareness about Sustainable Development Goals'(SDG), Organic composite' campaign etc. The NCC unit of the college organizes various extension activities as tree plantation, Creation of Awareness to the public about the importance of covid-19 vaccination, Ek Bharat Shrestha Bharat (EBSB) camp, Slogan Competition - Swarnim Vijay Varshetc. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

4

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

40

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2343

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

462

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

18

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The vision of the college management is to constantly improve the student's learning environment by providing infrastructure that is on par with the prestigious institutions of India. The campus is spread over an area of 39 acres with buildings of high-standard, classrooms with proper ventilation, numerous laboratories, auditorium, smart classrooms, library, indoor and outdoor stadiums. Restrooms are provided at regular intervals in each corridor.

Facility

Total Number

Total Area in Sq.m

Class Rooms

107

9012 Sq.m

Tutorial Room UG

32

1429 Sq.m

Tutorial Room PG

15

756 Sq.m

Labs

110

10070 Sq.m

Seminar Halls

15

2659 Sq.m

Smart Class Rooms

2

334 Sq.m

Auditorium

1. Sri Leo Muthu Stadium

2. Sigma Auditorium
3. B Block Auditorium
4. Open Air Auditorium

1

1

1

1

20849 Sq.m

1217 Sq.m

335 Sq.m

1485 Sq.m

Video Conferencing Room

2 (Each 283 Sq.m)

566 Sq.m

Workshop

5

1294 Sq.m

Additional Workshop

14

3647 Sq.m

Drawing Hall

3

504 Sq.m	
Research Lab	
8	
799 Sq.m	
Computer Centre	
3	
865 Sq.m	
Library	
Stack Area	
Reading and Reference	
Periodical Section	
414 Sq.m	
293 Sq.m	
28 Sq.m	
Central Library	
1	
7749 Sq.m	
HOD & Faculty Cabin	
46	
1697 Sq.m	

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/infrastructure/

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

Sports Facilities have been established for various games inclusive of Cricket, Football, Basketball, Volleyball to ensure the focus of the institute in providing extra-curricular activities to the students. Separate and spacious hostels are provided for both boys and girls, accommodating students from various regions of the nation.

Sports Complex (Indoor Stadium)

-
- Shuttle Badminton
- Table Tennis
-

Gymnasium:

- Weight lifting equipment
-
- Dumbbell sets
- Pull up bars
- Squat stations

Extra Curricular Activities

The college organizes events related to NSS, NCC, and YRC. There are nearly 50 different clubs pertaining to various topics of interest ranging from Adventure club, Health club to Robotics and others.

S. No	Sports/Indoor or Outdoor Games/Gym/Cultural Activities/Yoga
Number of Courts	
Area	
Size	
Year of Establishment	
User Rate	
Remarks	
1.	
Volleyball (alternatively used)	
4	
2400 Sq.m	
162 Sq.m	
2002	
82%	
1. Utilized as & when required	
2. Maintained in the requisite condition	
2.	
Basketball	
2	
2400 Sq.m	
960 Sq.m	
2002	

70%

-do-

3.

Ball-Badminton (alternatively used)

4

2400 Sq.m

13.42'X 19.52'

2002

70%

-do-

4.

Throwball

1

2400 Sq.m

12'x18.50'

2002

65%

-do-

5.

Cricket Nets

2

130 Sq.m

10'x70'

2006

85%

6.

Cricket grounds

2

54785 Sq.m

210' circumstance

2006

85%

-do-

7.

Football (alternatively used)

3 Fields

1100Mx60M

2006

80%

-do-

8.

Hockey (alternatively used)

3 Fields

90Mx 60M

2006

65%

-do-

9.

Multi Gym

(Modular Gym)

1

155 Sq.m

-

2008

70%

-do-

10.

Sigma Auditorium Badminton

4

1217 Sq.m

40'x22

2015

80%

-do-

11.

Leo Muthu Indoor Stadium

20849 Sq.m

2015

-do-

12.

Table Tennis

10 Boards

-

2015

65%

-do-

13.

Carrom

4 Boards

-

2015

60%

-do-

14.

Chess

500 -Participation

-

2015

65%

-do-

15.

400 M Standard Track - field

36435 Sq.m

2015

75%

-do-

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/google-street-view-sri-sairam-engineering-college/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

88

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

319.87

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Yes our library is automated using Integrated Library Management System (ILMS), SAIABRAS - Sai Automated Book Repository Administration system was developed by our MCA students (2009 batch). SAIABRAS is a highly integrated, user-friendly, and compatible library automation system or complete computerization of all the in-house operations of our library. The library management software is intuitive, efficient, and compliant. Lib. The integrated library software developed in consultation with prolific senior library professional. The different modules of SAIABRAS are

Acquisition & Cataloguing : The acquisition & cataloguing module of the library management system enables the librarian to select & buy books, journals, and other resources and create a database of the same for easy book search.

Circulation: The circulation module enables the librarian to create and manage borrower types along with keeping a tab on their book issue date, return date, dues, and fines. It enables a smooth circulation of books in the library.

MIS Reports: Management information systems or MIS reports related to the library allow the librarians to extract crucial data & information of all the library transactions at a few clicks. Accurate MIS reports fostering better decision-making.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/library/

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources		A. Any 4 or more of the above
File Description	Documents	
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File	
Upload any additional information	View File	
4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)		
12.09		
File Description	Documents	
Audited statements of accounts	View File	
Any additional information	No File Uploaded	
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File	
4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)		
4.2.4.1 - Number of teachers and students using the library per day during the year		
100		
File Description	Documents	
Upload details of library usage by teachers and students	View File	
Any additional information	No File Uploaded	
4.3 - IT Infrastructure		
4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities		
College has a policy of allocating 1% of total budget for upgrading IT facilities. All devices are upgraded once in 2 years or till the license get expired		

The college has more than 30 WiFi access points 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. For Cyber security we are having FORTIGATE 600E firewall.

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 500 Mbps Provided by JIO.

Updations in IT Facilities and Wi-FI

S.No

Updations in Systems

Year of Updations

1.

20 Systems updated from Core i5 HP All in one to Lenovo ThinkPad Corei5

2020

2 Fortigate 600E firewall 2020 3. RUCKUS R610 WIFI ACCESS POINT 2020 4 RUCKUS T301C WIFI ACCESS POINT 2020

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NIL

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5406	1570

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 50 Mbps
--------------------------------------------------------------------------------------------------	------------

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/e-content-facility/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)
895.54

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

The college has appointed several personnel for maintaining the infrastructure by way of building maintenance, transport, furniture and generator operator in case if the power shuts down. Separate Complaint registers were maintained for various services like electrical, plumbing, housekeeping etc. The people, who work here on maintenance of the college, will report regularly about the breakage of instruments and devices to the higher authority. Any complaint regarding the maintenance sector is viewed seriously and will be rectified at once. Several faculties are appointed as in-charges of laboratories. These people monitor the students during their practical session and they are responsible for maintenance of the equipment and computers in the laboratories. System Administrators and network administrators monitor the networking in the campus. Any fault in network is reported to the networking team headed by Dean Networking, who in turn looks after the faults and solves it. A van is kept ready throughout the day for emergency hospital visit. Banking facility with an ATM center, Stationery store and photo copying center are available within the Campus. The college encourages sports activities and gives importance for students to pursue excellence in sports. The college has all necessary infrastructure for growing talents and developing sports personalities. The sports infrastructure comprises facilities for indoor and outdoor games. There are well groomed outdoor play fields for Cricket, Football, Basketball, Volleyball, Athletics etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/bank-atm/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the

Government during the year**1632**

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year**417**

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://sairam.edu.in/criteria-2020-2021/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**1706**

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

825

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

45

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

23

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

23

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Every academic year, a Student council is formed consisting of one student representative from various committees of individual Departments. One student is selected as Student Chairman from the council every year. The student council plays a vital role in Departmental activities such as organizing hackathon, technology

based competition, symposiums, seminars, conferences, alumni, startups, workshops and various club activities.. The council members involve themselves in their Department newsletter preparation and in the editorial committee. The student representatives also participate in the preparation of the college calendar and to plan college activities. Especially the Department symposia are completely planned, organized and conducted by the students under the supervision of the faculty.

They are also involved in social activities such as visiting villages, creating awareness on various social issues. The student representatives also actively participate in the Sports committee, cultural committee, magazine committee, calendar committee etc.

The college provides ample avenues for developing technical skills, updating knowledge, personality development and service to the society through various Associations and Societies. There is a staff advisor to guide the students in the smooth and effective functioning of the Associations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sairam.edu.in/sites/uba/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

2

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Alumni Association was formed in the year 2000 and registered under the title "Sri Sairam Engineering College Alumni

Association"with the Reg. No: 220/2007. The alumni meet is conducted once in a year, where the alumni from different branches of the undergraduate and postgraduate programs share their views and give suggestions for the betterment of their junior students. These meetings are mutually beneficial for the Institution and the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge, financial contribution towards infrastructure and insights.

The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from the alumni are invited to talk on their success stories at various occasions of the Institute.

The alumni also help the final year students of the various streams of engineering, business administration and computer applications to get their placements and internship in their companies or to assist them get it through their reference.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	View File

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

The institute vision is to emerge as a "centre of 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 stronger, who in turn shall contribute to the advancement of society and humankind.

The mission of the institute is to dedicate and commit ourselves to achieve, sustain and foster matched excellence in Technical education. To this end we 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

As per the institutional governance, we have established a very good practice of participatory management and decision making responsibility of event coordinators and the team members ,which ensures a decentralized procedure in the campus. Roles and responsibilities of coordinating teams are disseminated in advance by conducting meetings .The deliberations of these meetings are shared to all 'stakeholders' of the college.our PRINCIPAL interact with various bodies in order to implement best practices for students betterment.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Case Study-Examination system is considered as one of the best example for the effective leadership in institutional practices such as decentralization and participative management.

In the academic process the assessment and evaluation system plays a pivotal role in assessing the students performance and respective graduate outcomes.We submit here the conduct of examinations and declaration of the results as a case study which highlights the decentralization and participative management.The organization structure for arrangement of examinations is uploaded for understanding the clarity of roles.

For the academic year 2020-2021 in spite of the Pandemic and lock down situation in our institution examination was carried out

online with greatest precision and with usual care as carried out in offline including central valuation of answer scripts. Also a fully secured examination office equipped with computer systems, separate cabins for all coordinators and dark room facilities / storing area of answer scripts was established even during the pandemic. online exam fees paying system - an easy to use fee payment facility was also introduced for the students. The success of the system implementation was only possible because of a proper work methodology, a dedicated leadership with a sincere team.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	NIL

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

CASE STUDY- SAIRAM INNOVATION ECOSYSTEM-Sri Sairam Engineering College, believes in hard work and excellence in all dimensions in the way in which the faculty and the students gets opportunity to learn new skills and to meet the global changes happening in day to day life. The institute has successfully implemented many strategic plans in the past year. One such plan is the Sairam Innovation Eco - system- It consists of SAIRAM SDG IDEATHON, SAIRAM SDG SOLVETHON, SAIRAM SDG INNOVATHON, SAIRAM SDG INSPIRETHON.

Sairam SDG Ideathon 1.0 was conducted on 26.2.2021. It started as an immersion Program concentrating upon- Generation of ideas, Educating critical thinking, SDG goal wise distribution and domain wise distribution.

Perspective plan is to inculcate an innovation project mindset among students and to concentrate upon product development leading to publications and patents. Alignment of SDG with the ideas and students project will enable our institution to contribute

socially relevant project for the society and adopted villages. A culture of collaborative and interdisciplinary project work among students will be cultivated.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	NIL
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

6.2.2 Organizational Functioning

Institute functioning is carried out by independent wings under the command of Principal, who in turn reports to the governing council headed by CEO and trust. Functioning and hierarchy is shown in the organogram.

The various functional bodies are 1. Governing Council 2. Academic Council 3. Board of studies 4. Department Advisory Board 5. Programme Assessment Committee. The functional bodies include academia experts, industry experts, Alumni, and Parents through which valuable suggestions are received for continuous improvement.

Various committees are constituted for the smooth functioning of various academic, co-curricular and extracurricular activities.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sairam.edu.in/wp-content/uploads/2018/08/ORGANOGRAM.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	NIL

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above
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File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Faculty welfare schemes provided by our Management :

- Sponsorship for higher education
- Sponsorship for attending conferences, FDP, Seminars, workshops and STTP
- Sponsorship for Research conference presentation in India and Abroad
- Seed capital for Research, Innovation and startup
- IPR Registration process fee reimbursement
- Sponsorship for Professional Body Membership
- Sponsorship for AICTE- National Initiative for Technical Teachers Training (AICTE - NITTT).
- Group Insurance Scheme
- Free Medical Checkup
- Fee waiver for kids of employees in group Institution
- Marriage gift of Rs.5,000/- to the staff

- Cash Incentive for 100 % result to the faculty members
- Special Cash Incentive of Rs.1,000/- to all the staff members (Teaching, Non-teaching and Supporting staff) during the Teacher's Day Celebration.
- Special Allowance amount of Rs.500/- to teaching and Rs.250/- to Non-teaching staff members for getting Institutional Ranking and Rating.
- Cash award to all the Teaching and Non-teaching staff members for bagging University Ranks.
- Presented Tablet PCs to all the faculty members for enhancing Digital Teaching Learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

56

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

61

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

213

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal and External audit team is instrumental in setting up the financial controls and systems of our college. The Internal audit ensures sufficient systems and procedures are in place for adherence of institutional policies, physical verification of all assets, accounts book, vouchers along with supporting documents are maintained, confirmation of balances from debtors, creditors and other parties are obtained periodically at the end of the year and proper systems and procedures are in place for internal control at the various department levels. It has been a regular practice that the expenses of the activities are submitted to the Accounts officer for closing the accounts. Internal Audit is performed and the reports are obtained before the conduct of the external audit, after the closure of the accounts. External Audit is conducted by the Statutory Auditors in the subsequent financial year. During the audit, the accounts are regularized, to obtain confirmation for the credit balances, to collect documentary evidences in respect of payments, compliance of TDS, Statutory Formalities and Reconciliation of unit-wise balances with the

Control Accounts and Bank Reconciliations. The copy of the audit report is preserved.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NIL

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

1365285

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

The strategy for mobilization of funds and the optimal utilization of resources of the college can be narrated as follows.

The resource mobilization policy of the institution is highly transparent and the mobilization of funds for the operation of the institution is mainly through the avenue of fee collection. The various avenues of fee collection are listed as: Tuition fees ,Transport Fees, Hostel Fees and Canteen collection The optimal utilization involves 50% goes out in paying salary to the faculty members and staff of the institution. Major chunk is utilized for paying Electricity charges and Transport charges. A substantial portion is earmarked for equipment purchase, purchase of library books. The canteen revenue almost completely goes for the canteen expenses as the institution has committed to providing high-quality hygienic food to the faculty members, staff and students of the institution. The resources are utilized for maintenance services of housekeeping, gardening, Renovation/ repairs of the institution. Based on the growing needs, funds are allocated for the construction activities in the main college campus and in the hostel. Hence it can be concluded that the college has well-

defined, highly transparent strategies for funds and well-charted plans for the optimal utilization of the resources

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	NIL

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

1. Effective design of curriculum based on students learning outcomes which aims in developing the skills necessary to bridge the gap between industry and institution. Apart from the Basic Sciences, Engineering Sciences, Humanities & Sciences, Talent Enhancement courses and program core and lab courses are also included in the curriculum. The Talent Enhancement Course is divided in two phases. These TE courses are spread across third to seventh semesters. The phase I includes Quantitative, problem-solving, Verbal and reasoning skills whereas phase II consists of topics related to the programming skills that is very much essential for all engineering programs. Phase I is common to all B.E/B.Tech programs whereas Phase II is program specific.
2. To enhance the knowledge of faculty towards TLP, the faculty were instructed to register in NITTT and under go online training of the modules offered in MOOC. All the faculty members were suggested to complete all the modules in a span of two years. To encourage the activity the management is pleased to sponsor the one-time registration fee of Rs.2000. These modules focus on outcome-based education, student assessment and evaluation, educational leadership and teaching with technology it was found useful for all faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The Institution reviews its teaching learning process through the collection of online feedback. IQAC initiates the collection of feedback at the closing of the even and odd semester of every academic year. The feedback analysis is carried out by IQAC and necessary action is taken based on the feedback. The IQAC is instrumental in conducting the internal quality audit thrice in an academic year on teaching learning process for all academic and administrative departments. The student satisfaction survey is also conducted at the end of the academic year by IQAC. The academic audit is conducted regularly by IQAC and the academic audit check list is framed as per the guidelines of NAAC.

To emphasize on student centric learning, IQAC conducts workshops/webinars on outcome-based education and NEP 2020. The autonomous syllabus was framed with inputs from DAB and BoS with clearly defined learning outcomes for every course. The CO is mapped with PO, PSO while framing the syllabus for autonomous curriculum. The internal and end semester examination question papers were checked for appropriate knowledge levels as per Blooms Taxonomy. The conduct of internal examinations and evaluation process is monitored by IQAC for continuous improvement in teaching, learning and evaluation process.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sairam.edu.in/wp-content/uploads/2021/04/ECE-First-BOS-Minutes-of-Meeting.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution

A. Any 4 or all of the above

Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://sairam.edu.in/#
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender equality is more than a goal in itself. It is a precondition for meeting the challenge of promoting sustainable development and building good characteristics. It is with immense pride to establish the facts that the number of women students enrolled in and graduating from the college are almost equal to the number of male students enrolled and graduating from the college. Stereotypes of gender roles are broken and students of any gender are allowed to take up the roles of whatever they want. The amicable environment of the institution provides equal opportunity to both the genders in our college. Various clubs and themed events are conducted in our college to instill awareness among the students about women empowerment. Every year there is a huge celebration on women's day to celebrate women and commemorate the movement for women's rights. Various leading women personalities are invited to share their experience to inspire the students. IEEE Women in Engineering (WIE) is an affinity group formed to promote and inspire women students in engineering & technology. WIE group Inspire, Engage and Empower women by conducting programs and activities to promote the entry and retention of women at international level.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sairam.edu.in/women-empowerment-cell/# & https://sairam.edu.in/cells/

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY:

SOLID WASTE MANAGEMENT:

The solid wastes are collected based on their degradability in separate bins. These wastes are used to generate bio-gas. The waste from the kitchen is converted into bio-gas and is used for cooking purpose in kitchen. Sanitary napkins are disposed using the incineration process. Other solid wastes such as Plastic bags, PET bottles, Straw, Plastic Cups are collected and given to a vendor on a regular basis.

LIQUID WASTE MANAGEMENT:

The waste from the toilet is diverted to bio-gas plant via septic tanks. The unique feature of the bio-gas plant is installed to link the toilet. The bio-gas usage reduces the LPG cost. The digested sludge from the biogas plant is used as manure for lawns.

E-WASTE MANAGEMENT

The following measures are being adopted by our institution to manage the e-waste :

- Non-working computers, monitors and printers are discarded and scrapped on a systematic basis.
- The above e-waste from labs is properly collected and is reused wherever possible. Also it is given to the licensed recycler/donated or sold if possible.
- CII SaiRam Young Indians Club Organizes Awareness Program on e-Waste Collection and disposal regularly among the students and faculty.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered

A. Any 4 or All of the above

vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	
File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded
7.1.6 - Quality audits on environment and energy undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded
7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards	A. Any 4 or all of the above

and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution is renowned for creating a versatile and fulfilling students who contribute not only to the academic, but also for the societal and cultural development, that caters to the need for uplifting humanity in different perspectives. A culturally inclusive environment requires mutual respect, effective relationships, clear communication, explicit understandings about expectations and critical self-reflection. The students are given with adequate exposure to exhibit their talents, take part in cultural, societal, rural and health awareness campaigns. Events like International Yoga day is conducted to create awareness among the younger generation for the surrounding villages that inspired them to do yoga. The tree plantation programmes were organised to induce the young minds towards Shri APJ Abdul kalam's green India initiative. The health awareness program were organised to create awareness and at the same time, to self diagnose the symptoms of diseases. The Fit India run encourages the youngsters to be fitness oriented in future. In addition to these, on the memory day of our founder chairman Shri.MJF In Leo Muthu, the computers were distributed free to the corona centers and energy boosting foods were provided at free of cost to the blind people in the care centers.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

In the aspect of human values and ethics the institution involves the students in many different activities through NSS,NCC,UBA forums. FurtherSDG (sustainable development goals) that involves many subtopics which portray the important values of engineering and ethics that need to be followed. SDG have 17 goals that includes such as no poverty, zero hunger, good health, quality education, gender equality, clean water and sanitation, renewable energy, innovation and infrastructure etc., All students are encouraged to develop projects that aims to provide solution to these goals. There are courses for second year students involving the constitution of India, professional ethics that are mandatory. These courses inculcates among the students the constitutional rights, professional ethics and also gives a general view of the constitution of India. There are separate cells functioning for NSS (National Service Scheme), NCC(National Cadet Corps) that coordinates activities which enhances the students ability to provide service for the needy. These cells are conducting various activities such as blood donation camps, cleaning camps and rallies to improve the quality of human lives that makes the students and employees as a responsible citizens.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution

A. All of the above

organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

It is customary in our institution to celebrate/organizes national and international commemorative days, events and festivals. It is the fundamental duty of the institution to make the learning and constructing a strong cultural belief among the student. The College makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year. National festivals play an important role in planting seed of Nationalism and Patriotism among the students. Our institution celebrates these events with great enthusiasm to celebrate the ideology of nationalism and to pay honor to our great National Leaders. The institution practices ethnic diversity and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in particular to spread the message of Unity, Peace, Love and Happiness throughout. Our institution is committed to promote ethics and values amongst students & employees and encourage for the same.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice 1

1. Title of the Practice:

Nurturing students to do Projects in accordance with Sustainable Development Goals (SDG)

2.Objectives of the Practice

- To gain a better understanding on the SDG for the students
- To provide a better solution to attain the goals.
- To implement feasible solutions for social problems listed in SDG.
- To enhance quality in UG and PG projects in implementing SDG.
- Papers published in refereed International/ National journals and conferences will provide societal impact.
- To undertake collaborative projects and consultancy for long term interaction with the academia and industry in achieving SDG

Best Practice -2

1. Title of the Practice

Fostering revolutionary ideas and innovation with ideathon.

2.Objectives of the Practice

- To open up their inquisitive minds
- To inculcate design thinking and innovative learning practices
- To enhance communication and negotiations skills
- To imbibe human values and professional ethics
- To train with planning and execution skills

File Description	Documents
Best practices in the Institutional website	https://sairam.edu.in/wp-content/uploads/2018/08/Best-practices-9.12.21.pdf
Any other relevant information	NIL

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

IMPLEMENTATION OF RAISE MODEL IN THE CAMPUS

The goal of education is to aid in the making of a well contributing member to the society - Institution is always committed to ensure that, every student is chipped and chiseled for a perfect professional environment, adding value to wherever they are and to which ever profession they choose /belong to.

Change management is asystematic approach to deal with the transition or transformation of an organization's goals, processes or technologies. The purpose of change management is to implement

strategies for effecting change, controlling change and helping people to adapt to change. Successful change management relies on four core principles: Understand Change , Plan Change, Implement Change, Communicate Change. To understand and Implement change Management, the Institution started practicing a Model named RAISE : R- Realize - Understanding the need for Improvement and to adapt, Aspire - To be a better version in a changing scenario, I - Intelligence- know how to acquire skills . S-Strive - To improve skills and competencies for change , E-Enforcement - makes the habits of seeking continual improvement.

File Description	Documents
Appropriate link in the institutional website	https://sairam.edu.in/wp-content/uploads/2018/08/Institutional-Distinctiveness-9.12.21.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Implementation of UN Sustainable Development Goals.
2. Creating an Innovation Ecosystem for Innovative ideas, projects and Start-ups
3. Providing opportunity for students to explore experiential learning through live-in-labs.
4. Applying change management concepts through SAIRAM RAISE Model.
5. Accreditation for MBA Programme
6. Increase the functional MOU's with government organisations and Industries.
7. International Collaboration for Research and Cultural Relationship.
8. Faculty to undergo pedagogical training by registering and completing the NITTTT Modules.
9. Introduction of New UG and PG Programmes in Emerging Areas.

NAAC