



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		Sri Ramakrishna Engineering College
• Name of the Head of the institution		Dr. N. R. Alamelu
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		04222460088
• Alternate phone No.		04222461588
• Mobile No. (Principal)		9750952299
• Registered e-mail ID (Principal)		principal@srec.ac.in
• Address		Vattamalaipalayam, NGGO Colony Post
• City/Town		Coimbatore
• State/UT		Tamil Nadu
• Pin Code		641022
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		26/12/2007
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. K. Srinivasan				
• Phone No.	04222460088				
• Mobile No:	9994131400				
• IQAC e-mail ID	iqac@srec.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://assessmentonline.naac.gov.in/public/index.php/hei/generateAqar_PDF/MzUxOTQ=				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://srec.ac.in/aboutus/disclosures				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.33	2016	19/02/2016	18/02/2021
Cycle 2	A+	3.27	2021	21/12/2021	20/12/2026
6.Date of Establishment of IQAC			25/03/2015		
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	
Nil	Nil	Nil	Nil	Nil	
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			5		

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> 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?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
IQAC prepared a common template for receiving student's feedback on faculty, guidelines for evaluating projects, Internships and Industrial visit.		
Initiated the process of collection and consolidation of feedback given by students and faculty on facilities in the institution and student satisfaction survey on Teaching Learning process.		
Conduction of Orientation Programme for newly joined faculty members		
Conducting various audits for question paper, answer key, test scripts etc		
Conduction of Academic and Administrative Audit		
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
Strengthening of Placement training	The career development and placement division constantly organizes various training sessions for the benefit of the students
Active Engagement of Faculty Members in research and Development activities	No of PhD Holders in 2023-2024: 132
Total Number of Publications for the Academic year 2023-2024	No of Publications: 2023: Scopus 458 WoS 115 2024: Scopus 411 WoS 149
Strengthening of Teaching Learning Process	Encouragement of faculty for participation in Faculty Development Programmes during the Academic Year 2023-2024: 206
Enhancement of Intellectual Property Rights initiatives	IPR initiative details in the year 2023-2024, Number of Patents published : 15 Number of Patents received FER : 06 Number of Patents granted : 31
NIRF Participation in 2023	In the Band of 150-200
NBA Accreditation 2023-2024	Programmes Reaccredited: 1. Biomedical Engineering Programmes Accredited 1. Aeronautical Engineering 2. Civil Engineering 3. Master of Business Administration
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Academic Council	17/05/2024
14. Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2024	15/03/2024

15. Multidisciplinary / interdisciplinary

The vision of the institution is to develop centre for engineering solutions in various disciplines, in this regard several multidisciplinary faculty expertise groups have been formed to solve industry, community and society related problems. Science and humanities courses are integrated in all disciplines of engineering programmes as per the AICTE model curriculum. The contents of these courses are related to the applications of science and humanities in that particular domain of engineering for example waves and optics , Tensor calculus for aeronautical engineering, Computational Methods in Engineering -I for Robotics and Automation engineering, Nano and Quantum Physics for Computer Science and Engineering.

Open/interdisciplinary Electives are offered to all programmes for interdisciplinary knowledge transmission. The institution offers outcome based education through choice based credit system. The students are permitted to choose the faculty and courses of their choice through a course registration portal before the commencement of semester, this enables the student to choose multidisciplinary courses of their choice. New technologies involving artificial intelligence, machine learning, block chains, handheld computing devices, and adaptive computer testing devices have been introduced for students. The institution also offers courses in the emerging areas like artificial intelligence, Robotics, Internet of things, sensor technology to name few. The student from any discipline of engineering can choose these courses as minor credit courses and earn industry accredited certificates through the continuing education centre during the 2nd/3rd years of study. The institution offers several courses in its domain expertise for other institution students which enables interdisciplinary learning. Students are also encouraged to formulate teams from diverse disciplines to participate in various technical activities like Smart India Hackathons, industry sponsored hackathons and technical challenges, TNSCST Project and Technical Symposium, conference etc. the outcome of such teamwork has led to several podium finishes with cash prizes.

16. Academic bank of credits (ABC):

The National Academic Bank of Credits (ABC) portal has been integrated into the nad.digitallocker.gov.in platform and is currently in live for the academic year 2021. Our institution has registered in www.abc.gov.in . [NAD ID: NAD014987]. The institution has started specialisation/Minor courses in the emerging areas as per the AICTE norms for 20 credits. The institution has entered into a memorandum of understanding with Swinburne University, Malaysia, Aerial University, Israel, Hertfordshire University UK and other leading institutions abroad for mutual credit transfer. The institution is working with institution of national eminence and universities abroad for joint degree and twinning programmes. The different department discusses revision or development of new curriculum, and the committee assigns selected faculty members called curriculum development cell for revising or preparing new curriculum. The concerned faculty members design the curriculum based on the feedback received from various stakeholders incorporating the Programme outcome/course outcome, a list of 3-4 textbooks and reference books, and then send it to the subject experts of another University/ Institution for their suggestions. The concerned faculty members incorporate the necessary corrections/modifications as suggested by the experts and placed before the Board of Studies of the Department for scrutiny and recommendations. The Board of studies recommends the course curriculum for placing to the Academic Council for approval. The institution offers many short term courses and credited courses as specialised courses for industry personal and interdisciplinary students. The institution has started laying the groundwork for the effective implementation of ABC by making these courses available in the ABC portal.

17.Skill development:

As new age skills are required for employability, the institute initiated various skill development programs through centre for Career development and Placement division. Activities like critical thinking, case studies, Brain storming, Decision making, problem solving help the students to improve their psychomotor skills. Regular GD's, personality development programs and interview skills programmes are conducted by alumnus for the final year students. The institution offers courses on soft skills of students in alignment with National Skills Qualifications. Students are encouraged to participate in various technical skill development activities in their domain of study through value added courses resulting in certifications which help the students to secure employment. This provides experiential learning which helps them to take an initiative to take up various technical activities. Vocational skill

development courses in aeromodelling, welding and plumbing etc. are also offered for school children and school dropouts. Value added courses like Design Thinking are also offered through SREC COIN. To strengthen the students communication skill in accordance to corporate needs regular communication skill classes for all the students from the day of entrance in to our campus is conducted which lead to Business English Certificate by University of Cambridge and British council. English literary club activities like effective presentation, versatile writer and other similar activities create an ability in the student to collaborate and communicate along with sense of responsibility towards personal and society at large. Entrepreneurship training is provided to the student to enhance the skills to initiate their own enterprise. The institution offers a Mandatory course on Human Values and ethics as per the AICTE norms. The course is conducted through a period of 45 weeks across 3 semesters, the contents help the student to see the need for developing a holistic perspective of life, to sensitize the student about the scope of life - individual, family, society, nature/existence and strengthening self-reflection. National and regional festivals are celebrated to inculcate constitutional and cultural values. Activities such as debate, essay writing, elocution drama, dance etc are conducted on themes like communal harmony and human rights to develop humanitarian values. Values are practiced by students in activities related to cleanliness, hygiene by providing an environment of no plastic. The institution offers one credit industry run and assessed courses which is mandatory for all students. These courses are offered in all disciplines of engineering and technology for a period of 15 -20 hours by industry personal in current technologies by leading service and product industries. The students are encouraged to take online courses through NPTEL, SWAYAM and other Open Educational Resources portals, some of these courses can be used for academic credit transfer as per the choice of the student.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Some courses, like Vedic Mathematics Architectural Conservation and Historic Preservation, Cultural Implications on Building Design and Indian space Missions are institute incorporated mandatory courses on the essence of Indian traditional knowledge. Hindi is also language option provided to the students. The institution encourages the faculty to clear the doubts and ensure better understanding of concepts to the students in bilingual mode. Faculty have been encouraged to attend workshops by NPTEL on translation of Engineering and Technology courses to vernacular language. The

faculty have also published certain basic engineering topics in vernacular language. Activities such as debate, essay writing, elocution drama, dance etc are conducted on themes like communal harmony and human rights to develop humanitarian values. Apart from this, students are sensitised in universal human values during the student induction programme. The institution authorities permit the students to utilize their literary knowledge and culture to spread their love and affection. The Yoga Club at the campus offers yoga practice sessions for all interested students under the topic "Yoga for positive Health". Certified Yoga practitioners are available in the both genders of faculty to undertake these sessions. National and regional festivals are celebrated to inculcate constitutional and cultural values.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Most of the programmes are accredited by National Board of Accreditation (NBA), the process of OBE is followed diligently in our institution. The institution has taken steps to disseminate Program Outcomes (PO), Program Specific Outcomes (PSO), Program Educational outcomes (PEO) and Course Outcomes (CO) in our institutional website and also in the prominent places of all UG and PG departments. The institution at the programme level has been implementing OBE philosophy as per the guidelines given by the Internal Quality Assurance Cell of the institution. Faculty members assess the performance of the students as per OBE process given by IQAC. The institution has undertaking measures to support the implementation of the OBE. As per the set-up procedure, the implementation at the faculty level starts with the specification of the lesson plan. Lesson plans defines unit wise engagements as per weightage for evaluation and assessment. The units have been mapped to Cos While setting the question paper, care is taken to ensure unit wise coverage as per weightage and specification of COs and Bloom Taxonomy levels. Questions papers are subjected to moderation for verification of the above. Besides evaluation of students' performance, the marks awarded against various questions are tabulated against the COs for further analysis and establishment of CO/PO attainment. For individual level computation of attainment, regular in-house workshops are conducted for faculty and supported with excel implementation.

20.Distance education/online education:

For the past few years, especially during the pandemic and thereafter, imparting online education and being ever ready to switch from offline mode to online mode has become a routine for which 100 licence of webex platform has been obtained by the

institution. The institute participated extensively in MOOC's through NPTEL courses since 2016. Students and faculty are encouraged to complete various certification courses offered by SWAYAM, Coursera and other online educational platforms. Students are offered flexibility to complete two elective courses through NPTEL. The institute is recognised as a valuable local chapter with a rating of A, AA and AAA based on performance in online certifications during the years 2018 and 2019 respectively by NPTEL. Technology integration ideally should guide, expand and enhance objectives of learning. Curriculum integration with technology can take place only when technology as a tool is used to enhance learning in the content area. Effective integration of technology is achieved when students are able to select technology tools to help them obtain information in a timely manner, analyze and synthesize the information, and present it professionally. In line with the global shift towards use of technological tools for enhancing the Teaching- Learning process, various tools are presently used for imparting education in the ODL mode: 1) Collaborative tools like Google Forms/Google Docs/Google classrooms are used for information sharing and collection. 2) Use of social media to engage students: Use of online platforms like YouTube and Webex platforms to conduct classes and presentations. 3) Use of digital platform for delivery of home-based assignments for students. 4) Provision of delivery of specialized knowledge-based classes on important topics through social media and other related platforms. Use of Blended Learning: Blended learning mode provides ultimate flexibility in many aspects and is a lot more effective than conventional mode of learning. Some of the key areas where the institution has been constantly making efforts towards blended learning include: Increased student engagement in teaching learning process, by integrating curriculum with technology. Enhancing the teacher and student interaction. Improved student learning outcomes. Collection of student feedback and related information for rapidly analyse, review and improvise on stressed areas. Allowing students to learn at their own pace. Giving learning autonomy to students by use of e-learning materials/resources. Provision of home assignments for all students in order to support them in dedicating self-study hours towards completion of programme requirement. Conduct of Viva Voce Examinations for all research-based courses.

Extended Profile

1.Programme

1.1

19

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **4559**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **1056**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **8917**

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 **825**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **271**

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 19

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 4559

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1056

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 8917

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

3.1 825

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	271
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	271
Number of sanctioned posts for the year:	
4.Institution	
4.1	482
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	91
Total number of Classrooms and Seminar halls	
4.3	1729
Total number of computers on campus for academic purposes	
4.4	259384000
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.

The institution with a focus on imparting quality technical education follows Choice Based Credit System, which allows the students to register for the courses relevant to the local, national, regional and global needs. The curricula and syllabi developed by the departments aim to make engineering education more holistic, multidisciplinary and flexible in alignment with NEP 2020 for sustainable development. Learners' outcomes are

achieved through faculty enrichment, teaching pedagogy, use of ICT tools and infrastructure. The students can register for online courses offered by NPTEL Swayam, for enriching the learning outcomes. The open elective and online courses help the students for holistic understanding of engineering and problem solving with multidisciplinary approach. UG students can opt for specialization/minor courses in the emerging areas like AI, IoT, Robotics, Data Sciences, Cyber Security and 3D printing to improve their employability with additional 18 credits and for joint industry certifications. Higher weightage is given to the project-based learning, making the students in bringing out their innovation and creativity to problem solving, for example, Live in Lab to address the social problems in neighbourhood. Such innovative minds are helped to become entrepreneurs in alignment with the policies and initiatives of the Government of India.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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	View File

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

825

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	View File

1.2 - Academic Flexibility

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

113

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

19

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

Efforts are taken both through curriculum and co-curricular

activities to build values among the students to emerge as professionals with core values. B.E / B. Tech first year students attend induction programme in which ethics and human values are taught. Courses like Gender Perspective in Team Building and Leadership, Life Sciences, Life Skills and Personality Development, Leadership Excellence and Development are part of the curriculum connecting the future engineers with society. NCC, NSS and YRC are active in connecting students with the society through participation in Government schemes like Jal Shakthi Abhiyan, Unnat Bharat Abhiyan, Swachh Bharat and contribute for their development. The students are given sufficient inputs for treating the fellow human beings and members of other gender with dignity and respect. The Women Empowerment Cell and IEEE – Women in Engineering Affinity group conduct programmes on women empowerment. A course on Women Development and Empowerment is also offered. Universal Human Values (UHV) are offered as mandatory courses to all UG students. Courses like Environmental Science and Sustainability, Disaster Management, Renewable Energy, Solar Technology, Waste Management and Green Chemistry for Engineers are offered to bring awareness to use natural resources for sustainable development.

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	No File Uploaded

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

125

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

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

3293

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

3460

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://srec.ac.in/IQAC/resource/uploads/documents/AQAR_2023-2024/C-1/1.4.1/1.4.1_Stakeholders_Feedback_Report.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://srec.ac.in/IQAC/resource/uploads/documents/AQAR_2023-2024/C-1/1.4.2/1.4.2.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

1172

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)

427

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.

Students across the various programmes of study are assessed through continuous and summative evaluation throughout their learning period. Well performing students are identified on the basis of internal and end semester examinations, involvement in technical activities like presentations, Hackathons, mini projects etc.

Special Programmes for advanced learners:

- The academic Regulations permit advanced learners to register for one additional course in each semester completing the course requirements early to use the final year for industry / research projects.
- Advanced learners can earn additional credits through online courses like NPTEL and can transfer credits.
- The advanced learners get opportunities to register for 18 additional credits as Specializations/Minors leading to B.E degree with honours and also with joint industry certifications.

Special programmes for slow learners

- The academic regulations permit slow learners to drop up to two courses in the end semester examinations and get additional one year for completing the programme with First class.
- The students with their school education in the regional language are given additional training in English language through the Language labs.
- Remedial classes are conducted for the students who failed in the internal assessment tests to improve their performance in subsequent assessments.
- Bridge courses are conducted for Lateral Entry Students on Mathematics and English.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	4559	271

File Description	Documents
Upload any additional information	No File Uploaded

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:

Participative learning

- **Active Learning Method:** In each course the faculty members use different tools/methods like group discussion, Role play, Online skilling platforms, Simulation software to make the students involved in the learning process.
- **Self - Learning :** The faculty mentors motivate the students to learn online through online portals obtaining certifications.

Experiential learning

- **Projects:** the students are assigned with mini projects both in II and III year. The outcome is an innovation process / product for validation/Incubation and commercialization.
- **Internships / Inplant Training:** Internships and Inplant training are part of the curriculum with 2 credits for a period of 4 to 6 weeks which provide hands on experience and on the job learning.
- **Entrepreneurship Cell:** Students have entrepreneurial skills developed through the periodical entrepreneurship camps motivating them for startups and funding through MSME.
- **Live-in-Lab:** Part of the curriculum with 2 credits enabling the students to identify the societal problems of the neighborhood community for relevant solutions.

Experimental Learning

. During the programme, every student would undergo on average 14 laboratory courses. The experiments beyond syllabi in all lab courses enhances the hands on experience of the learners.

Problem solving methodologies:

The faculty inculcate problem solving methodologies and skills to the students through ICT enabled learning, case studies and tutorial sessions for analytical courses. Due weightage is added in assessment for students solving problems in hackathons and innovative competitions.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

ICT starts with students registering for the courses for the faculty of their choice every semester online, enabling them to opt for both course and faculty. Online teaching is conducted using licensed Webex platform along with tools like Google class room, Quizz, Mentimeter, Kahoot, Word Wall for teaching and learning. The courses on programming are taught using skilling ICT platform like skill rack. The software developed in house is used to conduct online internal assessment tests. The employability enhancement courses are conducted with a daily practice test on-line enabling practising and up skilling.

Learning Resources

The central library along with ELSEVIERSDand Springer Naturehas provided free access of text books. IEEE xplore digital library, EBSCO Database, the electronic resource packages like DELNET, NPTEL, Swayam Prabha and Digital Library are available.

Academic Management System:

Academic Management System is a tool for faculty, students and administrators to assist in the process of college admissions and post admission. The online-platform manages the courses registration, student attendance and internal assessment marks.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://srec.ac.in/themes/frontend/document/igac/ICT%20Enabled%20Tools.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

226

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 annual academic calendar is prepared for the complete academic year in consultation with the Heads of the Departments. The academic calendar includes the schedule of reopening, continuous assessment, last working day, end semester examination schedule and vacation slots semester wise.

Teaching Plan:

- Each faculty has to prepare a detailed lesson plan with course objectives, course outcomes and programme outcomes. The Lesson Delivery Plan would include the Content beyond Syllabus to be taught for that course.

Timetable

- The timetable is planned well in advance before the commencement of classes for each semester. The timetable is prepared such that for every 1 credit of theory and tutorial 1 hour per week and for practical classes 2 hours per week for 1 credit.

Tutorials

- Four Credit courses are planned to include one additional hour for subjects of highly analytical in nature, with the objective to increase problem solving capabilities, analytical thinking and logical ability.

Practical Sessions

Students are expected to come prepared for pre lab viva-voce for that particular experiment and tested with post lab viva questions after completing the experiment. Innovative experiments are added

in the laboratory sessions to ensure better understanding of the concept.

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

271

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

132

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	View File

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

2553

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

23

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

Examination Management System - Process

Impact

CIA marks

Speedy display with monitoring

Online issue of Examination Application

Expeditious processing of fees payments.

Online course registration

Students can register for the courses and the faculty both of their choice

End semester examination and valuation

Precise scheduling, question paper status and valuation planning

Examination Galley

Course wise strength with the date and session of examination finalizing halls / invigilators

SREC student App

Hall and seat number for each examination

Valuation mark entry and dummy number

Valuation allotment, Revaluation and Photocopy of answer script

Result Publication including revaluation

Students will be able to view the results through website and mobile app.

Reports

Pass percentage and Consolidated Statement after moderation

Eligible candidates for award of degree

Name list with CGPA and classifications

Continuous Internal Assessment

After every internal assessment test the attendance and marks are entered into the software. Course wise attendance is calculated

for every semester and students failing to earn the requisite attendance cannot appear for the end semester examination of that course. The internal assessment marks earned by student is posted in the examination system by the course instructor with the approval of the Head of the Department and the Principal.

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

Program Outcomes, Program Specific Outcomes and Course Outcomes for all the programs along with the curricula and syllabi are displayed in the Institute website for ready reference. Students, Faculty members and all stakeholders can access the complete details of POs, PSOs and COs for all programmes offered by the institution in the Institute website. Program Outcomes (POs) are consistent with the Graduate Attributes defined by NBA and Program Specific Outcomes (PSOs) are specific and relevant to that particular program. 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.

The PEOs, POs and PSOs are disseminated through -

1. College web site : www.srec.ac.in
2. Curriculum and Syllabi book
3. Display boards in Departments and laboratories
4. Laboratory manuals
5. Class room display boards
6. Department News letters
7. Event Brochures

The Course Outcomes are printed in the Syllabus books.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

Attainment of CO:

The attainment of CO is calculated using the marks scored by the students using direct and indirect assessment methods. Each CO attainment is calculated by every course coordinator which is approved in the Programme Assessment Committee.

- For theory courses, the periodical test marks, end semester examination, assignments and innovative practices are considered. The course instructor needs to map questions to specific COs in the Assessment-CO matrix.
- For practical course, the assessment tool is based on continuous assessment of every experiment. The experiments completed by the students are evaluated based on their knowledge in designing, conducting and analyzing the results.

Attainment of POs and PSOs:

The POs and PSOs attainments are evaluated through direct & indirect measures.

- For direct attainment, all POs are adequately addressed through the selection of courses and their COs. Target levels of attainment are set for POs and PSOs.

The indirect methods considered for are co-curricular, extra-curricular activities, program exit survey, alumni survey and employer survey. The survey questionnaires are given in scale of scores ranging from 1 to 5 and they are mapped to POs and PSOs. The average score of the questionnaires are calculated as indirect attainment for POs and PSOs.

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

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

1138

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	Nil

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://srec.ac.in/igac/resource/uploads/documents/AQAR_2023-2024/C-2/2.7/SSS.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

The institution continuously upgrades its research facilities, adding capabilities in recycling aluminum alloys, 3D printing, Industry 4.0, Smart Manufacturing, AI, Embedded AI, Electric Vehicles, AR/VR, Cybersecurity, and IoT. The nanotechnology department fosters multidisciplinary research with advanced facilities for characterization and synthesis.

- Research promotion policies are regularly updated. Full-time

Ph.D. researchers receive an annual fellowship of INR 2.6 lakhs with a contingency grant of INR 20,000, while postdoctoral fellows are awarded INR 30,000 monthly and INR 40,000 annually for contingencies. Funding supports research mobility, faculty exchanges, and international conferences to a tune of INR 78.09 Lakhs.

- Faculty publishing in Q1-Q4 journals earn up to INR 5,000 per impact factor, and top contributors are recognized for high citations, cumulative impact factors, patents, and breakthroughs in citation or h-index records. Departments are rewarded for maximum average publications, highest external funding, and top indexed publication performance.

- Supervisors with impactful work are honored annually. Financial support is provided to 20 students annually, with up to INR 25,000 per student for exchanges with premier institutions, totaling INR 5 lakhs from 2023-24. Seed funding of INR 2 lakhs per proposal enhances research projects. These initiatives drive innovation, academic excellence, and global collaborations while nurturing talent across disciplines.

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://srec.ac.in/themes/frontend/document/policy.pdf
Any additional information	View File

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)

29.84

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	No File Uploaded

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

10

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)

97.34

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	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

20

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

61

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

8

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
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 actively supports innovation, research, entrepreneurship, community engagement, and incubation ecosystems.

- The Collaborative Innovation Centre (SREC-CoIN) has received a top star rating from the Ministry of Education's Innovation Council. Led by an industry-experienced senior member and

supported by 26 Innovation Ambassadors and 7 student ambassadors, the center promotes research and innovation through seed funding, PoC development, hackathon travel grants, and AICTE-Idea Lab support.

- IP-cell enhances intellectual property rights with institutional funding.
- The institution hosts 12 recognized research centers with 164 scholars and postdoctoral fellows, while industry-backed Centers of Excellence in advance multidisciplinary research.
- The AICTE-funded Entrepreneurship Development Cell organizes awareness camps and commercialization courses.
- The LIVE-IN LAB program integrates rural-focused projects into the curriculum, driving impactful community solutions.
- A 12,000 sq. ft. incubation center supports 13 startups funded by MSMEs and Start-up TN. Rs.2.25 lakhs grant was received from Ministry of Education to mentor five colleges and Rs.5 lakhs for Yukthi Innovation Challenge to convert product to startup.
- Rs.16 lakh was funded for The IDE Bootcamp (Phase II), by AICTE and MIC.
- Ideaathon 2.0 fosters problem-solving and creativity in ATL-adopted schools, nurturing the next generation of innovators.

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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

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

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	No File Uploaded

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

142

File Description	Documents
URL to the research page on HEI website	https://srec.ac.in/rd/supervisor
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

942

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

350

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

4149

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

46

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)

32.38

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	No File Uploaded

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

97.96

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	No File Uploaded

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 institution has three NSS units and a Youth Red Cross Society that collaborate with NGOs and hospitals to promote community service and holistic development among students.

- NSS has conducted impactful initiatives, including career

guidance for 1,700 students and skill development programs. Through UNNAT BHARAT ABHIYAN (UBA), five adopted villages benefited from projects focused on education, healthcare, and sustainable livelihoods, impacting 1,000 villagers, including tribal communities. NSS, along with YRC and UYIR Club, organized road safety campaigns, organ donation drives, fire safety workshops, and Chennai flood relief efforts. Environmental initiatives like tree plantations, Swachh Bharat campaigns, and drug awareness programs also took place. Voter awareness and World Water Day human chains promoted active citizenship, with NSS volunteers earning Anna University Best Volunteer Awards for exceptional service.

- In NCC, a third-year Electronics and Communication Engineering cadet was recommended for the rank of Lieutenant in the Indian Army, while a Computer Science Engineering cadet represented the contingent at the Thal Sainik Camp in New Delhi.
- The IEEE, Women in Engineering, and Women Empowerment Cell organized the Women in Technology (WiT) series to empower women students with knowledge of emerging technologies. Cybersecurity workshops were conducted for students, and a special CSR session was held for government school students. International Women's Day was celebrated, promoting inclusivity on campus.

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

118

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)

97

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

3405

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

1727

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

46

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 Institution has adequate infrastructure and physical facilities for an effective teaching learning process in compliance with norms stipulated by AICTE. The facilities comprise 11 seminar halls furnished with screens, LCD projectors as well as 77 well-ventilated classrooms and halls exclusively for conducting tutorial sessions.

Every department has adequate laboratories of current trends established as per AICTE requirements and as per current regulations and syllabi. The advanced laboratories in current trends have been established through management funding and Government funding agencies like DST - TDP, the Ministry of Mines.

The departments are situated in separate blocks with Adequate Drawing Hall facilities. Every department maintains department library. The institution has a common seminar hall and Auditorium with a seating capacity of 1500 with LED Walls.

Multiple Halls are available for the students to conduct Group discussions, practice Communication skills and Placement Training.

This year, laboratories were upgraded to the tune of INR 1.07 crore and Centres of Excellence worth INR 99.37 Lakhs were established.

S1.No

Name of the Centre of Excellence

Total Cost in INR

1

Centre of Excellence in

Cyber Security

31 Lakhs

2

Centre of Excellence

on AR/VR

43.97 Lakhs

3

Centre of Excellence for E Mobility

24.4 Lakhs

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

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, games and gymnasium

The institution has excellent facilities for games, sports, yoga and cultural activities.

The list of facilities along with the area are presented below:

S.No

Description

Quantity

Area in Sq.Mts

1.

Athletics 400 mts track with facilities for field events football & cricket field

1 No

20900 sq.m

2.

Basketball court concrete

2 No

640 sq.m

3.

Cricket nets

1 No

400 sq.m

4.

Handball court

1 No

1200 sq.m

5.

Volley Ball Court

1 No

2108 sq.m

6.

Ball badminton

2 No

2310 sq.m

7.

Kabaddi

2 No

476 Sq.m

8.

Ball badminton court Ladies hostel

1 No

450 sq.m

9.

Ball badminton court Men's hostel

1 No

450 sq.m

10.

Volleyball court Ladies hostel

1 No

225 sq.m

11.

Volleyball court men's hostel

1 No

225 sq.m

Cultural Activities

The institution is keen to develop the fine arts of the students by identifying their talents. An auditorium with a seating capacity of 1500 mounted with LED walls is available for the conduct of cultural programmes and other extracurricular activities. The events common to all the students across the departments like Tamil Mandram, English Literary Society, Fine Arts Club, etc., are conducted in the auditorium.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	View File
Paste link for additional information	Nil

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)

1159.32

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)

The Library is partially automated using PALPAP-Insproplus software. It is fully barcoded and integrated with multi-user software on web based platform. Library functions such as Circulation (Issue, Return and Renewal) and Online Gate Entries are automated using this software. The Online Public Access Catalogue (OPAC) is accessible at three locations: the Return Counter, Journals Section, and Reference Section. OPAC provides information on the availability of books, the status of Issued, Borrower details, overdue charges etc.

The Ambience of Library

Total Area of Library : 2349 Sq.Mts

Seating Capacity : 285

Working Hours

Working Days (Monday to Friday) : 8.30 AM to 6.30 PM

Saturdays : 8.30 AM to 5.30 PM

Sunday : 9.00 AM to 3.30 PM

Library will be closed on all public holidays

Number of Library Staff : 8

Library Staff with Degree : 6

Digital Library

A well-equipped digital library is operational with 30 Computers. All the subscribed e-resources, including e-journals, e-books and e-databases are accessible both IP based and remote access through the following links: <http://idp.srec.ac.in>, <http://srec.knimbus.com>. Additionally, Book CDs, Student Project Reports CDs and Question paper with answer keys can be accessed through the DSpace link <https://172.16.4.251:8080/jspui/>

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

4.2.2 - Institution has access to the following: A. Any 4 or more of the above
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

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)

63.66

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
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

1578

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

Institutional IT Policy and Budget Allocation

The Institution has a comprehensive Information Technology (IT) Policy that encompasses key aspects such as Wi-Fi infrastructure, cyber security and IT resource management.

Key Features of the IT Policy:

1. Wi-Fi Infrastructure:

- **Wi-Fi Hotspots:** Dedicated Wi-Fi hotspots are deployed across the campus for seamless connectivity.
- **Hostel Connectivity:** The hostels are equipped with 230 Wi-Fi access points, enabling students to access learning resources, complete online assessments, engage in blended learning.

2. Cyber Security

- The institution has a Cyber Security Centre of Excellence, composed of faculty from the Departments of Computer Science & Engineering and Information Technology.
- Network security is enforced through a dedicated hardware firewall (SOPHOS XGS4300) and a private Local Area Network (LAN).
- The institution maintains a 3Gbps Internet Leased Link (ILL) from multiple providers to ensure consistent and high-speed internet connectivity.

3. E-waste Management

The institution has a structured e-waste disposal policy, collaborating with a Tamil Nadu government-certified agency (M/s. Techazar E-Cyclers Pvt Ltd) to recycle non-degradable electronic waste collected annually.

4. CCTV and LED Display

- Comprehensive CCTV surveillance ensures the safety and security of the campus and hostel premises.
- A dedicated LED display board is used to communicate

important campus events and updates.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4559	1729

File Description	Documents
Upload any additional information	View File

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:

D. Any one of the above

Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	No File Uploaded

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)

1345.78

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.

Classrooms

- For the classrooms allotment a timetable is followed ensuring the best optimal utilization.
- The LCD projectors are annually serviced during the vacation period by an approved vendor coordinated by a faculty.

Computers

The institution has an exclusive Computer Maintenance Cell that ensures continuous and optimal working condition of the computer.

Laboratory

The life span of equipment in laboratories is prolonged and the data collected within laboratory is reliable under two schemes

1. Annual maintenance contract for sensitive equipment
2. On call maintenance for other equipment.

Library

The monthly magazines and journals of the central library are compiled as back volumes and are made available for reference. Annual stock verification of books in library is carried out successively.

Sports

Basic maintenance on sports grounds is done like trash removal,

spot cleaning and sweeping, removal of weeds, etc for a long-term usage. The sports grounds are utilized everyday till 6.30PM.

Supporting system

All the support facilities like classroom and all others halls are maintained by housekeeping staff under the supervision of Estate Officer on daily basis. The carpentry and plumbing work maintenance are supervised under the Civil Engineer. All the electrical complaint is taken care of by the Electrical Department in-charge.

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

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

1675

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

540

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://srec.ac.in/events
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

4794

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

617

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

84

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

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

38

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

130

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

Academic Council:

Academic Council meets twice in a year and represented by four students from different branches of study. The feedbacks are recorded for further action.

Library Advisory Committee:

Students in the Committee represented by class representatives of all classes. They register their grievances and submit request through HoD for purchase of books, journals and e-resources.

Grievance Redressal Committee:

The committee has a student member chaired by the Principal. All grievances represented are addressed.

Anti-ragging committee:

As per UGC recommendations, students are also members of anti-ragging committee.

Class Committee:

All programmes have class committees that has student members representing meritorious as well as weak students. The feedback and suggestions are recorded with minutes and conducted twice in a semester.

Department Advisory Committee:

DAC has stakeholders - faculty, students, parents and members from academia and industries and is conducted annually. The feedback and suggestions are recorded with minutes.

Student Affairs Cell:

Student affairs cell is to guide, foster and nurture the students for their academics and career development.

Hostel Administration:

Hostel inmates administer the functioning of hostel and take-up the responsibilities to maintain cleanliness, zero food-waste, food quality.

The students Anti-Drug committee and Internal Compliance Committee to express their grievances.

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

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

91

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

Alumni Association was established in 1998 and is a registered society with the appropriate byelaws. The SREC Alumni Association (SRECAA) has got chapters in India at Chennai and Bangalore apart from the parent chapter in Coimbatore, four overseas chapters in USA, Australia, Singapore and Europe. The Association has 22095 registered members.

The SRECAA conducts all Annual Chapter Meets, Annual General Body Meeting and Batch Reunion (batches meet after 15 years of graduation) with the fixed calendar.

Financial support

1. Every batch of alumni institute an endowment to meritorious students in-need
2. Different batches of alumni institute endowments in the memories of their deceased classmates to support the needy.
3. Seed Endowment Fund for a specified cause to support students

Alumni serve as members in committees like Department Advisory Committee, Industry Advisory Board, Programme Alumni Interactive Cell and Board of Studies, also act as resource persons for Guest Lectures, One Credit Courses.

Alumni offers Mentorship for aspiring to be entrepreneurs and to participate in Hackathons, Competitions and also conduct Mock Interviews.

SRECAA conduct Annual Sports for the Alumni-Trophy.

Institution supports alumni by offering Concession for their

Family Members in hospital managed by trust and Fee Concession for Siblings/wards in institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.srecalumni.org.in/

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 governance of the institution along with the endowed team of members including the Management, Principal, Faculty, Parents and Students participates in various roles in enduring the functioning of the institution to achieve the vision and mission of the institution.

Governing council being the highest body of the institution which is chaired by the Managing trustee to lead the institution, by overseeing the various functions of the institution guided by the Board of Management. Constitutional bodies such as Academic Council, Board of Studies, Planning and monitoring board, Finance Committee, Internal Complaint Committee, Research and Ethical Committee and Internal Quality Assurance Cell are formed according to the guidelines, led by the Principal for monitoring and effective functioning of institution through regular meetings. Heads of the departments along with members of faculty are assigned with responsibilities in various statutory bodies in planning and implementation guided by the Principal.

The Internal Quality Assurance Cell formulates the Academic and Administrative strategic/perspective plans of the institution, monitored and implemented with the help of Director and members of IQAC under the guidance of the Principal as Chairperson.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://srec.ac.in/aboutus/#mission_vision

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

Effective leadership is showcased in bestowing various powers and responsibilities for effective functioning of the institution through decentralization and participative management

Decentralization

The Principal has been bestowed with financial power by Governing Council to sanction an amount of INR. 50,000 in cash per month and authorizing a cheque worth of INR. 4,00,000.

The Heads of the departments has been authorised of financial freedom up to INR.20,000 per month to be utilized for Purchase of consumables, maintenance and for supporting faculty members financially to attend seminars, workshops, conferences and obtaining memberships in Professional bodies.

Participative Management

Heads of the Departments and senior faculty members in the institution along with the academic/research and administration responsibilities also represent as convenors of various constitutional bodies of the institution with guidance by the Principal. The faculty of the institution also been given with additional responsibilities to represent in various statutory bodies such as Grievance redressal, Anti-Ragging, Disciplinary committee, Women Empowerment etc, along with the convenors and Principal in planning and implementation of the various activities in the institution.

The involvement and participation of the faculty members in activities will increase the quality of the institution towards the vested responsibilities, accountability and best outcomes.

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	https://srec.ac.in/aboutus/igac

6.2 - Strategy Development and Deployment

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

Strategic plan in Sri Ramakrishna Engineering College outlines Strategic goals, Action-plan and Target/Benchmark to enhance quality and efficiency. It aligns with National Assessment and Accreditation Council (NAAC) standards and integrates principles of National Education Policy (NEP) to foster innovation and excellence in education. The Objectives are,

1. Curriculum Reforms
2. Teaching & Learning
3. Industry Connect
4. Research & Innovation
5. Student Progression
6. Staff Progression
7. Social Responsibility Initiatives
8. Alumni Engagement
9. Infrastructure & Facilities
10. Governance

SUCCESSFULLY IMPLEMENTED

- Institution provides financial supports faculty and students to attend and present research papers in conferences conducted in International forums.

- Research Scholars and Post-Doctoral Researcher has been provided with monthly institutional Research fellowship to full time scholars and these are transformed to government fellowship like DST WMT, DST TDP, CSIR-SRF and UGC-SJSGC.
- The incentive will be sanctioned based on Journal Impact Factor Quartile (JIF: Q1, Q2, Q3 and Q4 by Web of Science)
- For Q1 journals JIF multiplied by Rs.5000/-, Q2 by Rs.3000/-, Q3 by Rs.2000/- and Q4 by Rs.1000/-
- An incentive of 10% is paid to investigators of projects awarded from Government funding agencies and incentive upto 20% of revenue generated through consultancy project to teaching faculty and 1% for non-teaching faculty.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://srec.ac.in/aboutus/igac
Upload any additional information	No File Uploaded

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.

The Organogram of the institute comprises of the Management, Principal, Vice Principal, Controller of Examination (CoE), Director-IQAC and Heads of the departments. The chairman of the Governing council is the Managing Trustee of the Institution. The Principal is the Administrative Head of the Institute.

The academic and administrative bodies are quite effective and have formulated policies for appointment of the teaching and non-teaching faculty, administrative and support staff. The service rules have been unambiguously framed covering the norms for career advancement, promotion and leave rules with individual copies provided to all the faculty members.

The appointment of any teaching faculty is based on the norms of the apex bodies both in terms of the qualifications and number of positions. A selection committee constituted with the external expert conducts the interview for the candidates shortlisted after the screening test and selected based on the merit. All the candidates go through annual appraisals. The promotion of the faculty is based on the vacancy position as per norms of the cadre ratio.

The Administrative setup of the college has the Accounts section, Establishment section headed by a selection grade assistant. Student section headed by a senior grade assistant, inward and dispatch section.

File Description	Documents
Paste link to Organogram on the institution webpage	https://srec.ac.in/aboutus/igac
Upload any additional information	View File
Paste link for additional Information	https://srec.ac.in/aboutus/igac

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

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	View File

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

The institution has welfare measures and schemes both for teaching and non-teaching faculty with following statutory benefits.

- Provident Fund contributions by the Employee and an equal contribution by the Employer.
- Casual Leave, Medical leave and Maternity leave with pay for 2 children.
- Earned leave with option for accumulation and encashment.
- Group Insurance
- Gratuity on relieving from the service after completing 5 years of continuous service.

Other Welfare Measures

- Rural health centre with 24 hour ambulance is available with residential doctor and paramedical staff.
- Assistance for personal loan through the salary account is provided.
- Management provides concession in Admission fees for the wards of the faculty members across all the sister Institutions.
- Medical Concession has been provided for the faculty members in Sri Ramakrishna Hospitals, Coimbatore.

Incentives as welfare

- An incentive of 10% is paid to the investigators of the projects awarded from Government funding agencies and incentive up to 20% for consultancy project to teaching faculty and 1% for non-teaching faculty.

Career development and progression

A transparent policy is available ensuring career development and progression. The teaching faculty and non-teaching faculty are encouraged for qualification improvement by providing sponsorship for attending conferences, workshops and to develop prototype through SEED fund.

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

85

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

40

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.)

206

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

Financial planning and Management ensures the consistency in the development of institution and also it supports the strategic growth of the institution. Financial planning is done well in the institute by the various academic and administrative committees. The optimal utilization of the budget is monitored through internal and external audits.

The internal and external audits are in practice in the institution. The external audit is an annual audit. The audited statements of accounts are presented to the finance committee and the Governing Council.

For any funding/ grant-in-aid received from the Government funding agencies, individual bank accounts are opened by the respective

investigators of the projects. Such accounts are also subjected to internal audit and during completion of the project, audited by an external auditor for submission of the utilization certificates to the respective agencies.

File Description	Documents
Upload any additional information	View File
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)

15.28

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	View File

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

Funds Mobilization

The major revenue mobilization for institution is through tuition fees paid by students. The students also receive scholarships from State Government under different categories like First Graduate scholarship, Backward community scholarship, SC/ST scholarship.

This revenue from student are usually generated during the beginning of academic year. The students pay examination fee for end semester examinations and all examinations related expenditure like honorarium for question paper setting, invigilation, evaluation, result passing board and scrutiny are met from this revenue collected.

Utilization of funds

The Departments in the institution will propose annual budget for every academic year. A finance committee is constituted in every

department led by Head of the department, and faculty as members. The committee will plan the budget under different heads such as Equipment for Laboratories, Consumables, Equipment maintenance, AMC-Expenses, organizing Conferences/Seminars (Association Inaugural/Valedictory, Workshops/Seminars/Guest-Lectures, and Technical-Symposium), Research & Development and General Expenses. The budget proposed will be submitted to Principal for approval. At end of the year, departments will prepare a utilization statement based on approved budget. The utilization is presented to finance committee and Governing Council, if any deviations found, justification will be made by departments to members of Finance committee and Governing Council.

File Description	Documents
Upload any additional information	View File
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)

The IQAC of the institution is taking lot of initiatives for institutionalizing the quality assurance strategies for the uniformly visible incremental improvement across all the departments.

Practice I

Orientation programme for teachers

All the faculty members recruited will go through a 20 hours orientation and induction programme covering the different aspects of quality. The programme focuses on the topics such as Structure and role of IQAC in ensuring the quality, System of Autonomy, Academic regulation, Development of curricula and syllabi, Teaching learning process and Outcome Based Education, the Process and Procedures of the National Board of Accreditation (NBA) and NAAC.

Practice II

Academic and Administrative Audit

The academic audit is conducted by Internal Quality Assurance Cell (IQAC) annually with external academic auditors appointed by the Principal. The office of IQAC shall prepare the standard formats to be filled in by the respective Departments and the reports shall be presented to the external academic auditors. The external auditors shall submit the final audit report and suggestions for further improvement. The reports will be forwarded to the heads of the departments for action plan and execution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://srec.ac.in/aboutus/iqac

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 IQAC reviews, the teaching learning process, methodologies and learning outcomes at periodical intervals through IQAC.

Teaching Learning Process and Learning Outcomes

In order to enhance the teaching learning and its outcomes, the following are some of the regular audits performed by IQAC throughout the year.

1. Course file (Lesson delivery plan, Class log after completion of courses) - After the completion of every semester
2. Question paper and Answer key scrutiny - End of every semester
3. Answer Script books - End of every semester
4. Laboratory records - End of the every semester
5. Surprise Audit for course file - Beginning of every semester
6. Academic Audit- Every year
7. ISO Audit- Every year

Training on AI tools as a Teaching AID

IQAC has organized One day Capacity Building Workshop for the faculty members of the Institution on "Digital Transformation in Higher Education: AI and the way forward". The workshop aims to provide the different technological perspectives with respect to digital transformation in the field of teaching and learning. The usage of AI tools to enhance the teaching methodologies and the assessment patterns to help the faculty to improve their skills and explore the possibilities of new technologies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://srec.ac.in/aboutus/iqac

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 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)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://srec.ac.in/aboutus/iqac
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

The institution has 271 teaching faculty comprising 54% of women (146 female and 125 male) and 172 non-teaching, that includes 54 %

(94 women) and more than 50% of women faculty functioning as heads of various departments. Out of 4559 students, 1482 are women students.

The institution is committed to promoting gender equity and empowering women through dedicated initiatives organized by the Women Empowerment Cell (WEC)/Internal Complaint Committee (ICC). Various programs were conducted to foster self-reliance, equity, and professional growth. As part of curriculum enrichment, courses like "20IT218 - Women Development and Empowerment" emphasized key aspects of women's empowerment.

Awareness sessions such as "Cyber Crime Against Women," led by cybercrime inspectors and professionals, educated first-year students on digital safety and security. The WiT Series events, conducted by distinguished women alumni, covered diverse technical and professional domains

The girl students are given equal responsibilities and recognition in classroom activities and co-curricular/extra-curricular activities.

- Technical Associations, Clubs, Sports and Professional Society Chapters have girls as Executive Committee.
- NSS women volunteer and NCC cadets.
- Overall Best Outgoing Girl Student as well as Boy Student is awarded.

The campus supports like a Common room for girls and the facilities of CCTV Cameras wherever appropriate.

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

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	No File Uploaded

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)

The institution ensures the proper management of both degradable and non-degradable wastes.

Solid Waste Management

The solid waste generated in the campus is of two types - bio degradable and non-bio degradable. The wastes like stationary, files etc are periodically given to the external agencies for recycling.

Liquid Waste Management

Sewage treatment plant is functioning with the capacity of 1.2 million litres/day for treating the water from all the blocks in the campus including the hostels. The treated water is distributed through multiple outlets and used for maintenance of lawns and garden. The treated water is periodically tested to ensure that it does not contain any hazardous chemicals.

Biomedical Waste Management

There is no biomedical waste generated in the campus.

E-Waste Management

The institution has a policy of disposing the Electronic waste through a Certified Agency of Tamil Nadu Government Pollution Control Board.

Hazardous Chemicals Waste Management

A Material Safety Data Sheet (MSDS) is maintained in all the laboratories wherever hazardous chemicals are in use. The standard procedures are followed. No radioactive materials are used in the laboratory.

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:

A. Any 4 or All of the above

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

A. Any 4 or all of the above

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

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	View File

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 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.

B. Any 3 of the above

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 takes efforts in providing inclusive environment for students and faculty. Social Outreach programmes such as career guidance, linguistic, science awareness, health awareness, Swachh Bharat activities, etc. are conducted through Naan Mudhalvan scheme of Government of Tamilnadu/Social Development Club/Science Club/Outreach Club / NSS for the neighbourhood. The Road safety and awareness rally programs are conducted through Uyir Club. Social awareness are inculcated through NSS Orientation Programme and NSS Special Camp.

The various clubs in the campus like Fine Arts club conducted cultural programmes in the name of swagatham and Elatio, Tamil mandram organized events such as kovai vizha, yaali and Kural edu Kural kodu.

The students from the cultural, regional, linguistic, communal, socio-economic background are from different part of the state. There are students from countries like Nepal through Foreign Nations and CIWGC. The diversity takes efforts in providing inclusive environment for various cultural and regionals students. The cultural programmes by fine arts club are of diverse nature classical/folk/drama in different languages depicting the different cultures of the regions.

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:

All the departments of the institution involve into programmes to sensitize both the students and faculty to the constitutional obligations of every citizen. Our institution has NCC Unit that conducts special training programmes to the cadets. NCC cadets have participated in Republic day parade/Training Camps and few joined as officers in Indian Army/Navy/Air Force. In view of celebration of 75 years of Indian Independence, "Azadi ka Amrit Mahotsav" competitions were organised for government school students. A campaign on aware of dangers involved in drug consumption. "Samvidhan Diwas" Constitution Day was celebrated to commemorate the adoption of the constitution of India.

The societal problems are taken and solved using technology to improve quality of life through UHV, UBA schemes and Live in Labs incorporated in curriculum.

The small student groups work on imparting human values and ethics amongst their peers, helping others, hygiene and environment protection. Each group is given the responsibility to one activity and one zone in the college making them responsible towards their duties and rights as responsible citizens. The students graduating from the institution with these constitutional obligations inculcated give back to the society as social entrepreneurs/ members of NGOs/ corporate social responsibility team in their organizations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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 organizes professional ethics programmes for students, teachers, administrators and other

A. All of the above

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	No File Uploaded

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

The institution organizes National and International commemorative days and celebrates national and international festivals. A few such commemorative days and festivals celebrated are presented below

The International Women's Day is celebrated on 8th of March 2024 by inviting women from different walks of life to motivate both students and faculty to be successful both in their profession and also in their personal life.

The International Yoga Day is celebrated every year. National Science Day and International Day of Mathematics was celebrated during on March 2024. International Human Solidarity Day on 19th August 2023 was celebrated by NSS along with Uyir NGO Club. Wild Life Week Celebration - Conservation of Nature was conducted by the NSS Club along with Social Development Club of the Institution. World Forestry day, World water day, World Heritage day, International Mother language day, National Pollution day, National Unity Day, World Environment Day, and English Language Day are also celebrated through NSS and Social Clubs of various departments.

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

PRACTICE I

1. Title of the Practice: Research and Problem Solving with Interdisciplinary Approach

Evidence of Inter -Institute Success

I. Collaborative Government Funding Research Projects

II. Industrial Consultancy through Competency Group

II. SEED Grant from Institution

IV. Institute-Industry Research Work

V. Memorandum of Understanding (MoU)

VI. Research Outcomes of Interdisciplinary Approaches

i. Publications

ii. Publication categories

ii. Cumulative Impact Factor

ii. Patents and Copyright:

6. Problems encountered and resources requirement

PRACTICE II

1. Title of the Practice: Institutional Social Responsibility (ISR)

2. Evidence of Success

- Six Projects were implemented in their respective villages.
- MoU signed between SREC and Government ITI, Coimbatore.
- SREC-CoIN supports in developing products useful for society.
- SREC-COIN Mentor- Mentee Schemes
- Seven day NSS Special Camp
- Medical camps and Blood Donation camps

File Description	Documents
Best practices in the Institutional website	https://srec.ac.in/aboutus/disclosures
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)

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

The Institutional Distinctiveness is the strong Industry-Institute Interface connect.

1. Curriculum Enrichment and syllabi development

- One credit courses offered across all departments with contents developed by industry.
- Specialization/minor courses offered with Industrial partners leading to 20 additional credits & certifications.

S. No

Specialization/

Minor

Collaborating Industry

Beneficiaries

1.

Cyber Security

L&T Technology Services, Bengaluru

15

2.

Sensor Technology

Healthcare Technology Innovation Centre, IIT Madras, Chennai

15

3.

IoT

Bootlabs, Bengaluru.

24

4.

Green Technology

GRIHA, New Delhi

09

5.

Robotics

Wipro PARI, Bengaluru.

03

6.

Electric vehicles

Mahindra Technical Academy, Chennai

26

7.

Data Science

Revealer Global Solutions, Bengaluru.

02

8.

AI / ML

Robert Bosch, Coimbatore.

38

9.

AR / VR

Zeuron.AI

06

10

Intelligent Systems

RBG.AI

02

11

Drone Technology

Garuda Aerospace

15

2. Centres of Excellence along with Industries

- Centre of Excellence in AR/VR with Zeuron.ai
- Centre of Excellence in Cyber Security
- Centre of Excellence in Pneumatics with M/s SMC Corporation (India) Pvt. Ltd.

3. Innovation Ecosystem through Collaborative Innovation Cell (CoIN) & MHRD recognized Institution Innovation Council (IIC).

4. Interdisciplinary Research & Industry Consultancy

5. Industrial members in various academic and administrative committees

OUTCOME OF INDUSTRY CONNECT

- Internal revenue generation.
- Exposure to industry practices.
- Winners in Hackathons conducted by industries
- Internship opportunities.
- Staying current with technological development.

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.

The institution with a focus on imparting quality technical education follows Choice Based Credit System, which allows the students to register for the courses relevant to the local, national, regional and global needs. The curricula and syllabi developed by the departments aim to make engineering education more holistic, multidisciplinary and flexible in alignment with NEP 2020 for sustainable development. Learners' outcomes are achieved through faculty enrichment, teaching pedagogy, use of ICT tools and infrastructure. The students can register for online courses offered by NPTEL Swayam, for enriching the learning outcomes. The open elective and online courses help the students for holistic understanding of engineering and problem solving with multidisciplinary approach. UG students can opt for specialization/minor courses in the emerging areas like AI, IoT, Robotics, Data Sciences, Cyber Security and 3D printing to improve their employability with additional 18 credits and for joint industry certifications. Higher weightage is given to the project-based learning, making the students in bringing out their innovation and creativity to problem solving, for example, Live in Lab to address the social problems in neighbourhood. Such innovative minds are helped to become entrepreneurs in alignment with the policies and initiatives of the Government of India.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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	View File

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

825

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	View File

1.2 - Academic Flexibility

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

113

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

19

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

Efforts are taken both through curriculum and co-curricular activities to build values among the students to emerge as professionals with core values. B.E / B. Tech first year students attend induction programme in which ethics and human values are taught. Courses like Gender Perspective in Team Building and Leadership, Life Sciences, Life Skills and Personality Development, Leadership Excellence and Development are part of the curriculum connecting the future engineers with society. NCC, NSS and YRC are active in connecting students with the society through participation in Government schemes like Jal Shakthi Abhiyan, Unnat Bharat Abhiyan, Swachh Bharat and contribute for their development. The students are given sufficient inputs for treating the fellow human beings and members of other gender with dignity and respect. The Women Empowerment Cell and IEEE - Women in Engineering Affinity group conduct programmes on women empowerment. A course on Women Development and Empowerment is also offered. Universal Human Values (UHV) are offered as mandatory courses to all UG students. Courses like Environmental Science and Sustainability, Disaster Management, Renewable Energy, Solar Technology, Waste Management and Green Chemistry for Engineers are offered to bring awareness to use natural resources for sustainable development.

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	No File Uploaded

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

125

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

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

3293

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

3460

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

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
File Description	Documents
Provide the URL for stakeholders' feedback report	https://srec.ac.in/IQAC/resource/uploads/documents/AQAR_2023-2024/C-1/1.4.1/1.4.1_Stakeholders_Feedback_Report.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://srec.ac.in/IQAC/resource/uploads/documents/AQAR_2023-2024/C-1/1.4.2/1.4.2.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	
1172	
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)

427

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.

Students across the various programmes of study are assessed through continuous and summative evaluation throughout their learning period. Well performing students are identified on the basis of internal and end semester examinations, involvement in technical activities like presentations, Hackathons, mini projects etc.

Special Programmes for advanced learners:

- The academic Regulations permit advanced learners to register for one additional course in each semester completing the course requirements early to use the final year for industry / research projects.
- Advanced learners can earn additional credits through online courses like NPTEL and can transfer credits.
- The advanced learners get opportunities to register for 18 additional credits as Specializations/Minors leading to B.E degree with honours and also with joint industry certifications.

Special programmes for slow learners

- The academic regulations permit slow learners to drop up to two courses in the end semester examinations and get additional one year for completing the programme with First class.
- The students with their school education in the regional language are given additional training in English language through the Language labs.
- Remedial classes are conducted for the students who failed in the internal assessment tests to improve their

performance in subsequent assessments.

- Bridge courses are conducted for Lateral Entry Students on Mathematics and English.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	4559	271

File Description	Documents
Upload any additional information	No File Uploaded

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:

Participative learning

- **Active Learning Method:** In each course the faculty members use different tools/methods like group discussion, Role play, Online skilling platforms, Simulation software to make the students involved in the learning process.
- **Self - Learning :** The faculty mentors motivate the students to learn online through online portals obtaining certifications.

Experiential learning

- **Projects:** the students are assigned with mini projects both in II and III year. The outcome is an innovation process / product for validation/Incubation and commercialization.
- **Internships / Inplant Training:** Internships and Inplant training are part of the curriculum with 2 credits for a period of 4 to 6 weeks which provide hands on experience

and on the job learning.

- **Entrepreneurship Cell:** Students have entrepreneurial skills developed through the periodical entrepreneurship camps motivating them for startups and funding through MSME.
- **Live-in-Lab:** Part of the curriculum with 2 credits enabling the students to identify the societal problems of the neighborhood community for relevant solutions.

Experimental Learning

. During the programme, every student would undergo on average 14 laboratory courses. The experiments beyond syllabi in all lab courses enhances the hands on experience of the learners.

Problem solving methodologies:

The faculty inculcate problem solving methodologies and skills to the students through ICT enabled learning, case studies and tutorial sessions for analytical courses. Due weightage is added in assessment for students solving problems in hackathons and innovative competitions.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

ICT starts with students registering for the courses for the faculty of their choice every semester online, enabling them to opt for both course and faculty. Online teaching is conducted using licensed Webex platform along with tools like Google class room, Quizz, Mentimeter, Kahoot, Word Wall for teaching and learning. The courses on programming are taught using skilling ICT platform like skill rack. The software developed in house is used to conduct online internal assessment tests. The employability enhancement courses are conducted with a daily practice test on-line enabling practising and up skilling.

Learning Resources

The central library along with ELSEVIERSDand Springer Naturehas provided free access of text books. IEEE xplore digital library, EBSCO Database, the electronic resource packages like DELNET, NPTEL, Swayam Prabha and Digital Library are available.

Academic Management System:

Academic Management System is a tool for faculty, students and administrators to assist in the process of college admissions and post admission. The online-platform manages the courses registration, student attendance and internal assessment marks.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://srec.ac.in/themes/frontend/document/igac/ICT%20Enabled%20Tools.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

226

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 annual academic calendar is prepared for the complete academic year in consultation with the Heads of the Departments. The academic calendar includes the schedule of reopening, continuous assessment, last working day, end semester examination schedule and vacation slots semester wise.

Teaching Plan:

- Each faculty has to prepare a detailed lesson plan with course objectives, course outcomes and programme

outcomes. The Lesson Delivery Plan would include the Content beyond Syllabus to be taught for that course.

Timetable

- The timetable is planned well in advance before the commencement of classes for each semester. The timetable is prepared such that for every 1 credit of theory and tutorial 1 hour per week and for practical classes 2 hours per week for 1 credit.

Tutorials

- Four Credit courses are planned to include one additional hour for subjects of highly analytical in nature, with the objective to increase problem solving capabilities, analytical thinking and logical ability.

Practical Sessions

Students are expected to come prepared for pre lab viva-voce for that particular experiment and tested with post lab viva questions after completing the experiment. Innovative experiments are added in the laboratory sessions to ensure better understanding of the concept.

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

271

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**132**

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	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**2553**

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****23**

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

Examination Management System - Process

Impact

CIA marks

Speedy display with monitoring

Online issue of Examination Application

Expeditious processing of fees payments.

Online course registration

Students can register for the courses and the faculty both of their choice

End semester examination and valuation

Precise scheduling, question paper status and valuation planning

Examination Galley

Course wise strength with the date and session of examination finalizing halls / invigilators

SREC student App

Hall and seat number for each examination

Valuation mark entry and dummy number

Valuation allotment, Revaluation and Photocopy of answer script

Result Publication including revaluation

Students will be able to view the results through website and mobile app.

Reports

Pass percentage and Consolidated Statement after moderation

Eligible candidates for award of degree

Name list with CGPA and classifications

Continuous Internal Assessment

After every internal assessment test the attendance and marks are entered into the software. Course wise attendance is calculated for every semester and students failing to earn the requisite attendance cannot appear for the end semester examination of that course. The internal assessment marks earned by student is posted in the examination system by the course instructor with the approval of the Head of the Department and the Principal.

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

Program Outcomes, Program Specific Outcomes and Course Outcomes for all the programs along with the curricula and syllabi are displayed in the Institute website for ready reference. Students, Faculty members and all stakeholders can access the complete details of POs, PSOs and COs for all programmes offered by the institution in the Institute website. Program

Outcomes (POs) are consistent with the Graduate Attributes defined by NBA and Program Specific Outcomes (PSOs) are specific and relevant to that particular program. 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.

The PEOs, POs and PSOs are disseminated through -

1. College web site : www.srec.ac.in
2. Curriculum and Syllabi book
3. Display boards in Departments and laboratories
4. Laboratory manuals
5. Class room display boards
6. Department News letters
7. Event Brochures

The Course Outcomes are printed in the Syllabus books.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

Attainment of CO:

The attainment of CO is calculated using the marks scored by the students using direct and indirect assessment methods. Each CO attainment is calculated by every course coordinator which is approved in the Programme Assessment Committee.

- For theory courses, the periodical test marks, end semester examination, assignments and innovative practices are considered. The course instructor needs to map questions to specific COs in the Assessment-CO matrix.

- For practical course, the assessment tool is based on continuous assessment of every experiment. The experiments completed by the students are evaluated based on their knowledge in designing, conducting and analyzing the results.

Attainment of POs and PSOs:

The POs and PSOs attainments are evaluated through direct & indirect measures.

- For direct attainment, all POs are adequately addressed through the selection of courses and their COs. Target levels of attainment are set for POs and PSOs.

The indirect methods considered for are co-curricular, extra-curricular activities, program exit survey, alumni survey and employer survey. The survey questionnaires are given in scale of scores ranging from 1 to 5 and they are mapped to POs and PSOs. The average score of the questionnaires are calculated as indirect attainment for POs and PSOs.

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

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

1138

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	Nil

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://srec.ac.in/igac/resource/uploads/documents/AQAR_2023-2024/C-2/2.7/SSS.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

The institution continuously upgrades its research facilities, adding capabilities in recycling aluminum alloys, 3D printing, Industry 4.0, Smart Manufacturing, AI, Embedded AI, Electric Vehicles, AR/VR, Cybersecurity, and IoT. The nanotechnology department fosters multidisciplinary research with advanced facilities for characterization and synthesis.

- Research promotion policies are regularly updated. Full-time Ph.D. researchers receive an annual fellowship of INR 2.6 lakhs with a contingency grant of INR 20,000, while postdoctoral fellows are awarded INR 30,000 monthly and INR 40,000 annually for contingencies. Funding supports research mobility, faculty exchanges, and international conferences to a tune of INR 78.09 Lakhs.

- Faculty publishing in Q1-Q4 journals earn up to INR 5,000 per impact factor, and top contributors are recognized for high citations, cumulative impact factors, patents, and breakthroughs in citation or h-index records. Departments are rewarded for maximum average publications, highest external funding, and top indexed publication performance.

• Supervisors with impactful work are honored annually. Financial support is provided to 20 students annually, with up to INR 25,000 per student for exchanges with premier institutions, totaling INR 5 lakhs from 2023-24. Seed funding of INR 2 lakhs per proposal enhances research projects. These initiatives drive innovation, academic excellence, and global collaborations while nurturing talent across disciplines.

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://srec.ac.in/themes/frontend/document/policy.pdf
Any additional information	View File

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)

29.84

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	No File Uploaded

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

10

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)**

97.34

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	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

20

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

61

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

8

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
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 actively supports innovation, research, entrepreneurship, community engagement, and incubation ecosystems.

- The Collaborative Innovation Centre (SREC-CoIN) has received a top star rating from the Ministry of Education's Innovation Council. Led by an industry-experienced senior member and supported by 26 Innovation Ambassadors and 7 student ambassadors, the center promotes research and innovation through seed funding, PoC development, hackathon travel grants, and AICTE-Idea Lab support.

- IP-cell enhances intellectual property rights with institutional funding.

- The institution hosts 12 recognized research centers with 164 scholars and postdoctoral fellows, while industry-backed Centers of Excellence in advance multidisciplinary research.

- The AICTE-funded Entrepreneurship Development Cell organizes awareness camps and commercialization courses.
- The LIVE-IN LAB program integrates rural-focused projects into the curriculum, driving impactful community solutions.
- A 12,000 sq. ft. incubation center supports 13 startups funded by MSMEs and Start-up TN. Rs.2.25 lakhs grant was received from Ministry of Education to mentor five colleges and Rs.5 lakhs for Yukthi Innovation Challenge to convert product to startup.
- Rs.16 lakh was funded for The IDE Bootcamp (Phase II), by AICTE and MIC.
- Ideaathon 2.0 fosters problem-solving and creativity in ATL-adopted schools, nurturing the next generation of innovators.
-

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

92

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures

A. All of the above

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

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	No File Uploaded

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

142

File Description	Documents
URL to the research page on HEI website	https://srec.ac.in/rd/supervisor
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

942

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

350

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

4149

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

46

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)**32.38**

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	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**97.96**

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	No File Uploaded

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 institution has three NSS units and a Youth Red Cross Society that collaborate with NGOs and hospitals to promote community service and holistic development among students.

- NSS has conducted impactful initiatives, including career guidance for 1,700 students and skill development

programs. Through UNNAT BHARAT ABHIYAN (UBA), five adopted villages benefited from projects focused on education, healthcare, and sustainable livelihoods, impacting 1,000 villagers, including tribal communities. NSS, along with YRC and UYIR Club, organized road safety campaigns, organ donation drives, fire safety workshops, and Chennai flood relief efforts. Environmental initiatives like tree plantations, Swachh Bharat campaigns, and drug awareness programs also took place. Voter awareness and World Water Day human chains promoted active citizenship, with NSS volunteers earning Anna University Best Volunteer Awards for exceptional service.

- In NCC, a third-year Electronics and Communication Engineering cadet was recommended for the rank of Lieutenant in the Indian Army, while a Computer Science Engineering cadet represented the contingent at the Thal Sainik Camp in New Delhi.
- The IEEE, Women in Engineering, and Women Empowerment Cell organized the Women in Technology (WiT) series to empower women students with knowledge of emerging technologies. Cybersecurity workshops were conducted for students, and a special CSR session was held for government school students. International Women's Day was celebrated, promoting inclusivity on campus.

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

118

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)

97

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

3405

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

1727

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

46

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 Institution has adequate infrastructure and physical facilities for an effective teaching learning process in compliance with norms stipulated by AICTE. The facilities comprise 11 seminar halls furnished with screens, LCD projectors as well as 77 well-ventilated classrooms and halls exclusively for conducting tutorial sessions.

Every department has adequate laboratories of current trends established as per AICTE requirements and as per current regulations and syllabi. The advanced laboratories in current trends have been established through management funding and Government funding agencies like DST - TDP, the Ministry of Mines.

The departments are situated in separate blocks with Adequate Drawing Hall facilities. Every department maintains department library. The institution has a common seminar hall and Auditorium with a seating capacity of 1500 with LED Walls.

Multiple Halls are available for the students to conduct Group discussions, practice Communication skills and Placement Training.

This year, laboratories were upgraded to the tune of INR 1.07 crore and Centres of Excellence worth INR 99.37 Lakhs were established.

Sl.No

Name of the Centre of Excellence

Total Cost in INR

1

Centre of Excellence in

Cyber Security

31 Lakhs

2

Centre of Excellence

on AR/VR

43.97 Lakhs

3

Centre of Excellence for E Mobility

24.4 Lakhs

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

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, games and gymnasium

The institution has excellent facilities for games, sports, yoga and cultural activities.

The list of facilities along with the area are presented below:

S.No

Description

Quantity**Area in Sq.Mts**

1.

**Athletics 400 mts track with facilities for field events
football & cricket field**

1 No

20900 sq.m

2.

Basketball court concrete

2 No

640 sq.m

3.

Cricket nets

1 No

400 sq.m

4.

Handball court

1 No

1200 sq.m

5.

Volley Ball Court

1 No

2108 sq.m

6.

Ball badminton

2 No

2310 sq.m

7.

Kabaddi

2 No

476 Sq.m

8.

Ball badminton court Ladies hostel

1 No

450 sq.m

9.

Ball badminton court Men's hostel

1 No

450 sq.m

10.

Volleyball court Ladies hostel

1 No

225 sq.m

11.

Volleyball court men's hostel

1 No

225 sq.m

Cultural Activities

The institution is keen to develop the fine arts of the students by identifying their talents. An auditorium with a seating capacity of 1500 mounted with LED walls is available for the conduct of cultural programmes and other extracurricular activities. The events common to all the students across the departments like Tamil Mandram, English Literary Society, Fine Arts Club, etc., are conducted in the auditorium.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	View File
Paste link for additional information	Nil

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)

1159.32

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)

The Library is partially automated using PALPAP-Insproplus software. It is fully barcoded and integrated with multi-user software on web based platform. Library functions such as Circulation (Issue, Return and Renewal) and Online Gate Entries are automated using this software. The Online Public Access Catalogue (OPAC) is accessible at three locations: the Return Counter, Journals Section, and Reference Section. OPAC provides information on the availability of books, the status of Issued, Borrower details, overdue charges etc.

The Ambience of Library

Total Area of Library : 2349 Sq.Mts

Seating Capacity : 285

Working Hours

Working Days (Monday to Friday) : 8.30 AM to 6.30 PM

Saturdays : 8.30 AM to 5.30 PM

Sunday : 9.00 AM to 3.30 PM

Library will be closed on all public holidays

Number of Library Staff : 8

Library Staff with Degree : 6

Digital Library

A well-equipped digital library is operational with 30 Computers. All the subscribed e-resources, including e-journals, e-books and e-databases are accessible both IP based and remote access through the following links:

<http://idp.srec.ac.in>, <http://srec.knimbus.com>. Additionally, Book CDs, Student Project Reports CDs and Question paper with answer keys can be accessed through the DSpace link <https://172.16.4.251:8080/jspui/>

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

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
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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)
63.66

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
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
1578

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

Institutional IT Policy and Budget Allocation

The Institution has a comprehensive Information Technology (IT) Policy that encompasses key aspects such as Wi-Fi infrastructure, cyber security and IT resource management.

Key Features of the IT Policy:

1. Wi-Fi Infrastructure:

- **Wi-Fi Hotspots:** Dedicated Wi-Fi hotspots are deployed across the campus for seamless connectivity.
- **Hostel Connectivity:** The hostels are equipped with 230 Wi-Fi access points, enabling students to access learning resources, complete online assessments, engage in blended learning.

2. Cyber Security

- The institution has a Cyber Security Centre of Excellence, composed of faculty from the Departments of Computer Science & Engineering and Information Technology.
- Network security is enforced through a dedicated hardware firewall (SOPHOS XGS4300) and a private Local Area Network (LAN).
- The institution maintains a 3Gbps Internet Leased Link (ILL) from multiple providers to ensure consistent and high-speed internet connectivity.

3. E-waste Management

The institution has a structured e-waste disposal policy, collaborating with a Tamil Nadu government-certified agency (M/s. Techazar E-Cyclers Pvt Ltd) to recycle non-degradable

electronic waste collected annually.

4. CCTV and LED Display

- Comprehensive CCTV surveillance ensures the safety and security of the campus and hostel premises.
- A dedicated LED display board is used to communicate important campus events and updates.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4559	1729

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 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

D. Any one of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	No File Uploaded

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)

1345.78

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.

Classrooms

- For the classrooms allotment a timetable is followed ensuring the best optimal utilization.
- The LCD projectors are annually serviced during the vacation period by an approved vendor coordinated by a faculty.

Computers

The institution has an exclusive Computer Maintenance Cell that ensures continuous and optimal working condition of the computer.

Laboratory

The life span of equipment in laboratories is prolonged and the data collected within laboratory is reliable under two schemes

1. Annual maintenance contract for sensitive equipment

2. On call maintenance for other equipment.**Library**

The monthly magazines and journals of the central library are compiled as back volumes and are made available for reference. Annual stock verification of books in library is carried out successively.

Sports

Basic maintenance on sports grounds is done like trash removal, spot cleaning and sweeping, removal of weeds, etc for a long-term usage. The sports grounds are utilized everyday till 6.30PM.

Supporting system

All the support facilities like classroom and all others halls are maintained by housekeeping staff under the supervision of Estate Officer on daily basis. The carpentry and plumbing work maintenance are supervised under the Civil Engineer. All the electrical complaint is taken care of by the Electrical Department in-charge.

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

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**

1675

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

540

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://srec.ac.in/events
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

4794

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

617

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

84

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

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

38

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

130

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

Academic Council:

Academic Council meets twice in a year and represented by four students from different branches of study. The feedbacks are recorded for further action.

Library Advisory Committee:

Students in the Committee represented by class representatives of all classes. They register their grievances and submit request through HoD for purchase of books, journals and e-resources.

Grievance Redressal Committee:

The committee has a student member chaired by the Principal. All grievances represented are addressed.

Anti-ragging committee:

As per UGC recommendations, students are also members of anti-ragging committee.

Class Committee:

All programmes have class committees that has student members representing meritorious as well as weak students. The feedback and suggestions are recorded with minutes and conducted twice in a semester.

Department Advisory Committee:

DAC has stakeholders - faculty, students, parents and members from academia and industries and is conducted annually. The feedback and suggestions are recorded with minutes.

Student Affairs Cell:

Student affairs cell is to guide, foster and nurture the students for their academics and career development.

Hostel Administration:

Hostel inmates administer the functioning of hostel and take-up the responsibilities to maintain cleanliness, zero food-waste,

food quality.

The students Anti-Drug committee and Internal Compliance Committee to express their grievances.

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

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

91

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

Alumni Association was established in 1998 and is a registered society with the appropriate byelaws. The SREC Alumni Association (SRECAA) has got chapters in India at Chennai and Bangalore apart from the parent chapter in Coimbatore, four overseas chapters in USA, Australia, Singapore and Europe. The Association has 22095 registered members.

The SRECAA conducts all Annual Chapter Meets, Annual General Body Meeting and Batch Reunion (batches meet after 15 years of graduation) with the fixed calendar.

Financial support

1. Every batch of alumni institute an endowment to meritorious students in-need
2. Different batches of alumni institute endowments in the

memories of their deceased classmates to support the needy.

3. Seed Endowment Fund for a specified cause to support students

Alumni serve as members in committees like Department Advisory Committee, Industry Advisory Board, Programme Alumni Interactive Cell and Board of Studies, also act as resource persons for Guest Lectures, One Credit Courses.

Alumni offers Mentorship for aspiring to be entrepreneurs and to participate in Hackathons, Competitions and also conduct Mock Interviews.

SRECAA conduct Annual Sports for the Alumni-Trophy.

Institution supports alumni by offering Concession for their Family Members in hospital managed by trust and Fee Concession for Siblings/wards in institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.srecalumni.org.in/

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 governance of the institution along with the endowed team of members including the Management, Principal, Faculty, Parents and Students participates in various roles in enduring the functioning of the institution to achieve the vision and mission of the institution.

Governing council being the highest body of the institution which is chaired by the Managing trustee to lead the institution, by overseeing the various functions of the institution guided by the Board of Management. Constitutional bodies such as Academic Council, Board of Studies, Planning and monitoring board, Finance Committee, Internal Complaint Committee, Research and Ethical Committee and Internal Quality Assurance Cell are formed according to the guidelines, led by the Principal for monitoring and effective functioning of institution through regular meetings. Heads of the departments along with members of faculty are assigned with responsibilities in various statutory bodies in planning and implementation guided by the Principal.

The Internal Quality Assurance Cell formulates the Academic and Administrative strategic/perspective plans of the institution, monitored and implemented with the help of Director and members of IQAC under the guidance of the Principal as Chairperson.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://srec.ac.in/aboutus/#mission_vision

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

Effective leadership is showcased in bestowing various powers and responsibilities for effective functioning of the institution through decentralization and participative management

Decentralization

The Principal has been bestowed with financial power by Governing Council to sanction an amount of INR. 50,000 in cash per month and authorizing a cheque worth of INR. 4,00,000.

The Heads of the departments has been authorised of financial freedom up to INR.20,000 per month to be utilized for Purchase of consumables, maintenance and for supporting faculty members financially to attend seminars, workshops, conferences and obtaining memberships in Professional bodies.

Participative Management

Heads of the Departments and senior faculty members in the institution along with the academic/research and administration responsibilities also represent as convenors of various constitutional bodies of the institution with guidance by the Principal. The faculty of the institution also been given with additional responsibilities to represent in various statutory bodies such as Grievance redressal, Anti-Ragging, Disciplinary committee, Women Empowerment etc, along with the convenors and Principal in planning and implementation of the various activities in the institution.

The involvement and participation of the faculty members in activities will increase the quality of the institution towards the vested responsibilities, accountability and best outcomes.

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	https://srec.ac.in/aboutus/igac

6.2 - Strategy Development and Deployment

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

Strategic plan in Sri Ramakrishna Engineering College outlines Strategic goals, Action-plan and Target/Benchmark to enhance quality and efficiency. It aligns with National Assessment and Accreditation Council (NAAC) standards and integrates principles of National Education Policy (NEP) to foster innovation and excellence in education. The Objectives are,

1. Curriculum Reforms
2. Teaching & Learning
3. Industry Connect
4. Research & Innovation

5. Student Progression

6. Staff Progression

7. Social Responsibility Initiatives

8. Alumni Engagement

9. Infrastructure & Facilities

10. Governance

SUCCESSFULLY IMPLEMENTED

- Institution provides financial supports faculty and students to attend and present research papers in conferences conducted in International forums.
- Research Scholars and Post-Doctoral Researcher has been provided with monthly institutional Research fellowship to full time scholars and these are transformed to government fellowship like DST WMT, DST TDP, CSIR-SRF and UGC-SJSGC.
- Theincentivewill be sanctioned based on Journal Impact Factor Quartile (JIF:Q1,Q2,Q3 and Q4 by Web of Science)
- For Q1 journals JIF multiplied by Rs.5000/-, Q2 by Rs.3000/-, Q3 by Rs.2000/- and Q4 by Rs.1000/-
- An incentive of 10% is paid to investigators of projects awarded from Government funding agencies and incentive upto 20% of revenue generated through consultancy project to teaching faculty and 1% for non-teaching faculty.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://srec.ac.in/aboutus/igac
Upload any additional information	No File Uploaded

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.

The Organogram of the institute comprises of the Management, Principal, Vice Principal, Controller of Examination (CoE), Director-IQAC and Heads of the departments. The chairman of the

Governing council is the Managing Trustee of the Institution. The Principal is the Administrative Head of the Institute.

The academic and administrative bodies are quite effective and have formulated policies for appointment of the teaching and non-teaching faculty, administrative and support staff. The service rules have been unambiguously framed covering the norms for career advancement, promotion and leave rules with individual copies provided to all the faculty members.

The appointment of any teaching faculty is based on the norms of the apex bodies both in terms of the qualifications and number of positions. A selection committee constituted with the external expert conducts the interview for the candidates shortlisted after the screening test and selected based on the merit. All the candidates go through annual appraisals. The promotion of the faculty is based on the vacancy position as per norms of the cadre ratio.

The Administrative setup of the college has the Accounts section, Establishment section headed by a selection grade assistant. Student section headed by a senior grade assistant, inward and dispatch section.

File Description	Documents
Paste link to Organogram on the institution webpage	https://srec.ac.in/aboutus/igac
Upload any additional information	View File
Paste link for additional Information	https://srec.ac.in/aboutus/igac

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

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	View File

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

The institution has welfare measures and schemes both for teaching and non-teaching faculty with following statutory benefits.

- Provident Fund contributions by the Employee and an equal contribution by the Employer.
- Casual Leave, Medical leave and Maternity leave with pay for 2 children.
- Earned leave with option for accumulation and encashment.
- Group Insurance
- Gratuity on relieving from the service after completing 5 years of continuous service.

Other Welfare Measures

- Rural health centre with 24 hour ambulance is available with residential doctor and paramedical staff.
- Assistance for personal loan through the salary account is provided.
- Management provides concession in Admission fees for the wards of the faculty members across all the sister Institutions.
- Medical Concession has been provided for the faculty members in Sri Ramakrishna Hospitals, Coimbatore.

Incentives as welfare

- An incentive of 10% is paid to the investigators of the projects awarded from Government funding agencies and incentive up to 20% for consultancy project to teaching

faculty and 1% for non-teaching faculty.

Career development and progression

A transparent policy is available ensuring career development and progression. The teaching faculty and non-teaching faculty are encouraged for qualification improvement by providing sponsorship for attending conferences, workshops and to develop prototype through SEED fund.

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

85

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

40

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.)

206

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

Financial planning and Management ensures the consistency in the development of institution and also it supports the strategic growth of the institution. Financial planning is done well in the institute by the various academic and administrative committees. The optimal utilization of the budget is monitored through internal and external audits.

The internal and external audits are in practice in the institution. The external audit is an annual audit. The audited statements of accounts are presented to the finance committee and the Governing Council.

For any funding/ grant-in-aid received from the Government funding agencies, individual bank accounts are opened by the respective investigators of the projects. Such accounts are also subjected to internal audit and during completion of the project, audited by an external auditor for submission of the utilization certificates to the respective agencies.

File Description	Documents
Upload any additional information	View File
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)

15.28

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	View File

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

Funds Mobilization

The major revenue mobilization for institution is through tuition fees paid by students. The students also receive scholarships from State Government under different categories like First Graduate scholarship, Backward community scholarship, SC/ST scholarship.

This revenue from student are usually generated during the beginning of academic year. The students pay examination fee for end semester examinations and all examinations related expenditure like honorarium for question paper setting, invigilation, evaluation, result passing board and scrutiny are met from this revenue collected.

Utilization of funds

The Departments in the institution will propose annual budget for every academic year. A finance committee is constituted in every department led by Head of the department, and faculty as members. The committee will plan the budget under different heads such as Equipment for Laboratories, Consumables, Equipment maintenance, AMC-Expenses, organizing Conferences/Seminars (Association Inaugural/Valedictory, Workshops/Seminars/Guest-Lectures, and Technical-Symposium), Research & Development and General Expenses. The budget proposed will be submitted to Principal for approval. At end of the year, departments will prepare a utilization statement based on approved budget. The utilization is presented to finance committee and Governing Council, if any deviations

found, justification will be made by departments to members of Finance committee and Governing Council.

File Description	Documents
Upload any additional information	View File
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)

The IQAC of the institution is taking lot of initiatives for institutionalizing the quality assurance strategies for the uniformly visible incremental improvement across all the departments.

Practice I

Orientation programme for teachers

All the faculty members recruited will go through a 20 hours orientation and induction programme covering the different aspects of quality. The programme focuses on the topics such as Structure and role of IQAC in ensuring the quality, System of Autonomy, Academic regulation, Development of curricula and syllabi, Teaching learning process and Outcome Based Education, the Process and Procedures of the National Board of Accreditation (NBA) and NAAC.

Practice II

Academic and Administrative Audit

The academic audit is conducted by Internal Quality Assurance Cell (IQAC) annually with external academic auditors appointed by the Principal. The office of IQAC shall prepare the standard formats to be filled in by the respective Departments and the reports shall be presented to the external academic auditors. The external auditors shall submit the final audit report and suggestions for further improvement. The reports will be

forwarded to the heads of the departments for action plan and execution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://srec.ac.in/aboutus/igac

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 IQAC reviews, the teaching learning process, methodologies and learning outcomes at periodical intervals through IQAC.

Teaching Learning Process and Learning Outcomes

In order to enhance the teaching learning and its outcomes, the following are some of the regular audits performed by IQAC throughout the year.

1. Course file (Lesson delivery plan, Class log after completion of courses) - After the completion of every semester
2. Question paper and Answer key scrutiny - End of every semester
3. Answer Script books - End of every semester
4. Laboratory records - End of the every semester
5. Surprise Audit for course file - Beginning of every semester
6. Academic Audit- Every year
7. ISO Audit- Every year

Training on AI tools as a Teaching AID

IQAC has organized One day Capacity Building Workshop for the faculty members of the Institution on "Digital Transformation in Higher Education: AI and the way forward". The workshop aims to provide the different technological perspectives with respect to digital transformation in the field of teaching and learning. The usage of AI tools to enhance the teaching

methodologies and the assessment patterns to help the faculty to improve their skills and explore the possibilities of new technologies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://srec.ac.in/aboutus/igac

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 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)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://srec.ac.in/aboutus/igac
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

The institution has 271 teaching faculty comprising 54% of women (146 female and 125 male) and 172 non-teaching, that includes 54 % (94 women) and more than 50% of women faculty functioning as heads of various departments. Out of 4559 students, 1482 are women students.

The institution is committed to promoting gender equity and

empowering women through dedicated initiatives organized by the Women Empowerment Cell (WEC)/Internal Complaint Committee (ICC). Various programs were conducted to foster self-reliance, equity, and professional growth. As part of curriculum enrichment, courses like "20IT218 - Women Development and Empowerment" emphasized key aspects of women's empowerment.

Awareness sessions such as "Cyber Crime Against Women," led by cybercrime inspectors and professionals, educated first-year students on digital safety and security. The WiT Series events, conducted by distinguished women alumni, covered diverse technical and professional domains

The girl students are given equal responsibilities and recognition in classroom activities and co-curricular/extra-curricular activities.

- Technical Associations, Clubs, Sports and Professional Society Chapters have girls as Executive Committee.
- NSS women volunteer and NCC cadets.
- Overall Best Outgoing Girl Student as well as Boy Student is awarded.

The campus supports like a Common room for girls and the facilities of CCTV Cameras wherever appropriate.

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

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	No File Uploaded

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)

The institution ensures the proper management of both degradable and non-degradable wastes.

Solid Waste Management

The solid waste generated in the campus is of two types - bio degradable and non-bio degradable. The wastes like stationary, files etc are periodically given to the external agencies for recycling.

Liquid Waste Management

Sewage treatment plant is functioning with the capacity of 1.2 million litres/day for treating the water from all the blocks in the campus including the hostels. The treated water is distributed through multiple outlets and used for maintenance of lawns and garden. The treated water is periodically tested to ensure that it does not contain any hazardous chemicals.

Biomedical Waste Management

There is no biomedical waste generated in the campus.

E-Waste Management

The institution has a policy of disposing the Electronic waste through a Certified Agency of Tamil Nadu Government Pollution Control Board.

Hazardous Chemicals Waste Management

A Material Safety Data Sheet (MSDS) is maintained in all the laboratories wherever hazardous chemicals are in use. The standard procedures are followed. No radioactive materials are used in the laboratory.

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:

A. Any 4 or All of the above

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

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 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.

B. Any 3 of the above

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 takes efforts in providing inclusive environment for students and faculty. Social Outreach programmes such as career guidance, linguistic, science awareness, health awareness, Swachh Bharat activities, etc. are conducted through Naan Mudhalvan scheme of Government of Tamilnadu/Social Development Club/Science Club/Outreach Club / NSS for the neighbourhood. The Road safety and awareness rally programs are conducted through Uyir Club. Social awareness are inculcated through NSS Orientation Programme and NSS Special Camp.

The various clubs in the campus like Fine Arts club conducted cultural programmes in the name of swagatham and Elatio, Tamil mandram organized events such as kovai vizha, yaali and Kural edu Kural kodu.

The students from the cultural, regional, linguistic, communal, socio-economic background are from different part of the state. There are students from countries like Nepal through Foreign Nations and CIWGC. The diversity takes efforts in providing inclusive environment for various cultural and regionals students. The cultural programmes by fine arts club are of diverse nature classical/folk/drama in different languages depicting the different cultures of the regions.

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:

All the departments of the institution involve into programmes to sensitize both the students and faculty to the constitutional obligations of every citizen. Our institution has NCC Unit that conducts special training programmes to the cadets. NCC cadets have participated in Republic day parade/Training Camps and few joined as officers in Indian Army/Navy/Air Force. In view of celebration of 75 years of Indian Independence, "Azadi ka Amrit Mahotsav" competitions were organised for government school students. A campaign on aware of dangers involved in drug consumption. "Samvidhan Diwas" Constitution Day was celebrated to commemorate the adoption of the constitution of India.

The societal problems are taken and solved using technology to improve quality of life through UHV, UBA schemes and Live in Labs incorporated in curriculum.

The small student groups work on imparting human values and ethics amongst their peers, helping others, hygiene and environment protection. Each group is given the responsibility to one activity and one zone in the college making them responsible towards their duties and rights as responsible citizens. The students graduating from the institution with these constitutional obligations inculcated give back to the society as social entrepreneurs/ members of NGOs/ corporate social responsibility team in their organizations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed

A. All of the above

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 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	No File Uploaded

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

The institution organizes National and International commemorative days and celebrates national and international festivals. A few such commemorative days and festivals celebrated are presented below

The International Women's Day is celebrated on 8th of March 2024 by inviting women from different walks of life to motivate both students and faculty to be successful both in their profession and also in their personal life.

The International Yoga Day is celebrated every year. National Science Day and International Day of Mathematics was celebrated during on March 2024. International Human Solidarity Day on 19th August 2023 was celebrated by NSS along with Uyir NGO Club. Wild Life Week Celebration - Conservation of Nature was conducted by the NSS Club along with Social Development Club of the Institution. World Forestry day, World water day, World Heritage day, International Mother language day, National

Pollution day, National Unity Day, World Environment Day, and English Language Day are also celebrated through NSS and Social Clubs of various departments.

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

PRACTICE I

1. Title of the Practice: Research and Problem Solving with Interdisciplinary Approach

Evidence of Inter -Institute Success

I. Collaborative Government Funding Research Projects

II. Industrial Consultancy through Competency Group

II. SEED Grant from Institution

IV. Institute-Industry Research Work

V. Memorandum of Understanding (MoU)

VI. Research Outcomes of Interdisciplinary Approaches

i. Publications

ii. Publication categories

ii. Cumulative Impact Factor

ii. Patents and Copyright:

6. Problems encountered and resources requirement**PRACTICE II****1. Title of the Practice: Institutional Social Responsibility (ISR)****2. Evidence of Success**

- Six Projects were implemented in their respective villages.
- MoU signed between SREC and Government ITI, Coimbatore.
- SREC-CoIN supports in developing products useful for society.
- SREC-COIN Mentor- Mentee Schemes
- Seven day NSS Special Camp
- Medical camps and Blood Donation camps

File Description	Documents
Best practices in the Institutional website	https://srec.ac.in/aboutus/disclosures
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)

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

The Institutional Distinctiveness is the strong Industry-Institute Interface connect.

1. Curriculum Enrichment and syllabi development

- One credit courses offered across all departments with contents developed by industry.
- Specialization/minor courses offered with Industrial partners leading to 20 additional credits &

certifications.

S. No

Specialization/

Minor

Collaborating Industry

Beneficiaries

1.

Cyber Security

L&T Technology Services, Bengaluru

15

2.

Sensor Technology

Healthcare Technology Innovation Centre, IIT Madras, Chennai

15

3.

IoT

Bootlabs, Bengaluru.

24

4.

Green Technology

GRIHA, New Delhi

09

5.

Robotics

Wipro PARI, Bengaluru.

03

6.

Electric vehicles

Mahindra Technical Academy, Chennai

26

7.

Data Science

Revealer Global Solutions, Bengaluru.

02

8.

AI / ML

Robert Bosch, Coimbatore.

38

9.

AR / VR

Zeuron.AI

06

10

Intelligent Systems

RBG.AI

02

11

Drone Technology

Garuda Aerospace

15

2. Centres of Excellence along with Industries

- Centre of Excellence in AR/VR with Zeuron.ai
- Centre of Excellence in Cyber Security
- Centre of Excellence in Pneumatics with M/s SMC Corporation (India) Pvt. Ltd.

3. Innovation Ecosystem through Collaborative Innovation Cell (CoIN) & MHRD recognized Institution Innovation Council (IIC).

4. Interdisciplinary Research & Industry Consultancy

5. Industrial members in various academic and administrative committees

OUTCOME OF INDUSTRY CONNECT

- Internal revenue generation.
- Exposure to industry practices.
- Winners in Hackathons conducted by industries
- Internship opportunities.
- Staying current with technological development.

File Description	Documents
Appropriate link in the institutional website	https://srec.ac.in/igac/resource/uploads/documents/AQAR_2023-2024/C-7/7.3/C-7.3.1-2024-2025.docx
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Curriculum Reforms - Update the curriculum to be more flexible, practical, and skill-based, incorporating multidisciplinary learning and vocational training.

2. Teaching & Learning - Use modern teaching methods to encourage active learning, critical thinking, and lifelong learning.
3. Industry Connect - Build strong industry partnerships to gain insights, improve resources, and enhance job readiness.
4. Research & Innovation - Support research, innovation, and collaboration between academia, industry, and research organizations, while encouraging entrepreneurship and new technology.
5. Student Progression - Provide flexible learning pathways and equal opportunities to help students succeed and grow.
6. Staff Progression - Improve faculty skills through training, research support, and career development programs.
7. Social Responsibility Initiatives - Promote inclusion, equal access, and community engagement in education.
8. Alumni Engagement - Strengthen alumni connections to support students, improve the institution, and drive innovation.
9. Infrastructure & Facilities - Upgrade campus buildings, labs, and technology to improve learning and research facilities.
10. Governance - Ensure transparent, accountable, and independent governance to drive institutional growth and excellence.