



YEARLY STATUS REPORT - 2022-2023

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/MjQ0MzE=

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**

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

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

10. Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- 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 • Organized NAAC Sponsored state level Seminar on National Educational Policy: Quality Enhancement and Reforms in Higher Education Institutions (HEIs) • 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 2022-2023: 131 Fellowship for full-time research scholars and PDFs(Total No's and amount): No of Beneficiaries: 10 and Total Amount Rs. 14,11,033 /- Publication Incentives: Beneficiaries: 64, Amount:9,25,000/-
Total Number of Publications for the Academic year 2022-2023	No of Publications: June 2022 to May 2023 Number of Scopus indexed Journals : 456 Number of WOS indexed Journals : 121 Number of CARE Journals : 561
Strengthening of Teaching Learning Process	Various teaching pedagogy is introduced
Encouragement of faculty for participation in Faculty Development Programmes during the Academic Year 2022-2023	No Of Programmes: 186
Enhancement of Intellectual Property Rights initiatives	Patents Filed : 17 Patents Published : 17 Patents Granted : 10
NIRF Participation in 2022	In the Band of 150-200
NBA Accreditation 2022-2023	Programmes Reaccredited: 1. Electronics and Communication Engineering 2. Electrical and Electronics Engineering 3. Electronics and Instrumentation Engineering 4. Computer Science and Engineering 5. Mechanical Engineering

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

body?

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council Meeting	15/06/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

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statutory body?					
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <tr> <td>Name of the statutory body</td> <td>Date of meeting(s)</td> </tr> <tr> <td>Academic Council Meeting</td> <td>15/06/2023</td> </tr> </table>		Name of the statutory body	Date of meeting(s)	Academic Council Meeting	15/06/2023
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14.Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					
<table border="1"> <tr> <td>Year</td> <td>Date of Submission</td> </tr> <tr> <td>2024</td> <td>15/03/2024</td> </tr> </table>		Year	Date of Submission	2024	15/03/2024
Year	Date of Submission				
2024	15/03/2024				
15.Multidisciplinary / interdisciplinary					
<p>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</p>					

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]. Currently 3077 Id's are created for the students admitted from 2021 academic year onwards. Uploading the credentials for the students have been initiated 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 through the Centre for Continuing Education. 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)

As part of the curriculum, Two Tamil courses are introduced as mandatory two credit courses from 2022 admitted students. Some Liberal Arts 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 undertaken 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 define 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

20

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1

4384

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1035

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

8565

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 Number of courses in all programmes during the year:	879
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	278
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	278
File Description	Documents
Institutional Data in Prescribed Format	View File
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	471
4.2 Total number of Classrooms and Seminar halls	91
4.3 Total number of computers on campus for academic purposes	1411
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	90675423
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

19

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

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

879

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

1.2 - Academic Flexibility

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

205

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

20

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, Renewable Energy, Solar Technology, Industrial Pollution and Control, Waste Management, Global Warming and Climate Change, habitat sustainability and Corrosion Science 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	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**79**

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

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**3174**

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**3360**

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/igac/resource/uploads/documents/AQAR_2022-2023/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

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://srec.ac.in/igac/resource/uploads/documents/AQAR_2022-2023/C-1/1.4.2/1.4.2_Stakeholders_Feedback_Report.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1101

File Description	Documents
Any additional information	View File
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)

416

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
31/05/2023	4384	278

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 for teaching and learning. The courses on programming are taught using skilling ICT platform. 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, and Digital Library are available.

SREC Student APP:

The institution provides SREC STUDENT APP where student / parent can view the home page with features like profile, courses, attendance, results, internal marks, course credits news, grievances, time table, exam schedule etc.

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

278

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**127**

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)**2523.25**

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**1**

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**

940

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_2022-2023/

[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's research facilities are frequently updated across all departments and added during the current period include Technology System Development (TSD) of recycling aluminium alloys for industrial applications, 3D printing, Industry 4.0, Smart Factory, Smart Manufacturing and Automation Centres, AI, Embedded AI, and IoT. The nanotechnology department supports multidisciplinary research with facilities in characterization and synthesis.

The policies for promotion of research are periodically revised and updated.

- Full-time Ph.D. researcher receives an institutional research fellowship of INR 2.6 Lakhs per year with a contingency grant of INR 20000/-.
- For full-time postdoctoral fellows, Institutional Research Fellowship is offered with a monthly salary of INR 30,000/- and an annual contingency grant of INR 40,000/-
- Funding for research mobility schemes: research fellows, immersion programmes, visiting faculty, Faculty & Academic exchange, international conferences, to a tune of INR 62,07,000/-
- For high-impact peer-reviewed journal publications in Q1, Q2, Q3, or Q4, faculty authors receive up to INR 5000 per impact factor of the publication.
- Faculty members are recognized under various categories like highest citation for an article crossed half-life of five calendar years, highest cumulative impact factor and a patent granted for the calendar year.
- Departments are also recognized based on funding received from various agencies and having maximum average publications per faculty for a calendar year

For research enhancement, faculty and students receive seed fund up to INR 2 Lakhs every proposal.

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/igac/resource/uploads/documents/AQAR_2022-2023/C-3/Research_Promotion_Policy_2022_2023.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)

23.34

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

9

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)****92.40**

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**18**

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**9**

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://srec.ac.in/igac/resource/uploads/documents/AQAR_2022-2023/C-3/3.2/3.2.4/LINK_TO_FUNDING_AGENCY_2022_2023.pdf
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 supports Innovation, Research, Entrepreneurship, Community Orientation, and Incubation eco systems.

- The institution's Collaborative Innovation Centre (SREC-CoIN) is recognized by Ministry of Education (MoE) institution Innovation Council ranked with top star rating.
- Headed by industry-experienced senior member and supported by 3 faculty members.
- The Innovation centre has 26 faculty Innovation Ambassadors and inducted 7 student ambassadors, recognized by MoE.
- Seed fund for enhancing research, Innovation, Development of PoC, Hackathon travel grants is supported by the management.
- Innovation support system is enhanced by AICTE-Idea lab.
- IP cell promoting IPR with the financial support from the institution.
- 12 Recognized Centres nurturing research culture with 164 research scholars (full-time and part-time) and post-doctoral fellows. Industry and management supported Centres of Excellence for multidisciplinary research and industry problem-solving.
- The AICTE-funded Entrepreneur Development Cell runs entrepreneurship awareness camps and market potential and commercialization courses.
- Students learn about rural concerns, locate projects to address them, develop solutions, implement them, and evaluate the results, and present new multidisciplinary solutions for rural communities and the economy through LIVE-IN LABs which is part of curriculum.
- An incubation centre at an area of 12,000 Sq.ft. housing 13 start ups supported by MSMEs seed fund and Start-up TN.

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

91

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

133

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

561

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

474

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

3018

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****37**

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)****55.60**

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

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**76.98**

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's three NSS units and Youth Red Cross Society work with NGO's and hospitals to educate students about social issues for their holistic development.

- NSS adopted five villages and implemented extension activities for sustainable development in education, health, and livelihood under UNNAT BHARATH ABYAN (UBA), where the students took up LIVE-IN-LABs, Renewable energy projects and eco-friendly agriculture initiatives supporting 1000 villagers, including tribal communities.
- NSS with YRC and UYIR Club activities organized tree plantation drives, Blood donation camps, Swachh Bharat and road safety awareness and campaigns against child labour, benefitting 800 school and 550 college students.
- One NCC cadet from undergraduate ECE programme is recommended as a direct commissioned rank of Lieutenant in the Indian Army and another NCC cadet from CSE represented as contingent at Thal Sainik Camp (TSC) held at New Delhi.
- IEEE-Women in Engineering (WIE) and Women Empowerment Cell (WEC) organized various events promoting Women Empowerment including Women in Technology (WiT) series and gender sensitization programs. The cell also hosted activities for the Elimination of Violence against Women and cybercrime awareness sessions.
- Through IBM Volunteer Excellence Award, various programmes like career guidance, Skill development and outreach

activities were organized in which 1543 school students, 170 polytechnic students benefitted and equipped the infrastructure of rural Idigarai Government School with an LCD Projector.

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

134

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)

89

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

3340

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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

648

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)

38

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, etc.,

The departments are situated in separate blocks with Adequate Drawing Hall facilities. Every department maintains a 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 2.21 crore were established.

Sl.No

Name of the Centre of Excellence

Total Cost in INR

1

SLB - SREC Elastomer Lab

16 Lakhs

2

SREC SPARK INCUBATION FOUNDATION

205 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.

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

Floodlights have been installed on the sports field, with INR 70 lakhs facilitates all sporting activities from late evening until 8 p.m. Indoor facilities are available for table tennis, carrom, and chess along with a well-established gymnasium and an exclusive gym at the Ladies hostel.

Cultural Activities

The institution is keen to develop the fine arts of the students by identifying their talents. A practice room is provided with all musical instruments enabling the students to do regular practice.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
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)**462.22**

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 has been partially automated using PALPAP-Insproplus software since 2010. It is fully barcoded and integrated with multi-user software on a web-based platform. Library functions such as Circulation (Issue, Return and Renewal) and Online Gate Entries are automated using the software. The Online Public Access Catalogue (OPAC) facility is available in different locations.

Digital Library

A well-equipped digital library is functioning with 30 Computers. All the subscribed e-resources like e-journals, e-books and e-databases are available and accessed using both IP-based and remote access. Book CDs, Student Project Reports CDs, and End Semester Question Papers with Answer Keys can be accessed from the local server.

Library Advisory Committee

The Library Advisory Committee is functioning in the library along with External and Internal members. Every year in February and August, the committee conducts meetings for the improvement of the library.

Library Club

The Library Club has started to encourage reading habits and literacy skills and to increase library utilization among students and faculty members. The library club includes members of students

from all departments and departmental library staff in charge. It has organized programme such as Book reviews, Book donation campaigns, awareness and training programmes etc.

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

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)

60.19

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

1400

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

Campus Wi-Fi Facility

The SREC campus has proactively engaged in technology enablement through strategic initiatives aimed at enhancing Wi-Fi infrastructure to meet the evolving demands of students and faculty. One such initiative includes continuous improvement of Wi-Fi facilities and commitment to providing reliable and scalable internet access across the campus.

Additionally, SREC has invested in equipping its hostels with 230 Wi-Fi access points spread across all rooms. This initiative empowers students to seamlessly engage in blended learning methodologies, accessing course materials and participating in online placement training assessment tests from the comfort of their accommodations.

Network and Cyber Security

SREC has a dedicated Cyber Security Research Group comprising the faculties from the Department of Computer Science and Engineering and the Department of Information Technology. This group will provide an awareness session on cyber security to the students and the faculty community about the use of the internet and the impacts of cyberattacks.

E-waste Management

The institution has a policy of disposing of electronic waste through the Tamil Nadu government pollution control board-certified Agency M/s. Green Era Recyclers.

CCTV and LED Display

The SREC campus is equipped with CCTV surveillance across the campus and hostel premises, which is regularly monitored.

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
4433	1411

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

E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
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)**906.76**

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 classroom allotment, a master timetable is followed ensuring optimal utilization.
- The LCD projectors are annually serviced during the vacation period by an approved vendor coordinated by a faculty incharge of the same.

Computers

The institution has an exclusive Computer Maintenance Cell that ensures the continuous and minimal downtime of all the computer hardware, software and networking with a well-prepared maintenance schedule covering the entire IT infrastructure.

Laboratory

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

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

Library

The periodicals are compiled as back volumes and made available for reference. The annual stock verification of the books in the library is carried out regularly. The fumigation of the library is performed biannually to ensure the library remains free of pests and conducive to preserving its contents.

Sports

The sports grounds are for regular usage every day until 6.30 p.m. In lieu of this, a special transport facility until late evening has been arranged for players so as to enable them to practice indoor and outdoor games.

Supporting system

All the infrastructure facilities, like the classroom and all other halls, are maintained by a team of staff with a predefined schedule. The carpentry and plumbing work maintenance is supervised by the Residential Civil Engineer.

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

1698

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

500

File Description	Documents
Upload any additional information	View File
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

3101

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

A. All of the above

through appropriate committees

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	View File

5.2 - Student Progression

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

683

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

54

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

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

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

28

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

124

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

Students have active representation in academic and administrative bodies and committees.

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 is 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:

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

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

38

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	View File

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, three overseas chapters in USA, Singapore and Europe. The Association has 19000 plus registered members.

The SRECAA conducts 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 the aspiring to be entrepreneurs and to participate in Hackathons, Competitions and also conduct Mock Interviews.

SRECAA conduct Annual Sports for the Alumni-Trophy.

The 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, 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

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

The Strategic/Perspective plan of the institution is effectively defined and implemented to enhance the quality of the institution.

SUCCESSFULLY IMPLEMENTED

The institution has instituted a strategic plan to develop the culture of research and innovation with faculty members and students. To achieve the goal a special committee has been formed as Research and Ethical Committee, which encourages, supports and monitors the research activities of the faculty. The team consists of the Dr.Moorthy Pichumani, Asso. Prof/NANO as convenor, and senior faculty as members of the committee under Principal guidance.

- The research committee will effectively work in identifying thrust areas for the faculty members, and guide them to apply for funding from various recognized agencies for research.
- The institution also provides financial support to faculty members and students to attend and present research papers in conferences conducted in International forums.
- Post-Doctoral Researcher and Research Scholars have been given institutional fellowships. During the year 2022-2023, 3 Fellows were provided with total grant of Rs.7,12,420/- (Including yearly contingency grant of Rs.40,000/-).
- The incentive will be sanctioned based on the Journal Impact Factor Quartile calculated as Journal Impact Factor multiplied as Q1 by Rs.5000/-, Q2 by Rs.3000/-, Q3 by Rs.2000/- and Q4 by Rs. 1000/-

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

The institution has welfare measures and schemes both for teaching and non-teaching faculty with the 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 salary account is

provided.

- Management provides concession in Admission fees for wards of faculty members across all sister Institutions.
- Medical Concession has been provided for 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.
- An incentive up to 20% on the value of revenue generated through 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 are encouraged to register for PhD while working with the institution. The non-teaching staff is encouraged for qualification improvement.

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

44

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

36

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.)

186

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)

8.55

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 the institution is through the tuition fees paid by the 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 the student are usually generated during the beginning of the academic year. The students pay the examination fee for the end semester examinations and all the 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 the 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,

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 the approved budget. The utilization is presented to finance committee and the Governing Council, if any deviations found, justification will be made by the departments.

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

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 and the 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

Adjunct Faculty

Adjunct faculty refers to Industry representatives/professors from Industries/Academics Institutions who are appointed as a visiting faculty to enhance the teaching learning experience for the students on a specific area of their expertise. The Adjunct faculty is identified by the Head of the department based on the course that is been selected for the batch of students. The course period is defined to have 50 hours per year to complete the

syllabus identified by the faculty.

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 total number of employees in our Institution is 442, comprising of 225 females and 217 males, which is more than 50% of women and out of 4559, 1477 are girl students. The Institution has a high focus on the promotion of gender equity and sensitization. There is a special Cell for Women Empowerment/Internal Complaint Committee for motivating and empowering women to focus on self-reliance, freedom for women and equity.

As a curriculum enrichment, the liberal arts course on "20IT218-

Women Development and Empowerment" included to focus on the dimension of women empowerment. To create an awareness of Cyber Issues and get rid of fear of using digital technology program on "Cyber Crime Against Women" was conducted by Cyber Crime Inspector. Gender sensitization programmes and Women in Technologies Series are conducted by the Alumna to inculcate a sense of equity and mutual respect both in the professional environment and family. The girl students are given equal responsibilities and recognition in classroom activities and co-curricular/extra-curricular activities. Overall Best Outgoing Girl Student is awarded every year.

The campus facilitates with Common room for girls, gym and the facilities of CCTV Cameras wherever appropriate. Psychological counselling is provided by faculty and Professional Counsellor.

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 degrade and non-degradable wastes.

Solid Waste Management

The solid wastes like stationary, files etc are periodically given to the listed and approved 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:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards 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.

A. Any 4 or all 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 Nan Mudhalvan scheme of Government of Tamilnadu/Social Development Club/Science Club /Biomedical Outreach Club Uyir Club/ NSS for the

neighbourhood. The societal problems are taken and solved using technology to improve quality of life through Universal Human Values, Unnat Bharat Abhiyan (UBA) scheme & Live in Labs incorporated in curriculum.

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, English Literary Society (ELS) celebrated the Birth of Bhagwan Birsa Munda to honour the contributions of tribes to our nation.

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 conduct number of programmes to sensitize both the students and faculty to the constitutional obligations of every citizen. Our institution has NCC Unit (Army wing SD&SW) 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. Uyir club, YRC and RRC jointly with Uyir Trust organised a talk on road safety regulations and curtailing of road accidents. "Samvidhan Diwas" Constitution Day was celebrated to commemorate the adoption of the constitution of India.

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 staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

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.

SREC NSS jointly with Child Labour Department, Coimbatore organized Child Labour Eradication and special campaign Swachh Bharat Abhiyan.

The 8th International Yoga Day celebrated on 21stJune'2022. In the view of 75 Years of Indian Independence'2022 various competitions conducted at Government middle school.

COVID-19 free booster vaccination camp organised on 26thAug'2022 (529 members benefited). World First-aid day celebrated on 10thSep'2022.

Uyir Club organized National Unity Day - Rally Rashtriya Ekta Diwas on 1stNov'2022 (118 members participated).

The WEC, Internal Compliance Committee and Science Association motivated stakeholders by organising "Cyber Crime Against Women" 9thDec'2022.

Science and Humanities in association with Chiguru-Co-Lab celebrated International Asteroid Day and National Mathematics Day.

Pongal Celebration organised on 12thJan'2023. On the birthday of Netaji Subhash Chandra Bose various competitions were organized on 23rdJan'2023.

Philatelic and Greenkalam clubs organised 'PHILEX-2K23' and 'Go Green for Environmental Sustainability' respectively.

The WEC celebrated International Women's Day on 8thMarch by inviting women from different walks of life. NSS conducted plastic awareness on 6thMarch'2023.

The World Earth Day celebrated to create an awareness on Nature Conservation on 21stApril'2023. English Literary Society celebrated International English Language Day on 23rdApril'2023.

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

2. Objectives of Practice:

- To produce/develop engineers having higher level of problem-solving skills, with inter disciplinary approach.
- To create inquisitiveness/experimentation towards research and problem solving.
- To ensure higher research focus in the domain facilitating discussions and interactions amongst the members of the groups from different departments.
- To develop collaborative research at inter departmental and inter institutional levels.

PRACTICE II

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

2. Objectives of the Practice:

The objectives of the best practice (Institutional Social Responsibility) followed by the Institution are aligned and practised in accordance with the

Sustainable Development Goals of the United Nations as

- Quality Education;

- Industry, Innovation and Infrastructure;
- Good Health and Well Being;
- Gender Equality

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)

The focus of the institute is to have strong industry-institute interface through a separate industry connect cell headed by Chief Officer-Industry Interface.

- Curriculum Enrichment and syllabi development
- Industry Joint Certification Courses in emerging areas of technology enabling continuous learning.

Specialization/Minor Course

Collaborating Industry Certification

Beneficiaries

Cyber Security

L&T Technology Services, Bengaluru.

21

Sensor Technology

Healthcare Technology Innovation Centre, IIT Madras.

11

IoT

Capgemini Engineering, Bootlabs, Bengaluru.

23

Green Technology

GRIHA, New Delhi.

4

Robotics

WIPRO, PARI, Bengaluru.

3

Electric Vehicles

Mahindra Technical Academy, Chennai.

28

Data Science

Revealer Global Solutions, Bengaluru.

2

AI & Machine Learning

Robert Bosch, Coimbatore.

12

AR / VR

Zeuron.ai, Bangalore

3

- Industry Supported Centres of Excellence in emerging areas
- Lawrence and Mayo for DGCA approved UAV pilot training facility.
- GE Healthcare for Artificial Intelligence domain
- Capgemini Engineering for Aeronautical Engineering & Industry 4.0.

- Innovation Ecosystem through Collaborative Innovation Cell (CoIN) & MHRD recognized Institution Innovation Council (IIC) for the students to innovate in industry hackathons (LTTS, Bosch Engineering Solutions, Seimens Healthcare, Capgemini, etc.)
- Interdisciplinary Research & Industry Consultancy in the areas of AI Vision Systems, Embedded Technologies, Automation and Gripper Development.

OUTCOME OF INDUSTRY CONNECT

- Internal revenue generation.
- Exposure to industry practices.
- Internship opportunities.

File Description	Documents
Appropriate link in the institutional website	https://srec.ac.in/igac/resource/uploads/documents/AQAR_2022-2023/C-7/7.3/C-7.3.1.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Strengthening Industry Connect

•A course on Digital technologies to be conducted for students with faculty competency group & industry experts as resource persons through Collaborative Innovation Centre.

•To obtain internship opportunities and provide endowment to the students involved in industry projects and innovations.

Development of Research and innovation as a Culture

•Additional SEED money & fellowship for full-time research scholars to strengthen research, innovation and extension activities

•Dissemination of information about Hackathons and

innovationcompetitions to the students and faculty through Ministry ofEducation approved Institution Innovation Council.

Expanding Institutional Social Responsibilities

- To produce graduates with excellent character and personalitywith allied skills through UHV Courses.

- To mould them to be individuals caring for society and fellowhuman beings, through LIVE INLAB in which students spend upto 2 weeks in villages understanding societal problems.

- Customization of technology andtechnology development for thecommunity development in adopted villages as part of course.

Alumni Engagement

- To improve interaction among the Alumni members and with theInstitute by the way of organising reunions, meets andconclaves.

- To provide forums for the Alumni members to exhibit theirproducts and expertise, further, give opportunity to promotetheir business and professional life.