



## YEARLY STATUS REPORT - 2023-2024

### Part A

#### Data of the Institution

##### 1. Name of the Institution

SCMS School of Engineering and Technology

- Name of the Head of the institution **Dr. Anitha G. Pillai**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **04842882901**
- Mobile no **9497775295**
- Registered e-mail **sset@scmsgroup.org**
- Alternate e-mail **principalsset@scmsgroup.org**
- Address **SCMS School of Engineering and Technology, Vidya Nagar, Palissery, Karukutty, Ernakulam - 683 576, Kerala.**
- City/Town **Ernakulam**
- State/UT **Kerala**
- Pin Code **683576**

##### 2. Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **APJ Abdul Kalam Technological University**
- Name of the IQAC Coordinator **Dr. Nisha.L**
- Phone No. **8086795393**
- Alternate phone No. **9458352514**
- Mobile **8086795393**
- IQAC e-mail address **iqac.sset@scmsgroup.org**
- Alternate Email address **sset@scmsgroup.org**

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

<https://scmsgroup.org/sset/naac-ssr-cycle-2022-2023/>

**4.Whether Academic Calendar prepared during the year?**

**Yes**

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

[https://scmsgroup.org/sset/NAAC/AQAR\\_2023\\_24/1.1.2\\_The\\_institution\\_adheres\\_to\\_the\\_academic\\_calendar.pdf](https://scmsgroup.org/sset/NAAC/AQAR_2023_24/1.1.2_The_institution_adheres_to_the_academic_calendar.pdf)

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>B+</b>	<b>2.67</b>	<b>2015</b>	<b>05/11/2019</b>	<b>04/12/2021</b>
<b>Cycle 2</b>	<b>B+</b>	<b>2.75</b>	<b>2022</b>	<b>15/11/2022</b>	<b>14/11/2027</b>
<b>Cycle 2</b>	<b>B++</b>	<b>2.95</b>	<b>2024</b>	<b>29/08/2024</b>	<b>28/08/2029</b>

**6.Date of Establishment of IQAC**

**14/10/2016**

**7.Provide the list of funds by Central / State Government**

**UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Ratish Menon	APJKTU CERD Research Seed Money Scheme	APJKTU	2024	139000
Dr. Nithya Mohan	APJKTU CERD Research Seed Money Scheme	APJKTU	2024	60000
Mr. Deeraj A D	APJKTU CERD Research Seed Money Scheme	APJKTU	2024	46000
Ms. Mary Catherine	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	40000
Dr. Lakshmi Priya	APJKTU Student project	APJKTU	2024	26000
Ms. Neethu Krishna	APJKTU CERD Research Seed Money Scheme	APJKTU	2024	23000
Dr. Vidya Chandran	APJKTU Student project	APJKTU	2024	18000
Ms. Binu John	APJKTU CERD Research Seed Money Scheme	APJKTU	2024	8900
Dr. Rahul R Pai	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	57500
Dr. Gibin George	SRI Scheme	ANERT	2023	55300

Dr. Praseeja A V	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	110000
Ms. Merin Mathew	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	127500
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Dr. Geethu R	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	50000
Dr. Jayadevan P.C	APJKTU CERD Research Seed Money Scheme	APJKTU	2023	40000
Dr. Sunny George and Dr. Ratish Menon	Research project	Groundwater Department, Govt of Kerala.	2023	756000

**8. Whether composition of IQAC as per latest NAAC guidelines** Yes

- Upload latest notification of formation of IQAC [View File](#)

**9. No. of IQAC meetings held during the year** 4

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

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

**10. Whether IQAC received funding from any of the 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)**

The IQAC facilitated aptitude and placement training courses, including industry-specific aptitude modules, soft skills workshops, mock tests, and domain-specific training, to enhance students' employability and placement readiness. It actively promoted a culture of research and academic excellence by encouraging faculty members and students to publish their work in reputed journals and conferences, while recommending well-structured incentives to recognize and reward their contributions. In alignment with the National Education Policy (NEP) guidelines emphasizing holistic development, the IQAC facilitated organizing diverse cultural programs and sports activities, yoga, meditation, and physical fitness training programs for students to promote their physical well-being, mental health, and overall personality development. The IQAC scheduled and conducted periodic audits to monitor the progress of all departments, ensuring alignment with the plan of action and achievement of established benchmarks for quality enhancement and institutional development. The IQAC promoted green initiatives and sustainability practices, including waste management, renewable energy adoption, and awareness programs, to foster environmental responsibility and contribute to societal development.

**12. Plan of action chalked out by the IQAC in 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
<p data-bbox="113 237 746 271"><b>Aptitude and Placement Training</b></p>	<p data-bbox="799 237 1452 1106">The Institute implemented several initiatives to enhance placement readiness, including targeted Aptitude Training Programs(Konfidence Group) and online training for competitive examinations and higher studies(GATE, GRE etc), career guidance talks, sessions on Higher Studies Opportunities Abroad etc. Additionally, online interactive sessions were conducted to prepare students for interviews and subsequent rounds after aptitude tests. These efforts aimed at improving students' technical skills, problem-solving abilities, and soft skills helped the students procure placements and admissions for higher studies.</p>
<p data-bbox="113 1144 746 1178"><b>Paper Publications and Research</b></p>	<p data-bbox="799 1144 1452 2063">The institute encouraged and recognized the paper publications and research outputs as a part of the Plan of Action (PoA) which fostered a culture of academic research and innovation. Faculty and students were supported in publishing their work in reputable journals and conferences, contributing to the institution's research profile. Regular incentives were provided to motivate and reward significant research achievements, thereby enhancing the institution's overall academic and research standards. The sustained measures taken have shown results in the form of enhanced number of publications in indexed journals, filing of patents and</p>

	increased research grants.
Yoga and Physical Fitness	IQAC initiated a number of training programs aimed at the holistic development of students like Yoga training, fitness programs and health and hygiene etc in alignment with NEP. These programs have significantly enhanced the students' physical and mental well-being, improved focus and discipline, and has led the development of a balanced lifestyle.
Techno and Extracurricular Activities	The institute organizes a number of Techno and extracurricular activities like our Flagship event Pradeep P Thevanoor Hackathon, annual arts festival, annual sports festival every year. In addition IQAC actively supports the conduct of various activities like quizzes, literature competitions, poster making events, training programs etc under the aegis of various clubs.
Periodic Audits	IQAC conducts periodic audits twice a year to ensure continuous quality enhancement and adherence to institutional standards. The outcomes of periodic audits by IQAC include improved institutional efficiency, enhanced quality of academic and administrative processes, identification of gaps for corrective actions, and fostering a culture of accountability and continuous improvement.
Green initiatives and sustainability practices for societal development	IQAC spearheads the green initiatives and sustainability practices that aim to promote

	<p>environmental stewardship, reduce the ecological footprint, and foster societal development by encouraging renewable energy use, waste reduction, water conservation, biodiversity preservation, and sustainable community engagement. The various bodies like National Service Scheme(NSS), SCMS Water Institute(SWI) and SCMS Institute for Road Safety and Transport. (SiRST) helps in implementing these practices both at Institutional and community levels.</p>
<p>Indian Knowledge Systems(IKS)</p>	<p>The IQAC conducts activities aimed at promoting Indian Knowledge Systems, including workshops, seminars, and research initiatives that integrate traditional Indian wisdom with modern academic and professional practices.</p>

**13. Whether the AQAR was placed before statutory body?** **Yes**

- Name of the statutory body

Name	Date of meeting(s)
SCMS Board of Management	Nil

**14. Whether institutional data submitted to AISHE**



## Part A

### Data of the Institution

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<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
<b>SCMS Board of Management</b>	<b>Nil</b>
<b>14.Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
<b>2024</b>	<b>03/04/2024</b>



## 15. Multidisciplinary / interdisciplinary

SCMS Water Institute (SWI) SCMS Water Institute (SWI) was established in 2010 as part of a Memorandum of Understanding between University of Applied Sciences Ravensburg-Weingarten, Germany and SCMS Group of Educational Institutions to address the water related environmental problems affecting the society. SWI holds MoU's with many German companies working on water and waste water as well as with German Universities for Institutional strengthening, joint research for faculty and student exchange. Following are the collaborators who support SWI's vision to develop into a centre of excellence, ? University of Applied Sciences Ravensburg-Weingarten, Germany ? Sewerin GmbH, Germany ? NIVUS GmbH, Germany ? Kochi Metro Rail Limited (KMRL) SWI acts as a Centre of Excellence in water and provides enormous opportunities for the students of SSET to get involved in service learning, where the technological talents of students get upgraded by addressing the real time problems faced by the society. This helps to fill the common lacuna which used to appear in engineering education. It is an excellent platform for technological students to understand true field-level challenges while implementing engineering principles and tackling them skilfully, as SWI provides opportunities for students to apply what they learn in the classroom to the field. Empowering Government Administrative Channels: SWI assists local governments in resolving water-related issues and has significantly improved the mechanism that delivers public services. It provides continued support to Kochi Municipal Corporation, Thrissur Municipal Corporation, Guruvayur Municipality, Meloor Grama Panchayath, Koratty Grama Panchayath, Kochi Metro Rail Ltd (KMRL), Cochin International Airport Ltd (CIAL) and various academic institutions in Kerala to address their environmental challenges. SWI Expertise and Projects: SWI has expertise on the areas like water quality monitoring & assessment, environmental modelling, water auditing, remote sensing & geographic information systems, policy development, eco restoration & watershed management, design of water & waste water treatment units, rainwater harvesting, water distribution network analysis, storm water management. SCMS Water Institute, with a team of highly qualified and experienced professionals, tackles a wide range of urban water management issues through multidisciplinary efforts. Some of the projects undertaken include: Water Audit & Rain Water Harvesting Feasibility Assessment for KMRL. Leak Detection for CIAL, Kochi. Study on urban flooding in Thrissur Municipal Corporation. City Water Audit for Guruvayoor Municipality. Development of Flood Preparedness, Response Plan

and background study for developing a Water Management Plan for Meloor Grama Panchayath. Survey of Thevara Perandoor Canal, Kochi Municipal Corporation. City Water Audit and Water Policy formulation for Kochi Municipal Corporation. Water quality analysis & Water Quality Atlas for Koratty Grama Panchayath. Green and Water audit for Educational Institutions and Apartment Complexes. Abatement of Pollution of Rivers in Kerala - Kadambrayar and Kecheri. Ground Water Mapping of Irinjalakuda Constituency. Projects Underway include: Development of a Water Management Plan for Koratty Grama Panchayat Smart KWA Network (Kochi water Information system) Storm Water Management for Kalamassery Municipal Area Eco restoration of Bodi North Hills, Tamil Nadu SCMS Institute for Road Safety and Transportation (SiRST) SiRST SCMS Institute for Road Safety and Transportation (SiRST) is a Centre of Excellence in road safety and transportation innovation that combines the energy of youth, the strength gained through experience, and the depth of technical knowledge to ensure ecological balance through green mobility, enabling a safe, seamless, and sustainable travel experience. SiRST is committed to ? Be an intellectual centre for safe transport, driving academy. ? Supporting Government and Non-Government organizations in road safety, transport innovation and coordination, green mobility, technical problem-solving, law and policy making. ? Bridge all technical gaps related to the road. ? Combining the innovative intellectual ideas as well as synergy of students along with the experience and technical know-how of faculty for social good. The Practice ? Projects to make students know about technological-legal-social awareness in road safety and transport and prepare students for various competitive examinations. ? Research on causes of accidents and its solutions. ? Research in vehicle safety, educational programs like Know Your Vehicle and Know Your Road. ? Programs to introduce technological changes in the field of transportation happening at the international level in our state. ? Awareness programs on various aspects of road safety and transportation. ? Various certificate courses in transportation planning, designing, traffic engineering, traffic management etc. Evidence of Success ? More than 40 Road Safety Awareness sessions were organized by SiRST during the period. ? Programs like Behavioral Aspects of Driving, Capacity Building Program to Driving School Instructors, Road Etiquette for college bus drivers organized. ? Competitive exam training taken as AMVI Training Program - Motor Vehicle Rules. ? Driver Counselling Centre - Crash Prevention Course (CPC) had organized more than 20 sessions. ? PACE, sessions at various campuses to impart the importance of safe driving among college students. ? Various Departments have

collaborated with SiRST for conducting Road surveys, developing a Buddy App and organizing Know Your Vehicle programs for the general public.

#### **16.Academic bank of credits (ABC):**

As of now, the Academic Bank of Credit system is not integrated into the curriculum and we do not have an option for a credit bank. But the students have an option of gaining credit and additional credit points within the curriculum. Students pursuing a B.Tech degree can earn a total of 160 credits under the 2019 curriculum. In addition, 2 credits can be earned as part of the mandatory activity points. An additional 20 credits each can be obtained by choosing honors and minors during their graduation, which they can opt from a list of departmental or non-departmental electives as prescribed by the university. Out of the 20 credits, they are liable to account for 8 credits through MOOC courses such as NPTEL, Coursera, and SWAYAM. Apart from their main stream of education, knowledge imbibed through the honors program and minors enriches their employability skills.

#### **17.Skill development:**

The Institution devotes much of its time to render value education to students through various courses like Life skills, Professional Ethics and Constitution of India. Environmental sustainability education is also offered by the institution, which helps prepare students to create an awareness of ecological balance without depleting natural resources. The courses like Introduction to Sustainable Engineering, Environment and Pollution, Air Quality Management, Environmental Engineering I, Environment Impact Assessment, Environmental Engineering II, Municipal solid waste management, Disaster Management, Environment Impact Assessment, Sustainable Engineering, Disaster Management helps students to think about social and environmental problems enabling them to work to preserve the environment and modify behaviour to accomplish a sustainable world. The course Life skills enables students to learn competencies related to mind and people that provide the means for an individual to be resourceful and positive while taking life's vicissitudes and Professional Ethics is a study of ethical principles and of ethical problems in personal and professional life. Constitution of India focuses on the themes of Human Values and Ethics, it teaches general awareness about the Union and State, Public Services and Administrative Tribunals imparting Human values in the budding professionals. In addition, SCMS School of Engineering and Technology has a MoU with Additional Skill

Acquisition Programme Kerala (ASAP Kerala), for providing industry relevant, higher order skills to our students through both online and offline modes.

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

As a university affiliate, we are obliged to strictly adhere to the curriculum's norms and regulations. University exams and the assessment procedures for students are in English. So, a mixed approach of both English and vernacular language is feasible for teaching and learning process only. As our faculty members are from Kerala, students benefit more from the process of learning and doubt clearance sessions in vernacular language, if required. Apart from classroom learning, online education also allows them to expand their knowledge in both languages. Teachers have already engaged themselves in contributing to translate NPTEL courses and textbooks into the regional Malayalam language, which imparts more subject knowledge to students. The combination of both languages enables students to comprehend their subject knowledge with the assistance of teachers.

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

Outcome Based Education (OBE) framework is used to fix the outcomes expected from students at the end of the programme and also in their career. Ways and means for attaining these outcomes are devised by the institution & departments. Through a process of predefined evaluation, feedback, corrective measures, and continuous improvement, we optimize the student-centric teaching learning process. Our initiatives align with NEP and OBE frameworks, which encourage students to be productive and contribute to nation building through their own innovations and contributions. Since SCMS School of Engineering and Technology is an affiliate to Kerala Technological University (KTU), it's a tier-II institution under the OBE framework of NBA. We adhere to the OBE framework, by evaluating both quantitatively and qualitatively the different predetermined outcomes such as course outcomes, programme outcomes and programme specific outcomes throughout the entire process. To establish the correlation between a CO to certain - POs and PSOs, the degree of closeness of each CO towards those POs and PSOs are identified. NEP enhances the educational system to recognize, identify and foster individual students to mould them with required skill sets. We maximize curriculum flexibility by allowing students to choose minor programs as envisioned by the university guidelines.

**20.Distance education/online education:**

SSET uses digital learning resources, both textual and visual, for the delivery of course contents. Previously all faculty members used to create a Google Classroom for all the courses handled by them. The Google classroom code of the courses are communicated to the students through their timetable. This enabled the students to easily access all learning resources, both textual and visual. Currently all learning resources are uploaded to LMS software, Linways. The Faculty module of Linways is used for managing entire academic activities like attendance, assignments, exams, distributing course materials, conducting online quizzes etc. The software also analyzes and generates reports of all activities. It also generates a course file which includes all details of activities done by a faculty for a particular batch, this report has a vital role in auditing purposes.

**Extended Profile****1.Programme**

1.1	563
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**

2.1	1696
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	269
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	381
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	135
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	135
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	65
Total number of Classrooms and Seminar halls	
4.2	635.54
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	603
Total number of computers on campus for academic purposes	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<b>Curriculum Planning Process:</b>	

- SCMS School of Engineering and Technology (SSET) adheres to the course requirements and syllabus set forth by APJ Abdul Kalam Technological University.
- Department Program Assessment Committee (PAC) addresses curriculum gaps through a semester-wise Plan of Action (POA). The Value-Added/Add-on Courses are then approved by the Curriculum Development Committee.
- The Course Information Sheets, which includes the curriculum, textbooks, CO-PO mapping, course plan, and evaluation tools, are created by course advisers.

Effective Curriculum Delivery Mechanism:

- Allocation of courses to faculty are based on their preferences and specializations.
- Timetable Committee designed timetables for common courses, which are further refined by departmental Timetable Coordinators. The timetable is uploaded in the LMS with provisions for class substitution and attendance entry by course advisors.
- Blended teaching methods are incorporated along with conventional and ICT-based strategies for optimal content delivery.

Meticulous Documentation of Curriculum Delivery:

- Course files and Course Diaries serve as comprehensive records, which document course plans, course conduct, attendance, CO-PO attainment records, assessments, remedial measures, and result analyses.
- Documentation is ascertained by regular audits by internal and external audit team.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/1.1.1_Effective_%20curriculum_%20planning_and_delivery.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/1.1.1_Effective_%20curriculum_%20planning_and_delivery.pdf</a>

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

#### Formulation of the Academic Calendar:

- KTU releases an academic calendar for each academic year. The calendar encompasses critical dates including course timelines, holidays, registration periods, exam schedules, and co-curricular events
- The academic council at SSET finalizes the institute's academic calendar in alignment with KTU's schedule.
- Adherence to academic calendar are monitored during the regular HoD meetings

#### Conduct of Continuous Internal Evaluation

- Continuous internal evaluation includes two internal assessment exams conducted at the institutional level by Institute Exam Cell. Question paper framing and scrutiny is done at the department level by course advisor and subject experts respectively and submitted to the exam cell.
- Exam Cell publishes exam schedule and invigilation duty list. Exam cell conducts the exam as per the published exam schedule and answer copy evaluation is completed in a time bound manner and returned to the students.
- End-semester KTU exams are also conducted by Exam Cell under the supervision of KTU. For the KTU end-semester exam the Exam cell publishes the invigilation duty schedule, plans seating arrangement, downloads and prints question papers and upload the absentees list and Malpractice in KTU portal.



- IQAC conducts internal audit and KTU conducts external audit of all the exam cell processes and documents.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/1.1.2_The_institution_adheres_to_the_academic_calendar.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/1.1.2_The_institution_adheres_to_the_academic_calendar.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **1.2 - Academic Flexibility**

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

**11**

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

22

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

215

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

**Integration of Crosscutting Issues involving Ethics, Gender Sensitivity, Human Values, and Sustainability in Curriculum evidenced as below:**

**Professional Ethics:**

- Every program curriculum of the institution has a mandatory course on Professional ethics.
- Special sessions on topics related to Intellectual property rights and copyright issues are conducted.

#### Gender Integration:

- 57% of students and 68 % of staff are women, demonstrating a balanced representation.
- Women's Cell and NSS activities sensitize the student community to gender issues, promoting awareness and inclusivity.
- Consideration for student menstrual leave reflects the institution's commitment to gender-specific needs.

#### Human Values:

- A Mandatory foundational course on Universal Human Values, as part of first year curriculum, imparts the significance of ethical conduct.
- NSS activities like old age home visits and orphanage visits and the group activities of H2O helps students in adopting a life based on Universal human values.

#### Environment and Sustainability:

- A Mandatory course in Sustainability instils awareness of environmental concerns and sustainable practices in engineering solutions.
- Designated parking spaces for electric vehicles reflect the institution's commitment towards carbon free campus.
- The SCMS Water Institution addresses water management and environmental concerns in collaboration with the Kerala government, contributing to sustainability efforts in the state.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

65

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

853

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

### 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

A. All of the above

<b>from the following stakeholders Students Teachers Employers Alumni</b>	
File Description	Documents
URL for stakeholder feedback report	<a href="https://scmsgroup.org/sset/feedback_report/">https://scmsgroup.org/sset/feedback_report/</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://scmsgroup.org/sset/feedback_report/">https://scmsgroup.org/sset/feedback_report/</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
<b>559</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	

225

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Students are classified based on their performance in the Continuous Internal Assessments and end-semester examinations.

### Advanced learners

- Bright students are motivated and given guidance to improve their CGPA. Toppers from each class are awarded with prize in a public meeting.
- Advanced learners are motivated and guided to present papers in seminars and conferences, Participate in technical fests/ quiz/ research level projects, and get involved in R&D activities of the institution.
- Bright students are motivated to participate in competitive exams such as GATE

### Slow Learners.

- Students with academic performance lesser than 45% are identified as weak students. They are monitored and mentored to improve their academics.
- The faculty gives slow learners personal attention.
- The faculty advisors and subject teachers provide slow learners and students at risk of dropping out psychological Support and counseling when the situation demands the same.
- Remedial classes are conducted.
- Peer partnership is also practiced.
- Parents are kept updated on wards' performance
- Representatives from weak students are included in the class committee to share their opinions.
- Study materials and question banks are prepared to improve their academic performance

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/2.2.1upload.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/2.2.1upload.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1696	135

File Description	Documents
Any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The institution employs several innovative teaching methods to enhance student learning:

1. **Work-Based Learning:** Students are provided with real-life experiences to develop both academic and technical skills, bridging the gap between theory and practice.
2. **Innovations in Instructional Delivery:** Faculty use working models to visually demonstrate concepts, making learning more interactive and effective.
3. **Peer Learning:** To foster collaborative learning, group assignments and discussions are conducted. These activities help students develop peer support, teamwork, and communication skills.
4. **Online Courses:** Resources such as NPTEL videos, MOOCs, and webinar sessions are made available to promote progressive and self-paced learning.
5. **Site Visits:** Students are given opportunities to collaborate with industries, gaining technical knowledge through hands-on, experiential learning.
6. **Google Classrooms:** Faculty utilize Google Classroom to share notes, assignments, and question banks. Students can access, download, and use these resources conveniently.
7. **Kinesthetic Learning:** Students create posters and models on subject-related topics. Faculty address learning gaps

identified through these activities.

8. **Inquiry-Based Learning:** Faculty encourage students to undertake case studies and address them using evidence-based approaches, fostering critical thinking.
9. **Competency-Based Learning:** Students participate in quizzes or complete small projects to reinforce subject understanding and build practical skills.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/2.3.1%20upload.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/2.3.1%20upload.pdf</a>

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute encourages faculty to use ICT enabled tools for the best outcome of the Teaching-Learning process. Access of course materials: The educators are encouraged to provide the course materials in the form of pdfs, videos etc through cloud platforms like Google Classroom and Learning Management System (<https://sset.linways.com/>). This enhances the availability of the materials and students can learn at their own space and pace.

Online digital repositories The SSET library named as Dr. Pradeep P. Thevannoor Learning Resource Centre ([https://www.scmsgroup.org/sset/ppt\\_learning\\_center](https://www.scmsgroup.org/sset/ppt_learning_center)) is one of the best self-financing engineering college libraries in Kerala, offering 15 high- end systems to access e-Resources. Students and faculty members can access these resources through linways portal. The entire listing of the e-Resources is available at the link [https://scmsgroup.org/sset/e\\_Resources](https://scmsgroup.org/sset/e_Resources) Online/cloud based academic management systems. The campus management system <https://sset.linways.com/> is a full-fledged system with facility to share learning materials with students and also to receive the assignment works from the students. Teachers use tools such as Google Forms, Classroom, Kahoot, Mentimeter and Google Colab for interactive project-based learning. Making use of computers, projector devices etc. Teachers use internet-enabled computer laboratories for interactive quizzes and hands-on sessions, projector devices for visual communication, and seminar halls for knowledge sharing.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

132

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

135

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

##### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

42

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

1146

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The evaluation reforms of the university are followed strictly by faculty and monitored by Principal. At the beginning of semester, faculty members prepare the courseplan which includes internal evaluation components for each course. Details of assessments like assignments, classtests, internal exam etc. are included in course plan and suitable rubrics are planned for evaluation. Academic schedule is published at the beginning of the semester and internal examinations are conducted under the supervision of a senior faculty in charge. After evaluating each assessment, hard copies of the scripts are returned to the students and evaluation marks are visible in Linways portal (LMS). Attendance is displayed on notice boards and LMS regularly. The Institute conducts two internal tests per semester as per the regulations of University. A question paper scrutinizing committee is formed at the commencement of the semester, and the question paper, scheme and evaluation key are prepared by the subject faculty in-charges.

Question paper cognitive level is determined by the committee, and the paper will be accepted if the level is 100 or above. If quality of the question paper is not satisfactory, the committee gives it for re-work and the corrected question paper is verified by the course chairman.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The institution addresses examination-related grievances with utmost care, ensuring a transparent and efficient process. Internal assessments are conducted systematically, comprising components such as written tests, assignments, and attendance. Students are informed of the number and weightage of these components at the semester's start, ensuring clarity. Answer scripts from internal tests are evaluated promptly and returned to students, fostering accountability.

Upon completion of the Continuous Internal Evaluation (CIE), compiled internal marks for all courses are displayed on notice boards. A minimum notice period allows students to raise any grievances before the finalization and upload of marks to the university portal. This period ensures adequate time for redressal. Progress reports are shared with parents via the Linways Management System (LMS), keeping them informed about their ward's academic performance.

The Examination Cell manages university exams and resolves issues like out-of-syllabus questions or printing errors. Grievances regarding internal exams are first addressed by the respective faculty; if unresolved, students can escalate them to the Disciplinary Action Committee. The institution adopts a student-centric approach, ensuring academic integrity and fairness. This structured grievance redressal system operates across all levels, effectively handling concerns and maintaining transparency in the process.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

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

The Program Outcomes, as defined by the National Board of Accreditation (NBA), have been adopted and are common to all undergraduate programs. In the 2019 curriculum, the university provided and stated the Course Outcomes. Any modifications to the Course Outcomes were defined by the faculty within the institution and subsequently vetted and approved in Program Assessment Committee meetings. Each department has clearly defined Program Educational Objectives, Program Specific Outcomes, Program Outcomes, and Course Outcomes. These are disseminated through various channels, including the institution's website, department notice boards, HOD rooms, laboratories, classrooms, corridors, faculty cabins, and course plans.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/PO-PSO-CO-.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/PO-PSO-CO-.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Course outcomes are defined at the start of the Academic Year and are reviewed by the Programme Assessment Committee (PAC). From the 2019 scheme of B.Tech degree, Course Outcomes are mapped to the Program Outcomes (POs) and Program Specific Outcomes (PSOs). are provided by the affiliating university. COs are assessed through various assessment methods, such as internal exams, assignments, class tests, rubrics, and selected topic presentations. The end-semester examination (ESE) is conducted by the affiliating university common to all the affiliating institutes, and the final marks awarded for a course are out of 150 out of which 100 marks

are from the ESE and 50 marks from internal assessment. The CO attainment is calculated from the course exit survey, and the PO attainment of all the courses for a graduating batch is consolidated for the calculation of overall PO/PSO attainment at the program level. Program level PO/PSO attainment through indirect method is calculated as the average of the attainment obtained through various surveys and Co-Curricular and extracurricular activities. Finally, the overall PO/PSO attainment at the program level is calculated as the weighted sum of 80% direct PO attainment and 20% indirect PO attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

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

330

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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://scmsgroup.org/sset/NAAC/AQAR\\_2023\\_24/SSSreport23-24.pdf](https://scmsgroup.org/sset/NAAC/AQAR_2023_24/SSSreport23-24.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research

**projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****16.73**

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)****3.1.2.1 - Number of teachers recognized as research guides****17**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****7**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<b>Nil</b>

## 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Creating an Ecosystem for Innovation and Knowledge Transfer at SSET focuses on cultivating an entrepreneurial and innovative culture through various initiatives and rewards, primarily aimed at students and faculty.

### Innovative Culture Initiatives:

- The Centre for Robotics, FAB Lab, and IoT Lab are designed to foster a culture of developing technologies and products using multidisciplinary engineering principles.
- SSET hosts the Dr. Pradeep P. Thevannoor Innovation Awards (PPTIA), attracting student participation from around Kerala.

### Faculty Recognition and Incentives:

- Faculty members receive research incentives based on their projects and publications, which boosts morale, productivity, and further strengthens the culture of innovation.

### Entrepreneurial Culture:

- The Institute IEDC Cell organizes seminars, workshops, hackathons, and idea-pitching competitions to nurture a start-up culture among students.

### Online Learning Culture:

- Online courses from platforms like NPTEL, Coursera, and edX help shape a new learning culture, enhancing students' subject knowledge.
- Feedback from faculty and students highlights praise for the innovative culture, with some suggestions to focus on enhancing quality over quantity.

**Sponsored and Funded Live Projects:**

- SSET is engaged in sponsored and funded projects by government and private agencies, including NPOL, ANERT, KTU, KSCSTE, and SERB-DST. These collaborations highlight the institution's commitment to addressing real-world technical challenges.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year****3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

7

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.3 - Research Publications and Awards****3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

13



File Description	Documents
URL to the research page on HEI website	<a href="https://scmsgroup.org/sset/research-cell/#Robotics">https://scmsgroup.org/sset/research-cell/#Robotics</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

#### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

41

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

#### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

32

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

SSET is dedicated to fostering a strong institute-neighbourhood-community network, aimed at instilling a sense of active

citizenship and social responsibility in both students and faculty. Moreover, SSET actively supports initiatives raising awareness among students about the importance of social, economic, and environmental sustainability

**National Service Scheme (NSS):**The NSS Unit at SSET currently operates with two units, 182 and 584, consisting of 200 members. The motto of our NSS unit is "Personality Development through Community Service." The units have formed partnerships with the Motor Vehicle Department of the Government of Kerala, Suchitwa Mission (Government of India), and other organizations to support initiatives aimed at protecting the environment and promoting safety.

- **Campus Activities:** These include awareness programs, health and hygiene initiatives, blood donation camps, personality development workshops, team-building exercises, organic farming, and more.
- **Community Activities:** These involve road safety awareness, blood donation drives, waste management campaigns, health surveys and camps, cleanliness drives, kit distributions, energy conservation programs, tribal education efforts, afforestation projects, and raising awareness about elder and child abuse.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### **3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

#### **3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

5

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

**171**

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**600**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

<b>3.5 - Collaboration</b>	
<b>3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year</b>	
<b>3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year</b>	
32	
<b>File Description</b>	<b>Documents</b>
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>
<b>3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year</b>	
<b>3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year</b>	
13	
<b>File Description</b>	<b>Documents</b>
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>
<b>INFRASTRUCTURE AND LEARNING RESOURCES</b>	
<b>4.1 - Physical Facilities</b>	
4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.	
SSET has an excellent infrastructure and physical facilities to supporting academic purposes. Resource requirements such as staff, library books, computers, and laboratory equipment were planned	

and allocated according to AICTE and University norms. The centrally controlled maintenance department takes care of the resources needed to maintain academic and physical support. The annual budget is allocated to maintain physical and academic facilities.

**Campus:** The SSET campus is spread over 21 acres with a built-up area of 37972.66 sq. meters.

#### **Classrooms and Seminar Halls:**

Well-furnished and neat classrooms and seminar halls are provided. A total of 60 ICT-enabled Classrooms and 5 ICT-enabled Seminar Halls are available.

#### **Laboratories:**

- 41 laboratories equipped with an adequate number of machines and computing equipment are arranged for various courses.
- The Institution has 802 Computers, 603 of which are used for academic purposes. In-house staff handles maintenance, and software and hardware upgrades are conducted regularly.
- The Centre for Robotics houses a Fab lab, a Robotics lab, and an IoT lab for innovative projects.
- Mike Computational Lab provided by Danish Hydraulic Institute, Denmark is available for water modelling research.
- SSET has its own indigenously developed language training module for the benefit of students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.1%20Infrastructure%20and%20Physical%20facilites%20for%20Teaching-Learning.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.1%20Infrastructure%20and%20Physical%20facilites%20for%20Teaching-Learning.pdf</a>

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

SSET provides facilities to promote sports, games (indoor and outdoor), and cultural activities for students and staff. The Physical Education Director looks after all the institution's sports and games activities.

Facility

Area

Remarks

Indoor badminton courts- 4 nos

6.1m x 13.4m

rubber mats are also used for kabbadi practice

Outdoor badminton courts- 4 nos

6.1m x 13.4m

2 Nos. -girl's hostel and 2 Nos. behind AC Block-1

Table tennis board- 3 nos

1.5m x 2.7 m

1 at the lady's hostel, 2 in the Health club.

Basketball court

15.2m x 28.7m

Cricket practice net- 1

22m x 5m net

Cricket practice coir mat- 1

33x8 feet

Outdoor volleyball court

18m x 9m

Mud floor.

Football ground

60m x 40m

9's ground is located within 1 km from the campus.

Health club

25 m x 12 m

Moderately equipped

Kho Kho court

27 m x16 m

Yoga Centre and Gymnasium:

- Located on the ground floor of the administrative block separate timings for boys and girls.

Auditorium and Amphitheatre:

- SSET has an impressive auditorium with a seating capacity of 2500, covering an area of 1550 square meters.
- Additionally, an open-air amphitheater, spanning an area of 705 square meters.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.2%20Facilities_Sports,Games%20and%20Cultural%20Activities.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.2%20Facilities_Sports,Games%20and%20Cultural%20Activities.pdf</a>

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

65

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.3%20Classroom%20and%20seminar%20hall%20with%20ICT,%20smart%20class,%20and%20LMS.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.1.3%20Classroom%20and%20seminar%20hall%20with%20ICT,%20smart%20class,%20and%20LMS.pdf</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

118.67

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>



## 4.2 - Library as a Learning Resource

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

- Name of ILMS software : Linways Library Module
- Nature of automation (fully or partially) : Fully
- Version : 3.4.0
- Year of Automation : 2015 (Ecoleaide software)

2020 (Linways AMS)

The Central Library spans a carpet area of 2309 m<sup>2</sup>, with 1200 m<sup>2</sup> designated as a reading space that accommodates 190 users. It operates for 12 hours on working days and 7 hours on Saturdays and during vacations. The library houses 38,080 volumes of printed books and 130 periodicals. All functions are automated using the Linways Library Management System (Version 3.4.0).

Key services include automated book check-in/check-out, an Online Public Access Catalog (OPAC) for searching books, and access to subscribed e-resources. Users can also access digital content, including past question papers, syllabi, and other academic materials via the 'Digital Library' link. The library provides access to a wide range of online resources like IEEE, ASME, ASCE, J-Gate, EBSCO EBooks, DELNET, NPTEL, NDL, SSET-NDLI Club, SWAYAM, and MIT Open Courseware. These resources are available through a single window on the library's LMS, with remote access enabled via the Knimbus Digital Library Platform for students and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.2.1%20Library%20Automation,%20ILMS%20-Linways%202023-24.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.2.1%20Library%20Automation,%20ILMS%20-Linways%202023-24.pdf</a>

<b>4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources</b>	<b>A. Any 4 or more of the above</b>								
<table border="1"> <thead> <tr> <th data-bbox="86 360 539 421">File Description</th> <th data-bbox="539 360 1445 421">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 421 539 524">Upload any additional information</td> <td data-bbox="539 421 1445 524" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 524 539 707">Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)</td> <td data-bbox="539 524 1445 707" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Upload any additional information	<a href="#">View File</a>	Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>			
File Description	Documents								
Upload any additional information	<a href="#">View File</a>								
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>								
<b>4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)</b>									
<b>4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>									
<b>26.25</b>									
<table border="1"> <thead> <tr> <th data-bbox="86 1032 539 1093">File Description</th> <th data-bbox="539 1032 1445 1093">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1093 539 1155">Any additional information</td> <td data-bbox="539 1093 1445 1155" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 1155 539 1218">Audited statements of accounts</td> <td data-bbox="539 1155 1445 1218" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 1218 539 1402">Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)</td> <td data-bbox="539 1218 1445 1402" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Any additional information	<a href="#">View File</a>	Audited statements of accounts	<a href="#">View File</a>	Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>	
File Description	Documents								
Any additional information	<a href="#">View File</a>								
Audited statements of accounts	<a href="#">View File</a>								
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>								
<b>4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)</b>									
<b>4.2.4.1 - Number of teachers and students using library per day over last one year</b>									
<b>555</b>									
<table border="1"> <thead> <tr> <th data-bbox="86 1693 539 1753">File Description</th> <th data-bbox="539 1693 1445 1753">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1753 539 1805">Any additional information</td> <td data-bbox="539 1753 1445 1805" style="text-align: center;"><b>No File Uploaded</b></td> </tr> <tr> <td data-bbox="86 1805 539 1906">Details of library usage by teachers and students</td> <td data-bbox="539 1805 1445 1906" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Any additional information	<b>No File Uploaded</b>	Details of library usage by teachers and students	<a href="#">View File</a>			
File Description	Documents								
Any additional information	<b>No File Uploaded</b>								
Details of library usage by teachers and students	<a href="#">View File</a>								
<b>4.3 - IT Infrastructure</b>									
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi									

SSET continually upgrades its IT facilities, ensuring robust connectivity and resources. The campus boasts an internet bandwidth of 700 Mbps, supported by a 200 Mbps backup leased line. Wi-Fi is available across the campus, including hostels, with 48 access points.

The institution subscribes to key software such as Microsoft campus licenses, SAP, Ansys-15, MATLAB, and Turnitin, while also promoting the use of Open Access software.

SSET has 802 computers, 603 of which are dedicated to academic use, maintaining a student-computer ratio of 2.81:1. The campus includes 9 computer labs, 33 printers, 4 scanners, and 2 reprographic machines. Furthermore, 60 classrooms are equipped with wall-mounted LCD projectors. The seminar halls feature advanced technology, including a Newline Interactive Display RS86+ for video conferencing and a conference hall with a large LED wall.

The campus network is secured with a firewall, and both the campus and hostels are Wi-Fi enabled. SSET enforces a strong IT policy that ensures the use of licensed software and promotes open-source alternatives. Biometric devices track staff attendance, and the Learning Management System (Linways AMS) manages academic functions efficiently across the campus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.3.1%20IT%20Infrastructure-%20WiFi,Computers,Licence,Photos.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/4.3.1%20IT%20Infrastructure-%20WiFi,Computers,Licence,Photos.pdf</a>

#### 4.3.2 - Number of Computers

603

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in

A. ? 50MBPS

the Institution	
File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)</b>	
<b>4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)</b>	
<b>208.76</b>	
File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.	
<p>The Institution has an excellent infrastructure with well-defined guidelines for maintaining and utilizing physical, academic and support facilities. The upkeep and maintenance of physical and support facilities are ensured by Maintenance department. Regular suggestions are being taken from faculty and staff which is reviewed periodically. There is a provision for students to raise such grievances through grievance cell as well. Budget is allotted annually for maintaining physical and academic support facilities. The infrastructure planning and upgrading invariably takes into consideration the priorities and requirements of various departments. Learning resources like library books, journals, computers and laboratory equipment are planned and procured as per AICTE/KTU norms. Neat and clean classrooms are allotted for every batch. Every lab is assigned with a faculty-in-charge and a lab</p>	

staff-in-charge. Lab staff-in charge is responsible for proper upkeep of stock on a day-to-day basis. Stock verification is done by this team at the end of every semester as well when there is a change of person-in-charge. Minor repairs if any during the course of semester are done by using the facilities and expertise available within the campus. For major urgent repairs the same is brought to notice of Purchase Manager, which is dealt with immediately.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/4.4.2%20Maintenance%20and%20utilization%20of%20physical,academic%20support%20Facilities.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/4.4.2%20Maintenance%20and%20utilization%20of%20physical,academic%20support%20Facilities.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

143

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

<b>1200</b>	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<a href="https://scmsgroup.org/sset/aqar-2023-2024/">https://scmsgroup.org/sset/aqar-2023-2024/</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1508</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1508</b>	
File Description	Documents
Any additional information	<b>No File Uploaded</b>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

<p><b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</b></p>	<p><b>A. All of the above</b></p>
--	-----------------------------------

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

211

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

29

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

15

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**5.3 - Student Participation and Activities**

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

**5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

31



File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

SCMS School of Engineering and Technology (SSET) support the students to actively participate in administrative, co-curricular, and extracurricular activities, to foster leadership, decision-making, and holistic development among student fraternity. Student representation through a democratically elected Student Union coordinates the activities of the students at the College and University level. Student representatives actively participate in the College Council and the Internal Quality Assurance Cell (IQAC), ensuring their voices contribute to decision-making processes and institutional quality enhancement. SSET also involves students in various academic and administrative bodies, such as the Grievance Redressal Committee, SC/ST Committee, Anti-Ragging Committee, Internal Complaints Committee, and other statutory and non-statutory committees, ensuring active participation in institutional governance and fostering an inclusive and supportive environment. The college has active student chapters of professional bodies for every department. The institute organizes and encourages participation of students in technical workshops, symposiums, IPR sessions, Entrepreneurship, skill enhancement, internship training and industrial visits. Social and community engagement is ensured through NSS units, H2O, SCMS Water Institute and SCMS Institute for Road Safety and Transport. The institute encourages and supports its students to participate in national and international sports and cultural events. Such initiatives nurture a sense of responsibility and community engagement.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

40

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

#### Formation and Structure:

Ø The SCMS Alumni Association was formally registered in 2017, with its registered office at SCMS Campus, Prathap Nagar, Muttom, Aluva.

Ø The administration is overseen by the Executive Committee comprising the President, Secretary, Treasurer, Vice President, Joint Secretary, and six members, responsible for managing the affairs of the Association.

Ø The Institution has an Alumni strength of around 5400 students, among them around 1600 students are in close association with the institution.

**National and International Presence:**

Ø The Alumni Association operates nationally and internationally, with alumni chapters in various locations.

Ø Regular alumni meets are organized in Bangalore, Chennai, Delhi, Dubai, Hyderabad, Kochi, and Mumbai, fostering connections, networking, and reuniting alumni with faculty members.

The Alumni Association maintains updated alumni data, fosters camaraderie, strengthens bonds with the alma mater, supports development through fundraising, and provides a platform for exchanging ideas on academic, cultural, and social issues through reunions.

Alumni play a crucial role in identifying the gaps in syllabus in par with the industry requirements to produce industry ready engineers. They also support the institution academically by delivering guest lectures, industrial talks, and facilitating internships and industrial visits for students.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/alumni/">https://scmsgroup.org/sset/alumni/</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**E. <1Lakhs**

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>

**GOVERNANCE, LEADERSHIP AND MANAGEMENT****6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

1. SCMS School of Engineering & Technology (SSET) always strives to excel its own achievements through disciplined and strategic plan of action. This relentless pursuit is

supported by an exceptional team of dedicated teachers and students, authorized with the freedom to innovate and excel, enabling the institute to fulfil its vision to become socially responsible techno leaders.

2. The college functions within the hierarchical structure of governance with the top management adopting a participatory approach which is democratic, collective and collaborative.
3. The college has many initiatives for fee concession, personality development, development of soft skills and placement services which are carefully curated to uplift students in need which in turn will facilitate socio-economic balance among the student community.
4. The college's commitment towards inclusivity and empowerment is evidenced through the meticulous functioning of various cells including Student grievance and Student welfare cell, Women's Forum, Anti-ragging cell, SC/ST Monitoring cell, Research & Development cell etc
5. The Internal Quality Assurance Cell (IQAC) of the college plays a pivotal role implementing the quality control measurements of the institute.
6. The management regularly reviews quality policies and makes amendments as needed to ensure they align with institutional goals and maintain high standards.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sstm/management/">https://scmsgroup.org/sstm/management/</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

SSET's leadership model exemplifies a participative and decentralized approach, encouraging teamwork, transparency and shared responsibility to achieve institutional excellence. Decentralised and participative approach is instituted through the functioning of extensive committee system which serves as the life

line for the smooth operation of organization catering to diverse areas including governance, Student welfare and faculty affairs.

**Academics:** Heads of Departments (HOD) are entrusted with administrative decision-making responsibilities for their respective departments, ensuring the smooth functioning of the institution. These decisions are made in consultation with the Principal and Deans of the institution. For institutional programs and events staff members convene to discuss, share ideas, and plan collectively. Faculty members actively participate in deciding academic activities and planning examinations, reflecting their integral role in institutional governance. The management through the Head of the Institution actively encourages and supports staff involvement in enhancing the efficiency and effectiveness of institutional processes.

**Administration:** The Principal, Deans, HOD's and staff members collaboratively define policies and procedures, establish guidelines, and frame rules and regulations related to key areas such as admissions, placements, discipline, grievance redressal, counselling, training and development, library services etc. These policies are implemented effectively to ensure the smooth and systematic functioning of the institution.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.1/6.1.2.%20Organogram.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.1/6.1.2.%20Organogram.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institution has a strategic action plan designed to provide clear guidelines for achieving its predetermined goals. Short-term goals are established at the department level, focusing on key areas such as admissions and selection, academic systems, faculty excellence, student outcomes, and institutional sustainability. The careful planning the implementation of long-term strategies has led to significant growth in academics, consultancy, research, innovation, and extension activities, which have become key focus areas driving the institution's progress.

**Key Indicators:** Affiliated with APJ Abdul Kalam Technological

University (APJAKTU), the college has consistently ranked among the top 15 institutions in semester results and in Kerala Institutional Ranking Framework (KIRF 2024). Recipient of prestigious national and international awards for innovation, SSET is the first private engineering institute in Kerala to be awarded with Fulbright specialist programme in the last 23 years. Apart from significant growth in consultancy services for local self-governments and government organizations, SSET has shown its commitment towards social responsibility and has launched an Institute for Road Safety and Transportation with a vision 'your safety is our priority'. SSET's strategy to create well-rounded professionals is further reflected in the fourteen MOUs with various industries and two patents and more than forty-one international publications.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.1/6.1.2.%20organogram.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.1/6.1.2.%20organogram.pdf</a>
Upload any additional information	No File Uploaded

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

SSET functions within a hierarchical framework and is evidenced from its organogram. At its apex is the governing council headed by the chairman, which is responsible for implementing the vision and mission, preparing annual budget, recommending new programs and participating in the appointment of key officials. The institution practices participative management which is reflected in the fact that principal is a member of the management team and forms a link between the college officials and the management. The principal being the head of the institution, is entrusted with the power to withdraw and disburse financial affairs within the institutional framework thus highlighting the participative management and decentralization of powers.

The institution is guided by a well-designed organizational structure that clearly defines roles and responsibilities at all levels ensuring smooth communication and efficient management. HOD is the connecting link between faculty members and non-teaching staff of a department and the principal and for head of the

administration couples the administrative staff with the principal. The HOD's are provided full autonomy for distributing sanctioned amount again exemplifies the participative management and decentralization approach. Principal appoints various committees and all the committees ensure student participation with their voices being fully valued and respected.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.2/6.2.2.%20Organogram.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.2/6.2.2.%20Organogram.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

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

SSET prioritizes the well-being of its teaching and non-teaching staff, offering effective welfare measures and opportunities for career development.

Travel and Child educational allowance: Travel and Child educational allowance is also credited along with the salary of SSET staffs. College bus facilities are with reduced rate for all the staffs of SSET.

**Health benefits:** Our institution has medical tie up with Apollo Hospitals and provides 10% discount for self and family members. Group Insurance policy of New India Insurance for Accident hospitalization and death of SSET staff members. Women staff members are eligible for 180 days of paid maternity leave.

#### Additional Welfare Measures

The institution provides a range of benefits to support faculty improvement including leaves for Ph.D., post-doc, course work and further opportunities like travel allowances, Employees' Provident Fund, and reservation in admissions for the eligible wards of employees. Additional benefits include incentives for research publications, financial assistance to attend/organise both national and international workshop/conference/FDP's. Faculty members are also provided with personal computers and individual cabins to ensure a comfortable and productive working environment. An annual family get-together is held on January 23rd to celebrate Founder's Day, providing faculty and staff members an opportunity to showcase their talents on stage.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

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

13

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year



**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year****34**

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year****90**

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

**6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff**

The appraisal system of SSET is a four-level process and the teaching and non-teaching staffs are required to keep a personal file having record of their academic endeavours, research publications (for faculty members) and other institutional activities on an annual basis for performance appraisal.

The four level Annual Performance Appraisal process consists of

a) Self-Assessment/Self-Appraisal (Part I): The staff members self-evaluate their performance for the appraisal year

b) HOD Appraisal (Part II): The HOD assesses the performance based on their self-appraisal and independent evaluation.

Part I and II of the Performance Appraisal and Development System (PADS) ensures a standardized and effective evaluation process. PADS for faculty members cover three main categories: (I) Teaching, Learning, and Evaluation Activities, (II) Co-curricular, Extra-curricular, and Professional Development Activities, (III) Research Activities.

c) Principal's Appraisal (Part III): The Principal/Director evaluates the performance using inputs from the self-appraisal, HOD's comments, student feedback, and contributions to service and administrative roles.

d) Corporate Office Review (Part IV): The final review is conducted by the Corporate Office/Director of SSET, ensuring an overall evaluation.

This structured, multi-level appraisal system enables a holistic assessment of staff contributions in accordance with the institutional goals and standards.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The SCMS Group has a centralized finance department that oversees the financial management of all its institutes. This department reports directly to the management. For internal control purposes, SSET maintains separate accounting records.

The institute has a robust system of internal and concurrent auditing. Internal auditors conduct regular audits of accounts and submit detailed audit reports to the management. Based on these reports, the management takes corrective and preventive measures to enhance the effectiveness of the accounting processes and operational systems.

Additionally, the institute undergoes an annual external audit conducted by a certified Chartered Accountant. During this audit, all receipts, expense bills, and payments for the financial year are thoroughly verified. Any queries raised during the audit are promptly addressed with supporting documents within the prescribed timeframe. The auditor ensures that all payments are duly authorized, and the final audit report is submitted to the management for review and further action. The institute has consistently maintained high standards of compliance, with no major audit objections raised in preceding years. The finance department upholds transparency, confidentiality, and sound governance in its fund management practices, ensuring financial integrity across all operations.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/criterion-6/6.4/6.4.2.1%20Audited%20statement.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/criterion-6/6.4/6.4.2.1%20Audited%20statement.pdf</a>
Upload any additional information	<a href="#">View File</a>

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

##### **6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

10

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution ensures adequate financial backup to seamlessly carry out all statutory and essential activities to be conducted during the academic year. The major income is derived from student fees and from various funding agencies for research and other knowledge sharing activities.

##### Budget Allocation and Adequacy:

Before the start of each financial year, the principal submits a comprehensive budget proposal to the management, incorporating recommendations from department heads and various units. The proposal takes into account several factors, including the previous year's income and expenditure, business environment, past and current challenges, funding availability, departmental expenditure forecasts, revenue projections, and capital expenditure requirements. The finalized budget allocates forecasted funds to different expenditure heads based on functionality and necessity.

##### Government Funds

The institution receives income from various state and national funding agencies to carry out research in frontier areas and organizing conferences.

##### Utilization of Allocated Funds:

A robust financial management control system is in place to ensure the effective utilization of allocated funds. Budgetary control techniques are employed to monitor expenditures, with actual spending reviewed periodically against allocated funds. Any variances are analyzed by the top management to identify underlying reasons and ensure accountability.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The plan of action outlined by the IQAC at the beginning of the academic year, aimed at enhancing quality, and the outcomes achieved are as follows:

To enhance students' soft skills and personal growth, Personality Development Programmes (PDP) were organized online for students across all departments through external agencies. Other in-house activities, such as the Oratory Club, Youth to Power, and Language Lab, play a significant role in enhancing students' skill sets, boosting confidence, communication, and personal growth.

Efforts to promote innovation and entrepreneurship include initiatives like development of an incubation center, and the establishment of an Ideation and Prototyping Centre. The center aims to strengthen student's design and development skills, offering modern facilities to transform ideas into functional prototypes. The center supports national initiatives like Make in India and Digital India, with plans for further expansion.

In terms of academics, new undergraduate (UG) programs and the expansion of existing ones received approval from AICTE and KTU. Furthermore, academic activities such as exams, course file audits and the establishment of defined timelines and key performance indicators were planned and scheduled. To uphold high academic standards, strict academic audits were conducted across all semesters, ensuring accountability and continuous improvement in quality.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/internal-quality-assurance-cell/">https://scmsgroup.org/sset/internal-quality-assurance-cell/</a>
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Internal Quality Assurance Cell (IQAC) of SSET has been instrumental in institutionalizing quality assurance strategies and processes since its establishment in 2015.

#### Quality Assurance and Monitoring

**Regular Internal Audits:** Internal audit cell conducted academic audit twice in a semester to monitor academic and administrative processes to assess compliance with quality standards.

**Documentation and Record Keeping:** Maintains comprehensive documentation of quality-related activities, including audited reports, self-assessment reports, accreditation documents, and improvement plans.

#### Faculty and Staff Development

Aimed at quality improvement, encourages faculty and staff members to attend national and international professional development / workshops/training programs providing reimbursement of registration fee and TA. With the financial support of the management, each department in association with IQAC yearly organises seminar/ workshop in frontier areas of science and Technology and in IPR

#### Student-Centric Approach:

**Feedback Mechanism:** Actively collects feedback from students on teaching, infrastructure, and support services to identify the area of improvement.

File Description	Documents
Paste link for additional information	<a href="https://scmsgroup.org/sset/internal-quality-assurance-cell/">https://scmsgroup.org/sset/internal-quality-assurance-cell/</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**A. All of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.5/6.5.3%20Annual%20Report%20of%20SSET.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/criterion-6/6.5/6.5.3%20Annual%20Report%20of%20SSET.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **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

SSET is dedicated to promoting gender equality in all curricular, co-curricular, and extra-curricular activities. Women's empowerment and gender equity are central to our values of equality, fairness, and justice, with a strong emphasis on diversity and equal opportunities for all.

The Women's Forum recently organized a talk on "Cancer Awareness among Youth," focusing on prevention, early detection, and healthy

lifestyle choices. Additionally, seminars and workshops on women entrepreneurship, along with sessions on women's rights and gender equality, support our mission. The Basic Science and Humanities department hosted a program on "Heroic Engineering Empowerment and Leadership" to inspire women students in leadership roles.

To ensure student safety, the campus features a girls' hostel with 24/7 security and a separate First Year Men's Hostel. All programs are overseen by both male and female faculty. We also provide moral and mental support through staff advisors and counselors, with dedicated spaces like a girls' common room and infirmary. The institution promotes diversity and gender-sensitive communication, maintaining a secure environment with well-lit corridors, CCTV surveillance, and strong anti-violence policies.

The Women's Forum, Anti-Sexual Harassment Committee, and Internal Complaints Committee collaborate to advance gender equality and raise awareness about social media risks and cyber-crimes.

File Description	Documents
Annual gender sensitization action plan	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.1%20Annual%20gender%20sensitization%20action%20plan.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.1%20Annual%20gender%20sensitization%20action%20plan.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.1-Annual-gender-sensitization-500-words-and-specific-facilities.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.1-Annual-gender-sensitization-500-words-and-specific-facilities.pdf</a>

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste



management Biomedical waste management E-waste management Waste recycling system  
Hazardous chemicals and radioactive waste management

The institution has established systems to manage various types of waste, ensuring environmental protection and compliance with health regulations.

For solid waste management, waste segregation is done at the source with color-coded bins for organic waste, recyclables (paper, plastic, glass), and non-recyclables. The waste is collected by approved services, with on-site recycling centers and composting plants that convert organic waste into manure for campus gardening.

The liquid waste management system includes an Effluent Treatment Plant (ETP) that treats wastewater from toilets, laboratories, kitchens, and other areas. The treated water is then used for gardening. Major wastewater sources include two academic blocks, five laboratory blocks, two hostels, a canteen, and an auditorium. The administrative block's wastewater is treated separately via a septic tank.

The institution also manages e-waste, such as damaged electronics from laboratories, with a focus on recycling and proper disposal. Periodic e-waste collection drives help remove obsolete equipment, ensuring responsible disposal.

Overall, the waste recycling system aims to minimize waste generation and promote sustainable practices across the campus.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**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
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
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
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

#### 7.1.6.1 - The institutional environment and energy initiatives 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	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment</b></p> <p><b>5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</b></p>	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	No File Uploaded
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 socioeconomic and other diversities (within 200 words).

SSET is located just on the border of Ernakulam and Thrissur city. There are many Specific initiatives are taken by the institute to address locational advantages and disadvantages.

Some of them are listed below.

1. Organize blood donation camps
2. Renovated cattle shed of a poor family in Palissery
3. Conducting traffic awareness programme
4. Road Safety awareness session at school students at QSPace academy Kodungalloor
5. Offered computer labs and other facility for the conduct of online exams and other exams (ex. KEAM 2024)
6. Organize Gate Training Programme for the benefit of students
7. Organize program to train tribals for Driving Licence.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

SSET empowers students and staff with the knowledge of their constitutional responsibilities, fostering responsible citizenship. We equip students with the skills and values necessary to balance their personal and professional lives in a safe, supportive, and accessible learning environment.

Every 26th November, we celebrate Constitution Day, marking the adoption of India's Constitution. The Preamble is read aloud to help students understand their rights. On 23rd January, we observe "Founder's Day" in honor of Dr. G.P.C. Nayar, with a cultural event and the "Dr. Pradeep P. Thevannoor Commemorative Annual Lecture Series." Since 2022, the PPTIA Hackathon has celebrated innovative student ideas nationwide.

Through the NSS and H2O units, SSET promotes constitutional values with various initiatives, including Punarjani (repairing

healthcare facilities at government hospitals), visits to old age homes and orphanages, school upgrades, and flood relief efforts. Other programs like Thai Veru (planting bamboo saplings) and Make My Floor (post-flood rehabilitation) focus on community service and environmental sustainability.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.9-Sensitization-of-Students-and-Employees-of-The-Institution-to-The-Constitutional-Obligations-Values,-Rights,-Duties-and-Responsibilities-of-Citizens.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.9-Sensitization-of-Students-and-Employees-of-The-Institution-to-The-Constitutional-Obligations-Values,-Rights,-Duties-and-Responsibilities-of-Citizens.pdf</a>
Any other relevant information	<a href="https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.9-Any-other-relevant-information-related-programs.pdf">https://scmsgroup.org/sset/NAAC/AOAR_2023_24/7.1.9-Any-other-relevant-information-related-programs.pdf</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized**

**B. Any 3 of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

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

At SSET, national and international memorial days are regularly commemorated to promote unity, a healthy work environment, and educate students about India's pride and cultural heritage. Celebrating cultural and constitutional festivals is integral to college co-curricular activities and plays a key role in shaping today's youth. Staff and students come together to honor these days, enhancing their understanding of various cultures and deepening their perception of India.

Republic Day, Independence Day, Constitution Day, Gandhi Jayanti are celebrated to foster patriotism, ethics, and moral values. These events encourage staff and students to reflect on their significance in the nation's history and pay tribute to the freedom fighters who sacrificed their lives for India's independence. As a secular institution, SSET also promotes tolerance, communal harmony, and inclusivity by celebrating religious festivals like Onam and Christmas.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

**BEST PRACTICE 1 Title: ENGINEERING FOR SOCIETAL DEVELOPMENT** The Mechanical and Automobile departments at SSET focus on increasing road safety awareness. A survey conducted by the Civil Department revealed a rise in road fatalities, emphasizing the need for public awareness. SCMS Institute for Road Safety and Transportation (SiRST) serves as a center of excellence in road safety and transportation innovation, combining youth energy, experience, and technical expertise to promote ecological balance through green mobility, ensuring safe and sustainable travel.

**BEST PRACTICE 2 INNOVATIONS FOR SOCIAL SUSTAINABILITY** SSET strives

to create cost-effective, innovative solutions that promote human, social, economic, and environmental well-being. Efforts in energy efficiency include implementing energy management systems, installing energy-efficient lighting, and setting up a solar power plant on campus. As part of a green audit, the campus has achieved zero carbon emissions, demonstrating its commitment to sustainability. Community well-being is enhanced through activities by NSS, SiRST, and H2O (Helping Hands Organization) for societal improvement.

File Description	Documents
Best practices in the Institutional website	<a href="https://scmsgroup.org/sset/NAAC/AQAR_2023_24/7.2.1-Best-practices.pdf">https://scmsgroup.org/sset/NAAC/AQAR_2023_24/7.2.1-Best-practices.pdf</a>
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

SCMS Water Institute accomplishes its mission through research and development, technology incubation and application, education and training, demand driven consultancy and networking. SWI formerly known as the Centre for Sustainable Water Technology and Management (CSWTM), was renamed in 2015 with an objective of addressing water-related issues through a multidisciplinary approach to ensure a sustainable water future. SWI was funded by Baden Wuttemberg Stiftung Germany for establishing an Indo-German center of competence for water and waste water under the leadership of University of Applied Sciences Ravensburg-Weingarten.

SWI acts as a Centre of Excellence in water and provides enormous opportunities for the students of SSET to get involved in service learning, where the technological talents of students get upgraded by addressing the real time problems faced by the society. It is an excellent platform for technological students to understand true field-level challenges while implementing engineering principles and tackling them skillfully, as SWI provides opportunities for students to apply what they learn in the classroom to the field.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

1. Departments shall sign Active MoU's with prominent industries promoting research collaborations and student - industry interactions.
2. Each Department shall identify an area of Research and take appropriate steps to progress.
3. Vocational and Etiquette training for the Second Year Students
4. Identify the areas of social concerns and sustainability and concentrate on conducting activities towards these thrust areas.
5. The placement cell shall target to improve the number of placements compared to the previous academic year.