



## YEARLY STATUS REPORT - 2023-2024

### Part A

#### Data of the Institution

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>S.A.Engineering College</b>
• Name of the Head of the institution	<b>Dr S Ramachandran</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone No. of the Principal	<b>04426801999</b>
• Alternate phone No.	<b>04426801499</b>
• Mobile No. (Principal)	<b>9444001904</b>
• Registered e-mail ID (Principal)	<b>principal@saec.ac.in</b>
• Address	<b>Poonamallee-Avadi Main Road, Veeraragavapuram, Thiruvverkadu Post</b>
• City/Town	<b>Chennai</b>
• State/UT	<b>Tamil Nadu</b>
• Pin Code	<b>600 077</b>
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>17/10/2019</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr S Koteeswaran</b>				
• Phone No.	<b>044-26801499</b>				
• Mobile No:	<b>9884378785</b>				
• IQAC e-mail ID	<b>iqac@saec.ac.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.saec.ac.in/internal-quality-assurance-cell">https://www.saec.ac.in/internal-quality-assurance-cell</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.saec.ac.in/academics/#acdcal">https://www.saec.ac.in/academics/#acdcal</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.11</b>	<b>2015</b>	<b>03/03/2015</b>	<b>02/03/2021</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.11</b>	<b>2018</b>	<b>12/04/2018</b>	<b>31/12/2024</b>
<b>6.Date of Establishment of IQAC</b>			<b>02/07/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>0</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	<b>04</b>				

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<p>The institution conducted regular curriculum revisions to align with industry needs and societal demands. Institution organized faculty development programs focused on emerging trends and technologies, encouraging research, publications, and participation in national and international conferences. They introduced multidisciplinary and interdisciplinary courses, promoting the use of ICT-enabled tools in classrooms. They conducted bridge courses, remedial classes, and student mentoring programs to support students' academic journeys. Furthermore, they strengthened career guidance and placement activities to enhance students' career prospects.</p>		
<b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>		

Plan of Action	Achievements/Outcomes
<ul style="list-style-type: none"> <li>To Conduct regular curriculum revisions to align with industry needs and societal demands.</li> </ul>	<p>In 2023-24 Board of Studies meeting is conducted by all departments during August 2023 for ODD Semester and during February 2024 for Even semester for revision of syllabus to meet the needs of the industry and society.</p>
<ul style="list-style-type: none"> <li>To organize faculty development programs on emerging trends and technologies.</li> </ul>	<p>In 2023-24, 10 FDP and workshops were conducted by different departments like Recent trends and development in AI, Autonomous EVE, Microsoft Azure AI etc.</p>
<ul style="list-style-type: none"> <li>To Encourage research, publications, and participation in national/international conferences.</li> </ul>	<p>In 2023-24, 243 publications were published by faculty and students in scopus indexed journals and 79 patents were published by our institution faculty.</p>
<ul style="list-style-type: none"> <li>To Introduce multidisciplinary and interdisciplinary courses</li> </ul>	<p>In view of NEP 2020, S.A.Engineering college has taken steps towards the Multidisciplinary - interdisciplinary courses. To start with the students have been encouraged to do interdisciplinary projects to solve social problems as part of the project based learning</p>
<ul style="list-style-type: none"> <li>Promote the use of ICT-enabled tools in classrooms</li> </ul>	<p>To Enhance the quality of teaching and learning using modern technologies, the institution has equipped classrooms with smart boards, projectors and wifi connectivity.</p>
<ul style="list-style-type: none"> <li>Conduct bridge courses, remedial classes, and student mentoring programs</li> </ul>	<p>S.A.Engineering college conducts bridge courses as student induction programme (SIP) as per the directions of the AICTE. As</p>

	<p>well the institution conducts remedial classes and mentoring programs for students so that no student is left behind (NSLB). The institution has appointed professional counselor for mentoring the students.</p>
<ul style="list-style-type: none"> <li>Strengthen career guidance and placement activities.</li> </ul>	<p>Training and placement cell of the institution provide career guidance by giving training in communication by Pearson company, aptitude by Aptitude buster, soft skills and technical training by FACE company and as well the skill rack platform is provided to all students to equip them with programming skills.</p>
<ul style="list-style-type: none"> <li>Provide skill development programs</li> </ul>	<p>In 2023-24, around 36 value added courses were conducted for the benefit of students</p>
<ul style="list-style-type: none"> <li>Upgrade library resources</li> </ul>	<p>Library is equipped with E-journals like Science Direct (Elsevier), IEEE subscription, DELNET etc.</p>
<ul style="list-style-type: none"> <li>Conduct alumni meet-ups to foster alumni contributions and mentorship.</li> </ul>	<p>Every year Alumni meet is conducted during January month. Alumni contribute to the institution every year and as well they even give guest lectures and career guidance to students.</p>
<ul style="list-style-type: none"> <li>Submit AQAR (Annual Quality Assurance Report) to NAAC</li> </ul>	<p>Institution is submitting the Annual Quality Assurance Report every year to NAAC</p>
<ul style="list-style-type: none"> <li>Conduct internal and external academic audits periodically.</li> </ul>	<p>Internal and External academic audit is conducted periodically.</p>
<p><b>13. Was the AQAR placed before the statutory body?</b></p>	<p>Yes</p>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name of the statutory body	Date of meeting(s)
Academic Council	18/11/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	Yes
<ul style="list-style-type: none"> <li>• Year</li> </ul>	
Year	Date of Submission
2025	20/01/2025
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>In view of NEP 2020, S.A. Engineering college has taken steps towards the Multidisciplinary- interdisciplinary courses. To start with the students have been encouraged to do interdisciplinary projects to solve social problems as part of the project based learning.</p>	
<b>16. Academic bank of credits (ABC):</b>	
<p>S.A. Engineering college has taken initiative to facilitate student-centric education by using Academic Bank of Credits as per the guidelines of UGC. The institution has registered in UGC's Academic Bank Credits online platform and created ABC account for all the students. Implementation of uploading the data is in process.</p>	
<b>17. Skill development:</b>	
<p>SAEC offers various skill development programs and industrial oriented training to the students. The following are the skill development programs adopted by students: PEARSON - Communication Training APPTITUDE BUSTER - Aptitude training FACE - Soft Skills &amp; Technical Training Value Added Courses based on each programme needs Placement Training - Aptitude &amp; Technical training Faculty Development programme - Support to learn Universal human values, Swayam NPTEL courses, Online MOOC courses</p>	
<b>18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</b>	
<p>The integration of the Indian Knowledge System (IKS) into modern learning and education can be meaningful and transformative. Here's how IKS can be incorporated appropriately, especially in technology, management, and scientific fields like programming or data structures: In the first year of all programs, Tamil heritage,</p>	

Tamil technology, and the Indian constitution is provided as Mandatory course. In addition, in the higher semesters, value-based courses like Professional Ethics in Engineering and Personality & Character Development are provided.

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

Outcome-Based Education (OBE) is implemented in the institution. An outcome based education is a student-centric teaching and learning approach that focuses on achieving specific outcomes or skills by the end of a course or program. It emphasizes what students are expected to know, be able to do, or demonstrate as a result of their learning. It focuses on the curriculum, teaching methods, and assessments are designed to achieve clearly defined learning outcomes. As per the guidelines of National Board of Accreditation, New Delhi, the process of framing vision, Mission, PEOs, POs and PSOs are followed and it is implemented as below. Student-Centric Approach: Emphasis is placed on individual learning progress and development. Students are given multiple opportunities to achieve the desired outcomes. Flexibility in Teaching Methods: Educators have the freedom to choose teaching and assessment methods that align with the outcomes. Continuous Improvement: Regular assessments and feedback loops ensure that the teaching process evolves to meet learning goals. At the end of course, Course attainment is computed based on target and threshold. At the end of program, Program attainment is calculated for the particular batch. Based on the attainment level of each POs, the actions are planned and implemented in the next year.

#### 20.Distance education/online education:

S.A. Engineering college motivates students and staff to undergo online courses offered by NPTEL and SWAYAM platform to upgrade their knowledge in the emerging areas.

### Extended Profile

#### 1.Programme

1.1

17

Number of programmes offered during the year:

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

#### 2.Student

2.1

3092

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2

574

Number of outgoing / final year students during the year:

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

2.3

3105

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

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

**3.Academic**

3.1

731

Number of courses in all programmes during the year:

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

3.2

247

Number of full-time teachers during the year:

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of programmes offered during the year:	<b>17</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Total number of students during the year:	<b>3092</b>
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2 Number of outgoing / final year students during the year:	<b>574</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	<b>3105</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>731</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	247
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	205
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	620
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	99
Total number of Classrooms and Seminar halls	
4.3	1467
Total number of computers on campus for academic purposes	
4.4	1371.68
Total expenditure, excluding salary, during the year (INR in Lakhs):	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Being an Autonomous Institution, each department of S.A. Engineering College has implemented outcome based Education (OBE) and choice based Credit system (CBCS) from the academic year 2017-18 onwards. The needs of the curriculum are derived from various stakeholders such as Alumni, Academicians, Industry experts, Parents, Students, Employers and also from various statutory bodies such as UGC/AICTE/Anna University/BoS/Academic

council. Program Educational Objectives (PEO), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) are defined incorporating the behaviors that demonstrates the graduate attributes benchmarked globally. The regulations curriculum and syllabi are designed and developed aligning to the vision and mission of the institution and the department.

Based on the Vision and Mission of the institution and department, the department formulates its PEO and PSO. The course outcome of all the courses of the curriculum are planned according to PO and PSO.

The syllabi and curriculum are presented in the meeting of the Bos consisting of the following members:

1. Anna University Representative
2. Subject Experts from Other Premium Institution
3. Industry Experts
4. Alumni Representative
5. Faculty Members

After getting approval, the curriculum and syllabi are finalized of the programme are published in website.

The curriculum contains the following category of subjects:

HUMANITIES AND SOCIALSCIENCES (HS)

BASIC SCIENCES (BS)

ENGINEERING SCIENCES (ES)

PROFESSIONAL CORE (PC)

PROFESSIONAL ELECTIVES (PE)

OPEN ELECTIVES (OE)

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

**MANDATORY COURSES (MC)**

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.saec.ac.in/academics/#syllabus">https://www.saec.ac.in/academics/#syllabus</a>

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

17

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

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

612

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

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year**

389

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

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

17

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

The institution aims to address the cross cutting issues which are relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values by including the related courses into the curriculum.

Professional Ethics and human values:

The Curriculum includes, Professional Ethics in Engineering ,Indian Constitution ,Principle of management and Total Quality Management

Universal Human Values course is included as mandatory course for all B.E/B.Tech students to the Development of a holistic perspective based on self-exploration about themselves (human being), family, society and nature/existence, Understanding (or developing clarity)of the harmony in the human being, family,society and nature / existence,Strengthening of self-reflection and Development of commitment and courage to act.

**Gender**

Women Empowerment-Distinct and interactive programmes are organised by inviting accomplished women to share their insights .Womens day program is celebrated every year

**Environment and Sustainability**

Environmental Science and Engineering is a mandatory course for all UG BE/B.TECH students.In addition to this,Renewable Energy Sources,Hazardous Waste management,Air and Noise Pollution ,Environmental and social Impact Assesment are offered to raise the awareness about the efficient use of natural resources for sustainable environment.

Tree planting ,Village clean up and other activities are arranged through NSS for local communities.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**39**

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**3092**

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

3092

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.4 - Feedback System

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%201/1.4.1%20Feedback%20details.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%201/1.4.1%20Feedback%20details.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4.2 - The feedback system of the Institution comprises the following**

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%201/1.4.2%20Action%20taken%20Report.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%201/1.4.2%20Action%20taken%20Report.pdf</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

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

1122

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

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

480

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 students' learning levels and organises special programmes for both slow and advanced learners.

??The internet and technological advancements are transforming the education system, especially in engineering education. S.A. Engineering College is preparing students with soft, professional, multidisciplinary, and competencies for future challenges. Continuous assessments and end-semester examinations are crucial for determining students' skills and quality. The Office of the Controller of Examinations is working on examination reforms by improving procedures, integrating IT tools, and incorporating

continuous internal evaluation components. The examination processes are run through indigenous software called "Rovan EMS," which modernizes the process and makes it more transparent. The Examination Management System automates all examination processes, enabling online intimation about events, online application, fee payment, hall ticket issue, and timely result publication. The COE office maintains confidentiality of question papers received from both internal and external examiners. Continuous internal assessments, such as internal theory examinations, seminars, and viva-voce, help students improve their performance and provide teachers with opportunities to monitor student progress.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.1%20Proof%20-%20Student%20Centric%20Methods.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.1%20Proof%20-%20Student%20Centric%20Methods.pdf</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2023	3092	247

File Description	Documents
Upload 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 focuses on student-centric approaches to foster lifelong learning skills and provides a comprehensive platform for students to enhance their technical expertise. It offers an ICT-enabled campus and library facility, fostering modern competencies and strong ethical values. Faculty employ effective pedagogical techniques, including lectures, demonstrations, models/charts animation, industrial visits, simulation-based training, collaborative learning, and brainstorming sessions. Students participate in an annual project expo to showcase their learning and engage in inter-college and national-level competitions.

Classroom lectures and interactive learning are delivered using a blend of traditional teaching methods and modern audio-visual aids. Instructors encourage student interaction and encourage participation in experiential learning, collaborative activities, and problem-solving exercises. Participative learning includes seminars, group discussions, projects, and skill-based add-on courses. Activity-based learning allows students to engage in their own learning environment through meaningful experiences like problem-solving and autonomous inquiry. This student-centered approach empowers students with problem-solving, logical thinking, and imagination skills. Experiential learning practices are incorporated to boost creativity and cognitive skills. Departments encourage students to acquire and develop problem-solving skills in laboratories like programming, electrical, electronics, and mechanical engineering.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.1%20Proof%20-%20Student%20Centric%20Methods.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.1%20Proof%20-%20Student%20Centric%20Methods.pdf</a>

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

The increasing reliance on computers in modern classrooms is a significant aspect of Information and Communication Technology (ICT), which is instrumental in making education accessible, fostering equity, enhancing teaching and learning quality, supporting teachers' professional growth, and improving educational management efficiency. The institute utilizes ICT tools to enhance the teaching-learning process, such as laptops, LCD projectors, Wi-Fi, and smart boards, to make learning more engaging for students. YouTube-assisted learning is employed to provide diverse perspectives on subjects. The Communicative English Department utilizes a language lab equipped with specialized software to enhance students' language proficiency. Teachers and students use the NPTEL platform to access online content and update their knowledge. The institute provides various ICT tools, including projectors, desktops, laptops, printers, photocopier machines, and scanners. Seminar rooms are equipped with digital facilities, while smart class rooms are installed in all departments. The auditorium is digitally equipped with a

microphone, projector, cameras, and computer system. Online classes are available through Zoom, Google Meet, Microsoft Team, Google Classroom, LMS, MOOC platforms like NPTEL and Coursera, and digital library resources.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.2%20ICT%20tools%20usage%20proof.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.3.2%20ICT%20tools%20usage%20proof.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

167

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

S.A. Engineering College, an autonomous institution affiliated with Anna University, Chennai, adheres to guidelines set by Anna University. The Academic Excellence Committee (AEC) is responsible for formulating the academic calendar, which includes important details like semester start and end dates, internal assessments, unit tests, final exams, holidays, scheduled value-added courses, guest lectures, and workshops. The AEC Coordinator develops the calendar, which is reviewed and approved by the principal. The approved calendar is communicated to faculty members and students at the start of each semester, ensuring uniform adherence. The institution maintains strict adherence to the calendar through regular monitoring and evaluations. Continuous evaluation helps identify students facing academic challenges, providing additional coaching in NSLB classes and revisiting challenging subjects. The syllabus coverage is discussed in class committee meetings, DRM, and AEC meetings, ensuring all students are adequately prepared for final university exams and other assessments.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>
<b>2.4 - Teacher Profile and Quality</b>	
<b>2.4.1 - Number of full-time teachers against sanctioned posts during the year</b>	
<b>247</b>	
File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year</b>	
<b>72</b>	
File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)</b>	
<b>1493</b>	
File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>2.5 - Evaluation Process and Reforms</b>	

**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year****11**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year****144**

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

The internet and technological advancements are transforming the education system, especially in engineering education. S.A. Engineering College is preparing students with soft, professional, multidisciplinary, and competencies for future challenges. Continuous assessments and end-semester examinations are crucial for determining students' skills and quality. The Office of the Controller of Examinations is working on examination reforms by improving procedures, integrating IT tools, and incorporating continuous internal evaluation components. The examination processes are run through indigenous software called "Rovan EMS," which modernizes the process and makes it more transparent. The Examination Management System automates all examination processes, enabling online intimation about events, online application, fee payment, hall ticket issue, and timely result publication. The COE office maintains confidentiality of question papers received from both internal and external examiners. Continuous internal

assessments, such as internal theory examinations, seminars, and viva-voce, help students improve their performance and provide teachers with opportunities to monitor student progress.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/examinations/">https://www.saec.ac.in/examinations/</a>

## 2.6 - Student Performance and Learning Outcomes

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

First and foremost, COs are designed for each course. The effectiveness of the teaching-learning process is verified by assessing the course outcomes. For each course, around six course outcomes are identified. The knowledge level for each course outcome is assigned based on the Bloom's Taxonomy knowledge level. Course outcome is evaluated by considering the students' performance in the internal assessment and End Semester examination.

The Program Outcomes are predefined for all the engineering courses. The Program Specific Outcomes (PSOs) are defined based on the curriculum which offers a number of core courses, elective courses and project works. The attainment of Program outcomes (POs) and Program Specific Outcomes (PSOs) is measured using both direct and indirect assessment tools. Each course COs are mapped to the POs and PSOs. The attainment of a particular CO will help to find the attainment of corresponding POs and PSOs.

The attainment of particular PO through a course is calculated by the average of multiplication of attainment of all relevant COs in the course and the weightage of their mapping between CO and PO. The overall PO attainment is then calculated by taking the average of PO attainment levels. In same way PSO attainment is calculated.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.2-%20-%20Attainment%20of%20Programme%20Outcomes%20and%20Course%20Outcomes%20as%20evaluated%20by%20the%20institution.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.2-%20-%20Attainment%20of%20Programme%20Outcomes%20and%20Course%20Outcomes%20as%20evaluated%20by%20the%20institution.pdf</a>

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

CO assessment methods are employed

- Direct assessment method and indirect assessment method are considered for 80% and 20% weightages respectively.
- Internal test assessment and end semester examination assessment are considered with the weightage of 40% and 60% respectively for the direct assessment of CO.

The department employs direct and indirect assessment methods for evaluating course outcomes (COs) and program outcomes (POs). The direct assessment method involves evaluating students' knowledge and skills through internal and external processes, such as university theory exams, laboratory exams, and project evaluations. The internal assessment method involves recording student performance through class assignments, tutorials, internal assessment tests, laboratory assignments, seminars, and project progress review and evaluation. The indirect assessment method includes feedback from stakeholders such as students, alumni, parents, employers, and extra co-curricular activities. These feedbacks are designed to assess the attainment of course outcomes by the engineering student. The attainment of course outcomes for each subject obtained through direct assessment method is mapped to correlated program outcomes. These assessment methods provide a sampling of students' knowledge and skills, providing strong evidence of their learning.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.2%20COURSE%20OUTCOMES%20FOR%202023-2024%20YEAR.xlsx">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.2%20COURSE%20OUTCOMES%20FOR%202023-2024%20YEAR.xlsx</a>

### 2.6.3 - Pass Percentage of students

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

568

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.3%20Annual%20Report%2023-24.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.6.3%20Annual%20Report%2023-24.pdf</a>

### 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://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%202/2.7.1-Student-Satisfaction-Survey.pdf>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

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

Our Institution has a robust research promotion policy to foster a thriving research ecosystem, encouraging faculty, research scholars, and students to engage in innovative research activities. The Research Advisory Committee, comprising Research

Coordinators, liaises with Department Research Committee members to oversee research activities and ensure compliance with Anna University norms and UGC regulations. Policies are periodically updated to align with institutional and regulatory guidelines.

Research Centers in departments like ECE, CSE, and Mechanical, recognized by Anna University, provide state-of-the-art laboratories and infrastructure to support full-time and part-time scholars under Anna University-approved supervisors. Equipped with advanced software and computing facilities, these centers promote high-quality research.

To incentivize research, the Institution provides Crescent Seed Money, awarded based on the quality and feasibility of research proposals, to encourage faculty, scholars, and students to secure external research grants. Annual Research Incentives are offered for Scopus/WoS-indexed publications, books, sponsored projects, patents, and other scholarly achievements, motivating researchers to strive for excellence.

These initiatives collectively create a conducive environment for pioneering research, fostering innovation, and driving impactful contributions to science and technology.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.saec.ac.in/wp-content/uploads/2024/02/Research-Promotion-Policy.pdf">https://www.saec.ac.in/wp-content/uploads/2024/02/Research-Promotion-Policy.pdf</a>
Any additional information	No File Uploaded

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

3.96 Lakhs

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

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

## 3.2 - Resource Mobilization for Research

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

97.38

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

### 3.2.2 - Number of teachers having research projects during the year

6

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/others/research-3/">https://www.saec.ac.in/others/research-3/</a>
List of research projects during the year	<a href="#">View File</a>

### 3.2.3 - Number of teachers recognised as research guides

23

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

5

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.saec.ac.in/others/research-3/">https://www.saec.ac.in/others/research-3/</a>
Any additional information	No File Uploaded

## 3.3 - Innovation Ecosystem

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

The Institution had created an Innovative Ecosystem to foster research activities by providing the essential research facilities and support. The various research facilities are Centre for Unique Product Development and Business Incubation (CUB) and Centre for Innovation Promotion and Entrepreneurship Development (CIPED) S.A. Engineering College has a CUB & CIPED to promote and support

untapped creativity of individual innovators and to assist them to become technology-based entrepreneurs. S.A.Engineering College - Institution Innovation Council (SAEC- IIC) The primary objective of SAEC-IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform into prototypes. The various Functions are: 1. To conduct various innovation and entrepreneurship-related activities prescribed by Central MHRD Innovation Council in time bound fashion. 2. Identify and reward innovations and share success stories. 3. Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries. Centre for Intellectual Property Rights 4. Centre for Intellectual Property Rights The Centre for Intellectual Property Rights had set a MoU on the Tenth day of January, 2013, between, IP DOME - IP Strategy Advisors in SA Engineering college.

Intellectual Property awareness among students, faculties through streamlined awareness campaigns, short-term Intellectual Property modules and seminars.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/institutions-innovation-council/">https://www.saec.ac.in/institutions-innovation-council/</a>

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

31

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee**

B. Any 3 of the above

**Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

33

File Description	Documents
URL to the research page on HEI website	<a href="https://www.saec.ac.in/others/research-3/">https://www.saec.ac.in/others/research-3/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

255

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

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

7

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/others/research-3/">https://www.saec.ac.in/others/research-3/</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

541

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

#### 3.4.6.1 - h-index of Scopus during the year

2

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

16.74

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	No File Uploaded

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

84.67246

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6 - Extension Activities

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

S.A. Engineering College excels not only in academics but also in extracurricular activities like NSS and YRC, promoting the holistic development of students. Since 2014-2015, the college has consistently conducted awareness programs both on and off-campus, fostering community engagement and social responsibility.

The National Service Scheme (NSS) at S.A. Engineering College was established in 2014-2015, inspired by its launch in 1969 during Mahatma Gandhi's centenary. NSS aims to develop students' personalities through community service, bridging classroom learning with real-world interactions. This student-centered

program involves volunteers working closely with communities, enhancing their understanding of societal challenges and solutions. NSS fosters qualities like service, team spirit, and dignity of labor, shaping students into responsible individuals and valuable societal assets.

NSS activities extend beyond campus to schools and the community, creating significant impact. Key initiatives include International Yoga Day, Road Safety Awareness, Drug-Free Tamil Nadu Campaign, PCOS Awareness Walkathon, Swachh Bharat School Cleaning Drives, Voter Rights Awareness, and Blood Donation Camps. Programs like Personality Development workshops and Anti-Corruption Awareness Campaigns have enriched students' perspectives and societal attitudes.

Through NSS, students gain practical experience, develop leadership skills, and contribute to societal well-being, embodying the spirit of a united and progressive nation.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.saec.ac.in/nss-activities/">https://www.saec.ac.in/nss-activities/</a>

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

65

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

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

18

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

15305

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

799

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

60

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

**INFRASTRUCTURE AND LEARNING RESOURCES**

## 4.1 - Physical Facilities

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

The Institute, established in 1998, has grown to offer a comprehensive array of academic programs as of June 2023, including 9 undergraduate, 6 post graduate, with 4 Ph.D., programs to support research scholars. The institution has diligently planned and constructed to support its educational mission. The campus spans 42 acres with a Wi-Fi-enabled area of 400,000 sq. ft., featuring 90 classrooms, 15 interactive panels, 96 advanced labs, 26 tutorial rooms, and 2 drawing halls. It also includes 9 air-conditioned seminar halls and an auditorium with a capacity of 1,000 people. The campus is designed with a focus on green environmental awareness.

The library management system offers over 73,000 resources with online access. The institution provides 24/7 medical support, including an ambulance service. Hostels are designed to create a peaceful and conducive environment for academic pursuits. A fleet of 30 buses ensures transportation across the city, while the canteen serves a variety of high-quality dishes at affordable prices.

Recreational facilities, including a yoga center, promote physical well-being, and an Idea Lab encourages innovation and collaboration with tools like 3D printers and design software. Additionally, staff rooms are equipped with internet and printers, supporting a fully integrated and modern learning environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/4.1.1%20-%20Infrastructure%20%26%20Physical%20facilities.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/4.1.1%20-%20Infrastructure%20%26%20Physical%20facilities.pdf</a>

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

At S A Engineering College, the Physical Education Department, led by Dr. A. Ramakrishnan, Mr. S. Mathew, and Ms. Thenmozhi, offers a comprehensive sports program aimed at enhancing students' physical

fitness and mental clarity. The department provides excellent indoor and outdoor facilities, including a state-of-the-art gymnasium. Physical education plays a key role in promoting holistic health, with teachers helping students improve motor skills and reflexes. Training is provided in various sports disciplines, including badminton, basketball, cricket, volleyball, kho-kho, hockey, handball, and table tennis, preparing students for success in intercollegiate, zonal, and national tournaments.

The college encourages sportsmanship by offering travel allowances, sports equipment, tuition fee discounts, and support through a seed program for national-level athletes. Key events include the SA Trophy competition, Anna University Inter Zonal and Zonal Tournaments, Annual Sports Day, and Intramurals. The college has won the Anna University Zone-I overall championship trophy for three consecutive years since 2022.

Additionally, the college promotes general health and mental well-being through its gymnasium, while the Yoga Center fosters spiritual health. International Yoga Day is celebrated annually on June 21st. Extracurricular and co-curricular activities also help students develop social responsibility and empathy, contributing to their academic and societal progress.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/4.1.2-EXTRA%20CURRICULAR%20ACTIVITIES.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/4.1.2-EXTRA%20CURRICULAR%20ACTIVITIES.pdf</a>

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

99

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

523.36

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

S.A. Engineering College Central Library is fully automated, using AutoLib Software Version 6.2(Web-Based) as its Integrated Library Management System. It offers services such as the e-Gate Register, Circulation, and Web OPAC. The library's collection includes 57,962 volumes and 22,440 titles, along with 14,339 e-books, 108 printed journals, 1,934 e-journals, and 8 newspapers. Books are classified using the Dewey Decimal Classification (DDC) system. The automation system enables students and staff to search for books by author, title, accession number, publisher, subject, and availability.

A key feature is the Web OPAC, which allows users to search the library's holdings remotely from any location with internet access. Through Web OPAC, users can view bibliographic details, renew books, and make reservations. The library also offers an e-Library section with systems and internet access to support research, education, and development needs. It holds non-book materials such as CDs, DVDs, and tutorial CDs.

The library follows an Open Access System for easy material access, and each department has its own library for faculty, students, and research scholars. The Central Library subscribes to resources like Elsevier (Science Direct), IEEE-ASPP, Turnitin, and is a member of DELNET, e-Shodh Sindhu, and NDLI. It also provides recorded NPTEL videos for teacher training and improving student education.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/resources/">https://www.saec.ac.in/resources/</a>

**4.2.2 - Institution has access to the following:  
e-journals e-ShodhSindhu Shodhganga  
Membership e-books Databases Remote  
access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

**23.30**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

**3205**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The institute maintains a comprehensive IT policy that covers key areas such as Wi-Fi, cybersecurity, and software upgrades, ensuring it meets regulatory requirements and industry standards. This policy is regularly updated to align with the evolving needs of the institution. Infrastructure components such as Wi-Fi, cybersecurity, software, and the ERP system are continuously upgraded to enhance operational efficiency and security. The formal IT policy has been approved by the Academic Council and Board of Governors (BOG), reflecting the institution's commitment to governance and accountability.

The acceptable use policies apply to employees, students, vendors, and visitors, outlining their responsibilities regarding IT resources. The institution has established specific guidelines for procurement, installation of hardware, network management, and software to ensure standardization and efficiency. Any violations of the IT policy may result in disciplinary action.

In terms of infrastructure, the student-to-PC ratio for undergraduates is maintained at 2:1, exceeding the AICTE norm of 10:1. The bandwidth provider, Aakash Internet Services Pvt. Ltd., supplies 1GBPS (1:1) bandwidth to ensure reliable internet access.

The institution also monitors compliance with its IT policies, promptly addressing any violations. A feedback mechanism is in place to allow stakeholders to report issues and suggest improvements, promoting continuous improvement in IT governance.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/it-infrastructure/">https://www.saec.ac.in/it-infrastructure/</a>

### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3092	1467

File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus</b>	A. 750 Mbps
File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded
<b>4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing</b>	A. All four of the above
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/E-content%20Development%20Sources.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/E-content%20Development%20Sources.pdf</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)</b>	
848.32	
File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

S.A. Engineering College- teaching, learning, and research activities are supported by a robust maintenance system for physical facilities. The mechanical maintenance engineer oversees upkeep of estate offices, RO systems, furniture, fire safety, water management, plumbing, sewage treatment, and gardening. Electrical maintenance is managed by the electrical engineer, covering public address systems, CCTV, AC systems, intercom, networking, and electrical peripherals. The transport facilities are maintained by the transport manager and team, ensuring routine maintenance of vehicles before the academic year ends.

Classrooms and laboratories are maintained by department faculty members and lab assistants, who report any repairs to mechanical maintenance for prompt action. The department staff monitors efficient use of classrooms and laboratories. Seminar halls and the auditorium are maintained by the mechanical maintenance team, with assistance from the gardening team, ensuring cleanliness and readiness for academic meetings, conferences, and cultural events. Authorization from the relevant department head is required for using these facilities.

ICT infrastructure, including computers and servers, is managed by electrical maintenance engineers, with regular software installation, antivirus updates, and maintenance. Wi-Fi services are maintained by a system programmer under electrical maintenance supervision.

Sports facilities, including grounds, courts, and equipment, are maintained by the Physical Director, who oversees seasonal and annual maintenance. The housekeeping staff ensures campus cleanliness, maintaining academic and administrative buildings and toilets daily.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/Criteria%204-4.4.2%20-maintenance.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%204/Criteria%204-4.4.2%20-maintenance.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year</b>	
1562	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year</b>	
105	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%205/5.1.3%20Proof.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%205/5.1.3%20Proof.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</b>	

1970

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

**A. All of the above**

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

## 5.2 - Student Progression

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

470

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2.2 - Number of outgoing students progressing to higher education**

19

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

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

1

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

27

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**Institutional governance and decision-making processes can greatly benefit from the inclusion of student perspectives. An active Student Council and representation of students in academic and administrative bodies/committees are essential components of a**

student-centered institution.

The S.A. Engineering College administration committees, Annual Quality Assurance Report helps them create a better learning environment. To take action based on students' perceptions, student comments and recommendations are taken into consideration. The institute works to help students develop holistically.

They participate in a number of professional society chapters, including IEEE, ISTE, and others. Additionally, student members actively participate in a number of committees at the department and institute levels. Below is an explanation of them.

Women empowerment cell Antiragging Committee Hostel Committee SC / ST Student Welfare Committee NSS Committee Sports Industry - Institution Interaction cell Internal Complaints Committee

By establishing an active Student Council and ensuring student representation in academic and administrative bodies/committees, institutions can foster a culture of student empowerment, inclusivity, and collaboration, ultimately enhancing the educational experience and promoting student success.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/students-life-campus/">https://www.saec.ac.in/students-life-campus/</a>

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

51

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

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

#### ALUMNI ASSOCIATION POLICIES

- The name of the Association is Alumni Association, S.A.Engineering College
- The Registered Office of the Association located at the Alumni Centre, S.A.Engineering College, Chennai - 600 077
- The Alumni Association of S.A.Engineering College has been registered under the Tamilnadu Societies Registration Act, 1975 (Tamilnadu Act 27 of 1975) on 11th day of September 2008. (Sl. No: 387 of 2008)
- The business hours of the Association shall be 10 am to 4 pm on all the working days, except Sundays and Holidays declared by Tamilnadu State Government.

#### The Objectives of the Association

- To bring the Alumni of S.A.Engineering College under one forum for the dissemination and exchange of their experience, knowledge and talents amongst its members and the students of the College and for the furthermore of the fellowship, advancement of scientific knowledge in the general interest of the community and country.
- To conduct seminars, conferences, meetings, career guidance for the purpose of knowledge among students society.

#### Activities

- The Association shall have powers to form committees and call for periodical meetings to achieve the objectives mentioned above.
- Alumni are included as members in the Board of studies of all departments. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum revision.
- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/alumni-council/">https://www.saec.ac.in/alumni-council/</a>

#### 5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

##### VISION:

To transform our institution into a quality technical education center imparting updated technical knowledge with character building.

##### MISSION:

To create an excellent teaching and learning environment for our staff and students to realize their full potential thus enabling them to contribute positively to the community. To significantly enhance the self-confidence level for developing creative skills of staff and students.

The following strategic characteristics and Practices enable the College to realize its vision:

- Modern and precise educational practices that enable the quality Engineers
- An atmosphere that encourages the student's personal commitment to the educational success for the prolific society
- Education and research collaborations with other Institutions and Industries

- Highly victorious alumni who contribute to the profession in the world wide society
- Undergraduate and Post graduate Educational programs that incorporate global awareness, professional skills and team building across the program of study
- Guidance that makes students for interdisciplinary engineering project work
- Leadership and commitment to meet society needs.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="http://www.saec.ac.in">www.saec.ac.in</a>

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

The institution believes in promoting a culture of decentralized governance system:

The department decides on timetable, subject allocation, purchase of equipment and consumables, budgeted allocation, organizing guest lectures and workshops, recommends necessary industrial visits, implant trainings, MOUs and work to achieve its goals, vision and mission.

All academic and administrative activities are decentralized and management decisions are taken based on discussion and deliberations in class committee meetings, department meetings, monthly faculty meetings and HODs meeting with principal, Correspondent of Institution Management higher officials.

Finally, the Principal coordinates between departments, administration and management. Minutes of these meetings are available.

Participative management:

Yes, the College promotes a culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement.

This system of communicative management gives freedom to express their opinions for improvement and address their requirements.

Participative management allows collaboration between departments and thereby improves the quality of management.

The various committees are formed to frame the guidelines, to take part in monitoring and controlling the entire processes of Academic, Finance, Research and Students welfare and Academic Evaluation which is an evidence of decentralization.

The following committees are formed:

- Internal Quality Assurance Cell
- Planning & Monitoring Committee
- Academic Excellence committee
- Research and Development Committee
- Discipline committee
- Alumni Committee
- Professional Societies and Women Empowerment
- Placement and Training Committee
- Resource Management and Budget committee
- Anti-Ragging and Social Service Committee
- Grievance Redressal Committee
- Internal Compliance Committee

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/about-us/non-statutory-bodies/">https://www.saec.ac.in/about-us/non-statutory-bodies/</a>

## 6.2 - Strategy Development and Deployment

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

### Curriculum Development

S.A.Engineering College is an Autonomous institution affiliated to Anna University; henceforth the curriculum is framed by concern department subject handling faculty. After getting approval from Board of Studies members, the curriculum is finalized and followed as prescribed by Anna University. Course Coordinators after discussing with the subject in charges decide any specific topics can be taught for better and easy understanding of the subjects. These topics are approved in DAC and framed as Content beyond Syllabus. CBS is followed for both practical and theory subjects.

### Teaching and Learning

Academic Excellence Committee monitors the effectiveness of teaching and learning methods followed in the college.

**Examination and Evaluation:**A customized COE software package has been introduced to facilitate the Measuring and Mointoring process.

### Research and Development

Faculties with PG degree are encouraged to register and pursue their doctorates.

### Library, ICT and Physical Infrastructure /Instrumentation

Our library is fully automated with AUTOLIB automation software

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/academics/#bos">https://www.saec.ac.in/academics/#bos</a>
Upload any additional information	<a href="#">View File</a>

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

**Service Rules:** The institution strictly follows the service rules according to the AICTE norms. It's been uploaded on the website too. The institution runs for 8 hours. The teaching and non-teaching faculty have the benefits of PF, ESI, Casual Leaves, Earned Leaves , Medical Leaves and Maternity leaves etc.,

(a) These rules shall be called "S.A. Engineering College, Chennai, Service and Conduct Rules" and comes into force from the month of August 2010. These rules supersede all the rules put into force, previously

. (b) These rules shall apply to all categories of employees (Teaching and Supporting Staff Members). Definition: (a) „College? means S.A. Engineering College, Chennai (b) „Trust? means Dharma Naidu Educational & Charitable Trust, Chennai.

(c) „Teaching Post? means a post carrying a definite scale of pay / consolidated pay sanctioned without limit of time and included in the cadre of sanctioned posts. (d) „Supporting Staff Members? means a person appointed in a Non-Teaching post to which no other person holds a lien.

**Appointing Authority:** Recruitment is taken place according to the norms of the University, a body comprising of Secretary, Correspondent, Principal, HOD and Subject experts decides the worthiness of the faculty member by his/her performance in the interview according to the parameters they are looking for.

**Appointment on Contract:** Appointment of faculty and other Staff Members can be made on contract basis by the Management subjected to the approval of the Management/Trust

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.saec.ac.in/about-us/#management">https://www.saec.ac.in/about-us/#management</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/policies-of-saec/">https://www.saec.ac.in/policies-of-saec/</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and**

A. All of the above

**Support Examination**

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<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 and avenues for their career development/ progression

The institution implements effective welfare programs for both teaching and non-teaching faculty. These programs include participation in various government initiatives such as Maternity Leave, PF and Health insurance, Pension, Commutation of Pension, Gratuity, and Earned Leave. Additionally, the institution encourages Faculty members to participate in Faculty Development Programs (FDP), including orientation programs, refresher courses, and short-term courses aimed at career advancement. As well the institution provide one day OD every week to do their research work at R& D lab of our institutions.

**Opportunities for Professional Growth and Development** The institution provides a range of training programs to support the professional development of its staff. These include initiatives for teaching faculty, such as item writing and research project training, Domestic staff are offered fire extinguisher training, while annual orientation sessions and workshops are conducted for teaching staff at the beginning of each academic year. Newly recruited staff receive dedicated training, and faculty members in self-financed streams are incentivized with salary hikes upon completing their PhD degrees.

**Supportive facilities and Services:**

To ensure a positive work environment, the university has established a Staff Grievance Redressal Cell to address employee concerns. Professional counsellors are available full-time to support both staff and students. Additionally, an indoor gaming facility is provided for staff members to promote physical and emotional rejuvenation.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2024/02/HR-Policy.pdf">https://www.saec.ac.in/wp-content/uploads/2024/02/HR-Policy.pdf</a>

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

2

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 programmes organized by the Institution for its teaching and non-teaching staff during the year**

23

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

236

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
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

Our Institution has a well-described economic gadget and techniques in vicinity for mobilizing and utilizing finances from diverse assets. The main supply of profits is through fee collection, and the institution plans out the usage of financial assets at the start of each educational year. The budgeting machine is used to allocate and correctly utilize monetary resources, and every transaction is recorded and updated in the centralized accounting gadget.

Internal audit: All vouchers are audited by an internal financial committee. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. External audit: At the end of every financial year, the income and expenditure statement are audited by a Chartered Accountant regularly as per the government rules. The auditor's report is prepared and submitted for the financial year.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/wp-content/uploads/2024/12/Audit-Statement-2023-2024.pdf">https://www.saec.ac.in/wp-content/uploads/2024/12/Audit-Statement-2023-2024.pdf</a>

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

NIL

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

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

##### Response:

Budgetary provisions are made use of for administrative and academic activities. Academic activities are given an equal weightage considering that all our courses are self-financing and hence self maintained

Budgetary provisions are utilized for:

- Infrastructure maintenance and development
- upgrading the existing institutional system
- Augmentation of library and laboratories.
- Introduction of new and relevant technology
- Improving the basic facilities provided to students and teachers
- Salary for staff
- Providing financial aid to needy students and staff
- Staff welfare measures
- Gym and other student's facilities
- To be prepared for unexpected and emergency situations
- Social activities and society welfare

##### • INSTITUTIONAL INITIATIVES FOR MOBILIZATION OF RESOURCES

The source of income for the institute is fees obtained from students of all courses.

If a condition so arises that the available budget is inadequate, then the Institution can meet with the deficit by taking aid from Trust.

Institute is also getting grants from various Government bodies and the grants are utilized to meet recurring and non recurring cost. And also grants are received from Non

Government bodies .

- The institute is committed to provide excellence in research. The institute has executed many major Research and Development projects. Donations from government and non government bodies, institutions are used for R&D.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/others/audit-statements/">https://www.saec.ac.in/others/audit-statements/</a>

## 6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) has played a pivotal role in institutionalizing quality assurance strategies and processes, resulting in notable incremental improvements over the past year, particularly during the First Cycle. Mandatory Online Courses: Students and faculty members were encouraged and advised to enroll in NPTEL/ MOOC courses to enhance their knowledge and standards.

Faculty members were advised to take NPTEL courses on OBE and 85% of the faculty members have completed and obtained certificate. Faculty with less than 6 years of teaching experience have been suggested to undergo courses in NITTTR.

Provision for Research: Faculty members pursuing PhDs were granted one full working day free from their regular workload to focus on their research endeavors. Additional benefits were also provided to support their academic pursuits.

Motivation for Publication: Since the 2023- 2024 academic year, staff and students have been encouraged to participate in Scopus-

indexed conferences to showcase their research findings and gain recognition for their scholarly work.

**Submission of Proposals:** Faculty members holding PhDs were motivated to submit research or event proposals. Rewards were given to those who successfully secured grants for their proposals. These initiatives reflect IQAC's commitment to fostering a culture of continuous improvement and academic excellence within the institution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/others/research-3/">https://www.saec.ac.in/others/research-3/</a>

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

The institution regularly reviews its teaching-learning processes, structures, and methodologies as part of its commitment to quality assurance and in alignment with the guidelines set by the Internal Quality Assurance Cell (IQAC) and the National Assessment and Accreditation Council (NAAC).

#### Teaching-Learning Processes:

1. **Curriculum Enhancement:** Regular updates to the curriculum are made based on feedback from stakeholders, industry trends, and academic advancements to ensure it remains relevant and comprehensive. 2. **Innovative Pedagogy:** Adoption of innovative teaching methods, such as flipped classrooms, blended learning, and interactive e-learning platforms, to enhance student engagement and learning outcomes. 3. **Assessment and Evaluation:** Continuous assessment through formative and summative evaluations, incorporating diverse methods such as quizzes, assignments, projects, and exams to gauge student performance comprehensively.

#### Structures:

1. **Academic Calendar:**

2. **Departmental Reviews:** and research outputs.

**3. Feedback Mechanisms:**

**Methodologies:** 1. Collaborative Learning: Encouraging group work and collaborative projects to foster teamwork, communication, and critical thinking skills among students.

2. Technology Integration: Leveraging technology in the classroom, including the use of smart boards, online resources, and learning management systems (LMS) to support and enhance the teaching-learning experience.

3. Faculty Development Programs: Regular workshops, seminars, and training sessions for faculty members to update their teaching skills, stay abreast of the latest educational trends, and incorporate best practices into their teaching.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.saec.ac.in/academics/#acdcal">https://www.saec.ac.in/academics/#acdcal</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.saec.ac.in/internal-quality-assurance-cell/">https://www.saec.ac.in/internal-quality-assurance-cell/</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

**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**

S. A. Engineering college regularly provides equal opportunities, hassle free environment for women faculties & Girl students. Women faculties have been given responsible positions in our college. Nearly 6 Women faculties are playing effectively their role as Head of the department. Girl students are given proper counselling by women Mentor to ensure that they are able to tackle the everyday problems in their lives.

The ICC is established for prevention of sexual harassment of women at campus as per "THE SEXUAL HARASSMENT OF WOMEN (PREVENTION, PROHIBITION & REDRESSAL) AT WORKPLACE ACT, 2013" for constitution of college Internal Complaint Committee (CICC).

On 8th March 2024, The Women Empowerment Cell, celebrated International women's day, "Shakthi", Ms. SukanyaSriram Co-founder Madras Blue Diamonds, motivated women faculties and girl students for their self growth.

In our college National Service Scheme (NSS) conducted various activities, PCOS awareness programs, school cleaning, International Yoga day celebration to develop the personality and character of the students through voluntary community service where in all the students both boys and girls from all the departments of our college actively participated in the events.

Our college provides, Ladies Hostel with well equipped Gym facility, CCTV camera for ensuring protection and safety.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.saec.ac.in/internal-complaints-committee/">https://www.saec.ac.in/internal-complaints-committee/</a>

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

**A. Any 4 or All of the above**

**power-efficient equipment**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

At. S.A. Engineering College, We believe that a clean, green and a pollution free environment provides an unblemished backdrop for an effective learning experience. **DEGRADABLE WASTE Solid Waste Management** The solid waste are collected and segregated as degradable and non-degradable waste and it is transported to the nearest municipal waste collection area through trucks. Proposed management of solid waste: Solid wastes are collected daily, dumped in pits excavated and allowed to decompose. Liquid waste management Waste water from college is cleaned and the recycled water is diverted to the garden to maintain plants inside the campus **NON-DEGRADABLE WASTE E-Waste Management** Old computers and its accessories are sold as scrap to M/s. VIROGREEN INDIA Pvt. Ltd., designated as authorized buyer by the Tamil Nadu Pollution Control Board. For this purpose, MoU has been initiated with the firm.

**Hazardous waste management:**

Hazardous chemicals are kept separately in the store room and Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals. The labs are well ventilated and equipped with exhausts. 24 hours water supply is available in labs and safety of the students is given top priority in planning a facility.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<b>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</b>	<b>A. Any 4 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ol>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geotagged 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	<b>No File Uploaded</b>
<b>7.1.6 - Quality audits on environment and energy undertaken by the institution</b>	
<b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> </ol>	<b>A. Any 4 or all of the above</b>

### 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

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

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

**We prioritize fostering an inclusive environment that mirrors India's secular principles. Every religion is acknowledged and treated equally, a cornerstone in preserving interfaith harmony. Our inclusive policies ensure equal opportunities for all,**

regardless of cultural, regional, or socio-economic differences upholding the value of harmony. . We organize and observe various festivals, encouraging students to embrace and understand each celebration, fostering a sense of belonging and acceptance. We grant holiday for all religious festival and dedicated Prayer time for Muslim students on Friday. From Pongal to Diwali, Onam to Dusshera, every festival is celebrated with grandeur, underscoring our commitment to fostering harmony.

As per the AICTE and Anna university guidelines, SC-ST students welfare committee had been formed for solving all affairs and problems of SC-ST students. Committee is working actively, all government SC-ST students welfare schemes to reach the students directly.

The equal opportunity cell has been established as per UGC guidelines which functions with a commitment to inclusivity and social equity through the following objectives, Equity and inclusion, Diversity, Supportive Environment, social sensitization of the Academic community, Empowering disadvantaged group, Redressal grievances, Informatyion Dissemination, Stremlining the admission process, Mobilizing Resources, Monitoring and Evaluation, Equitable participation, Sensitization and awareness.

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>

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

At our institution, sensitizing students and employees to their constitutional obligations is a core aspect of our educational approach. Through various initiatives, we aim to instil a deep understanding of constitutional rights, values, duties, and responsibilities. In addition to traditional classroom learning, we integrate these principles into the curriculum through dedicated courses like 'Indian Constitution' and 'Universal Human Values'. These courses provide students with comprehensive knowledge about the legal framework and moral principles outlined in our constitution. Moreover, employees undergo specific Universal Human Values training programs organized by AICTE, ensuring a holistic understanding of civic responsibilities.

Furthermore, our institution organizes a range of events and programs through our NSS Unit, International Yoga Day, personality development program, Youth Awakening Day, Social Justice day, Indian Constitution Day, Viksit Bharat program, Blood donation camp, Medical camps, Awareness programs on drug abuse, Road safety, Voters rights, Anti-corruption and untouchability, Indian Constitution Day, Health camps, and Awareness programs on drug abuse. These initiatives foster awareness and promote active citizenship among students and faculty, contributing to a better future for all.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

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 programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

At SAEC, we deeply value patriotism and cultural heritage, evident in our practice of singing the National Anthem and Tamil Thai Vazhthu at the beginning and end of all events. This tradition instils a sense of national pride and Tamil cultural identity among students and faculty alike. Our calendar is filled with events such as annual and cultural days, providing students with opportunities to showcase their talents, while the management acknowledges and rewards their achievements. Key national events including Independence Day, Republic Day, a Day on Sardar vallabhbai Patel, Martyr's day, National Consumer Day Social Justice day, Yoga day School cleaning program on Gandhi Jeyanthi and Women's Day are celebrated with great fervour and respect each year. Moreover, students actively engage in various competitions like essay writing, drawing, and speech contests, where participants are recognized and rewarded for their efforts. Our institution also embraces diversity by celebrating national festivals with reverence for all religions and cultures. In addition to these festivities, we regularly host guest lectures and events aimed at nurturing young leaders and achievers, contributing to the development of future contributors to our nation.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged 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 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Title: Striving For Sustainable Development Goals

2. Objectives of the Practice:

1. To enjoy health, justice and prosperity and to overcome poverty.
2. he institutional initiatives for greening the campus, plastic free, environmentwith eco friendly waste degradation, reducing overall Carbon footprints and

sustainable use of natural resources such as water and solar energy.

3. Healthier environment in the campus as well as for a healthier society in future.

### 3. The Context:

At S.A. Engineering College, We believe that a clean, green and a pollution free environment provides an unblemished backdrop for an effective learning experience. We have therefore left no stone unturned in the development of a green ecosystem to provide enrichment to the mind, heart and soul of the everyone in the campus.

### 4. The Practice:

Our College is committed towards creating an eco-friendly and sustainable campus. For environmental sustainability several practices are followed in the campus such as:

GOOD HEALTH AND WELL BEING

QUALITY EDUCATION

GENDER EQUITY

CLEAN WATER AND SANITATION

AFFORDABLE AND CLEAN ENERGY

REDUCED INEQUALITIES

CLIMATE ACTION

LIFE ON LAND

LIFE BELOW WATER

### 5. Evidence of Success:

1. Use of solar lamps
2. Rainwater recharging systems
3. Increased use of LED lights
4. E-waste collection and its recycling
5. Green and Energy audit

File Description	Documents
Best practices in the Institutional website	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%207/7.2%20best%20practices-%20NAAC%20FORMAT.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%207/7.2%20best%20practices-%20NAAC%20FORMAT.pdf</a>
Any other relevant information	<a href="https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%207/7.%202.1%20Best%20practices.pdf">https://www.saec.ac.in/wp-content/uploads/2025/01/NAAC/CRITERIA%207/7.%202.1%20Best%20practices.pdf</a>

### 7.3 - Institutional Distinctiveness

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

S.A. Engineering College offers research programme and the following departments are recognized as Research Center by Anna University to pursue Ph.D/M.S(By Research) Department of Electronics and Communication Engineering, Department of Mechanical Engineering, Department of Computer Science and Engineering, Department of Electrical and Electronics Engineering, Department of Artificial Intelligence and Data science Engineering. SAEC focuses on quality education through new knowledge, innovation and discoveries by state-of-the-art infrastructure and research facilities. Grants received from various National and International agencies like AICTE, CVRDE, ISRO, DST-FIST, DST-HSRs, SERB, MSME, University of Tenanga. Received Grant-in-Aid from various organization like CSIR, DST, DRDO, SERB, TNSCST, IEEE, ISTE, CSI, ACM for dissemination of knowledge through research programmes like FDP, Workshops, Seminar, Conferences to researchers, faculty and students community. Allocation of corpus fund to initiate and facilitate the students and faculty with a seed money for converting their new innovative ideas into prototype and models.

- As a part of the career enhancement, faculty members are thrown open to the opportunities to register for PhD degrees and various research activities.
- No of Patents filed:84
- Research grants: Rs. 22,21,917
- Event grant -08, Rs. 4,82,000
- Paper published : 271 . The number of publications in reputed, peer-reviewed journals, has been quite substantial.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.saec.ac.in/others/research-2/">https://www.saec.ac.in/others/research-2/</a>
Any other relevant information	No File Uploaded

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

1. To opt for additional intake of certain programme as per the current scenario.
2. To utilize the AICTE sponsored IDEA lab for multi disciplinary technical aspects with the aid of artificial intelligence.
3. To have MoUs with industry for enhancing Institute -Industry Interaction thereby to achieve research-based solutions for better prospects of Industry 5.0.
4. To formulate the curriculum and syllabus as per the requirements of the industries that includes internships as a part of the programme.
5. To intensify entrepreneurial activities through Entrepreneurship Development Cell.
6. To organize the value added courses through renowned Central government organizations for deepen Student's technical skills.
7. To make the institution energy conservative and also generate more energy from renewable sources to enhance the concept of Ecosystem.
8. To organize the IEEE International Conference for creating adequate awareness on 'Sustainable Development Goals'.
9. To enhance the process of coaching for competitive examination viceGate, counselling for career guidance and activities for placement.
10. To boost the morale of students, sports at state, national and international level will be coordinated and cultural activities will be arranged.
11. To brand our institution as The "Recognized Institution for Research center".

