YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	S.A.Engineering College
• Name of the Head of the institution	Dr.S.Ramachandran
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04426801999
• Alternate phone No.	04426801499
• Mobile No. (Principal)	9444001904
• Registered e-mail ID (Principal)	principal@saec.ac.in
• Address	Poonamalle Avadi Road, Thiruverkadu post, Chennai
• City/Town	Chennai
• State/UT	Tamil Nadu
• Pin Code	600077
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	17/10/2019
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr Koteeswaran S**
• Phone No.	**04426801999**
• Mobile No:	**9884378785**
• IQAC e-mail ID	**iqac@saec.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.saec.ac.in/wp-content/uploads/2024/01/AQAR21-22.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.saec.ac.in/wp-content/uploads/2023/02/UG-Higher-Sem-II-YR-MBAMCAME.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.11**	**2015**	**03/03/2015**	**02/03/2021**
Cycle 2	**A**	**3.11**	**2018**	**12/04/2018**	**31/12/2024**

6.Date of Establishment of IQAC	**02/07/2014**

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NIL	**NIL**	**NIL**	**Nil**	**NIL**

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

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

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	**Yes**
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

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

The format of academic and administrative audit is designed in-line with NAAC and NBA requirements. • Maintenance of quality as per NAAC Parameters • Institute level portfolios are defined for smooth execution of the activities at Institute level. • Feedback on faculties is taken based on various parameters including Teaching and skill upgradation. • The documentation format is revised which will be applicable for conduction of any activity in the institute

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

Plan of Action	Achievements/Outcomes
Preparation of academic plan	The academic calendar was executed during the session
Maintenance of quality as per NAAC Parameters	All the related activities were done in context to AQAR submission
NBA Accreditation	Computer science, Information Technology NBA accredited in 2023. • Teaching-learning process is improved.More ICT tools are used of teaching-learning process and assessments. • Industry resource persons are involved in projects, internships and trainings. • MoUs are done with number of companies.
NAAC Accreditation	AQAR report is uploaded for 2021-2022
Research and development	More number of good quality of publication • Filing patents based on research
Industry institute interaction cell	Expert sessions are conducted for teachers and students by industry resource persons • Students received internships
Use of ICT tools for teaching learning process	ICT tools are effectively used in teaching-learning process

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council Meeting	18/11/2023

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2023	15/02/2023

15.Multidisciplinary / interdisciplinary

In view of NEP 2020, SAEC has taken steps towards the multidisciplinary/interdisciplinary courses. Courses such as Humanity and social science, business communication skills are conducted for the students. Interdisciplinary projects to solve social problems are developed by the students as the part of project based learning and final year projects.

16.Academic bank of credits (ABC):

SAEC is affiliated to Anna University and has the choice based credit system. Currently we are acquired with choice based credit system (CBCS) and Academic bank of credits not inculcated in implementation process.

17.Skill development:

SAEC offers various skill developement programs and industrial oriented training to the students. The following are the skill development programs adopted by students:

STEP - Communication Training
Value Added Courses based on each programme needs Placement Training - Aptitude & Technical training

Faculty Developement programme - Support to learn Universal human values, Swayam NPTEL courses, Online MOOC courses

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

SAEC has implemented NEP 2020 by incorporating Indian knowledge systems through teaching in Indian languages, integrating cultural elements, and utilizing online courses. Facilities for learning SIP (Student Induction Programme) and Universal Human Values have been provided. Additionally, various programs aimed at promoting Indian culture are organized through Technical club activities. The institution al

so hosts numerous events and celebrations throughout the year to fur
ther foster cultural appreciation and understanding.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):
SAEC has well defined Program Outcomes (PO), Program Specific Outcom es (PSO) and Program Education Objectives (PEO) for each program. Th e POs, PSOs and PEOs are satisfied through the teaching- learning pr ocess and the additional programs conducted at the Institute. As the part of curriculum, each course has defined Course Outcomes (CO) wh ich are mapped to POs and PSOs. Assessment tools are designed consid ering the requirements of POs. The activities and programs are organ ized in the Institute to achieve POs. At the end of the semester, an alysis of PO, PSO attainment is done by each department.
20.Distance education/online education:
Institution is not providing any Distance education or online educat ion

Extended Profile

1.Programme

1.1   **15**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **2477**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **561**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.3 **561**

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

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.Academic

3.1 **618**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.2 **224**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	**15**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	**2477**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	**561**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	**561**
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**618**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**224**

Number of full-time teachers during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**218**

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**391**
4.2 Total number of Classrooms and Seminar halls	**98**
4.3 Total number of computers on campus for academic purposes	**1445**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**107485511**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The courses in all the programmes of S.A.Engineering College,Chennai are developed and implemented to fulfill the local,national and global developmental needs. The programmes offered by the departments have Board of studies which comprises the University Nominee, faculty members, the subject experts and the alumni and industry expert. Programme outcomes, programme specific outcomes and course outcomes are presented along with the syllabusin the Board of studies meeting.

Through Student Projects, Field works, Internships and collaborative surveys, acquired knowledge is transferred to and refined from local needs. Advanced learning encouraged through mandatory Interdisciplinary Open Courses, Internships, Value Added Courses and Online Courses through Swayam and Coursera Student projects related with local,national and global developmental needs are encouraged.

The Board of Studies of each department oversees the relevancy and requirements of the course in the programme that the department offers. As Board of Studies Meeting is conducted every year, it revises the courses as per needs. Though minor revision is a common practice, major revision is also done wherever is required. S.A.Engineering College adopts Choice Based Credit System from 2017 onwards for all its programmes. Students' and teachers' feedbacks are also used for the up gradation of the curriculum

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.saec.ac.in/academics/#bos

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

15

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

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

210

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

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

150

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

In order to integrate the cross cutting issues relevant to

gender,environment and sustainability, human values and professional ethics, the college has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social & ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students.

Girls and boys participate in various co-curricular activities such as paper presentations, project presentations, seminars, workshops, value added courses, internships and technical quiz programmes. Women protection cell is established in the college to look into the problems of girl students as well as lady staff members. Awareness programmes were also conducted on health & hygiene, women harassments for both students and staff.International women's Day is celebrated; girls are encouraged to participate. Faculty and students have delivered talks on Role of a citizen for women empowerment.

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

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

18

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

1192

File Description	Documents
List of students enrolled	View File
Any additional information	**No File Uploaded**

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

653

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

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.saec.ac.in/wp-content/uploads/2024/04/Action-Taken-Report.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.saec.ac.in/wp-content/uploads/2024/04/Action-Taken-Report.pdf
Any additional information	View File

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

1011

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

425

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The college employs various strategies to enhance students' learning skills. During the induction day, parents and students are informed about the course and rules. A bridge course is conducted to help students transition from school to college academics. Student counseling is provided to assess learning levels, and periodic class committee meetings are held to discuss and analyze difficulties. The college conducts training on value-added programs to meet industrial standards, and students are taken up for industrial visits to upgrade their knowledge. Slow learners are provided with question banks, remedial classes, special revisions before end-of-semester exams, and motivational programs from eminent personalities. Staff members post YouTube videos for their subjects, and activity-based learning helps students understand the subject clearly. Advanced learners are motivated to participate in workshops, conferences, symposiums, and competitions. We also encourage them to join professional

bodies, enroll in online learning, participate in mini projects, and participate in specific training programs for new technologies. Inter-departmental teams conduct Project Expos to enhance knowledge, and subject experts choose the best project. Students are exposed to e-content through national portals like NPTEL, the EduSAT Library, and the Digital Library.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.saec.ac.in/others/teaching-learning-2/

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
04/07/2022	2477	224

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

The institution prioritizes student-centric approaches to enhance learning experiences and cultivate lifelong learning skills. It offers a robust platform for students to refine their technical prowess by acquiring the latest skills, knowledge, attitudes, and values. The institution employs traditional methods such as chalk and board as well as modern audio-visual aids in teaching. Beyond classroom instruction, the institution encourages students to engage in experiential learning, participative learning, and problem-solving activities. Experiential learning practices include industrial visits, internships, field trips, real-time projects, value-added courses, and participation in simulated events. Participative learning includes seminars, group discussions, projects, and skill-based add-on courses. The institute also organizes annual cultural programs, student seminars, workshops, and professional training. All departments, including programming, electrical, electronics, and mechanical

engineering laboratories, encourage problem-solving skills. Students are given tutorial hours for problem-oriented courses in the Engineering Program. We also encourage activities like mini projects, hackathon participation, and class discussions. Activity-based learning allows students to engage in their 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 by enabling them to discover, practice, and think better through activity-based strategies.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.saec.ac.in/others/teaching-learning-2/

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

The modern world is increasingly reliant on information and communication technology (ICT) for education. The institute utilizes various ICT tools to enhance teaching-learning processes, such as laptops, LCD projectors, Wi-Fi, and smart boards. The college also uses internet connections for YouTube-assisted learning, and the Communicative English Department uses a language lab to improve students' listening, speaking, reading, and writing skills. The institute also provides seminar rooms, smart class rooms, and an auditorium with digital facilities. Online classes are offered through platforms like Zoom, Google Meet, Microsoft Team, and Google Classroom. The institute also uses digital library resources, including PowerPoint presentations and Industry Connect, for seminars and conferences.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.saec.ac.in/others/teaching-learning-2/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

168

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

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

S.A Engineering College, an autonomous institution affiliated with Anna University, Chenai, prepares a detailed academic calendar at the start of each semester, including start and end dates, examination schedules, value-added courses, and important functions. The college announces the calendar twice a year, highlighting teaching days and events. The Academic Excellence Committee (AEC) plans academic-oriented activities, including seminars, workshops, conferences, guest lectures, placement training, and cultural programs. Unit tests and internal assessments are conducted according to the academic calendar, with faculty advisors updating proctor cards and parents receiving attendance reports. Students are identified and given special coaching to improve their understanding and writing skills.

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

2.4 - Teacher Profile and Quality

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

224

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

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

53

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

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

1550

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	[View File](#)
Any additional information	**No File Uploaded**

2.5 - Evaluation Process and Reforms

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

36

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

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

356

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	**No File Uploaded**
Upload any additional information	[View File](#)

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 Autonomous College has been continuously carrying out of reforms in its examination procedure through integration of IT in all the procedures and processes of the examination system. The reforms have also been enforced in the continuous internal assessments modes and factors. Examination procedure has been fully automated using In house IT software**
- **Positive impact of reforms on the examination procedures and processes including IT integration and nonstop internal assessment on the examination operation system**
- **The college keeps its examination system open for modifications and thus strengthens it from time to time, ensuring the system fool proof and address the grievances of students, if any.**
- **The institutional reforms in all the activities of the examination system are kept at par with the reforms strapped by the AICTE for various engineering disciplines.**
- **The drivers for reforms in examination system of Indian engineering education taken up by the premier technical institutions have been incorporated into our examination system and they include OBE- frame work for assessment process, evaluation of higher order abilities and professional skills in different forms like MOOCs, internship experience and project works, Bloom's taxonomy for assessment design etc.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.saec.ac.in/examinations/

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 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)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	https:www.saec.ac.in/others/

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

(a)Attainment of Course Outcomes:

A continuous assessment process is adapted to gather data for the course outcome evaluation. The process of CO evaluation is basically divided into direct and indirect assessment method. Direct Assessment process is subdivided into a) Continuous Internal Assessment (CIA) b) Semester End Examination (SEE).

Direct Assessment Process

Direct assessment process is based on assessment methods such asInternal Assessment 1, Internal Assessment 2, Internal Assessment 3, Assignments, Seminar, Group activity etc to assess specific learning objectives. It allows for a focused evaluation of targeted skills or knowledge, providing valuable insights for decision-making and continuous improvement.

Indirect Assessment Process

Indirect Assessment Process for calculating Course Outcome is the Course End Survey (CES).

CES is taken from all the students at the end of the course. It is then consolidated to get the attainment level of student understanding for each Cos.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https:www.saec.ac.in/academics/

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

543

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

https://www.saec.ac.in/others/naac-accreditation/

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

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updated and there is a well-defined policy for promotion of
research which is uploaded on the institutional website and
implemented

The Institution has a Research Advisory committee comprising of
Research Development Coordinator, acting as a point of contact to
Department Research coordinators, to monitor all kinds of research
activities and facilitate high-quality research publications.

Research Centers are established in various departments of the
institute with necessary software and computing facilities for
carrying out research activities. Departments of ECE,CSEMechanical
has a Research Centre recognized by Anna university and we are
bound by the regulations and policies laid by the university.

The Institution offers Seed Money to encourage faculty members,
research scholars, and students to participate / collaborate in
research activities and apply for research grants to funding
agencies. The award of Crescent Seed Money will be based on the
quality of the research proposals and the required budget to
execute the research work

The Institution offers annual Research Incentives to motivate the
faculty members to publish quality research publications, availing
sponsored research projects, patent filing process, and other
research-related activities.
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File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<u>View File</u>
Provide URL of policy document on promotion of research uploaded on the website	<u>https://www.saec.ac.in/others/research-2/</u>
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)

24445

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	**No File Uploaded**
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<u>View File</u>
List of teachers receiving grant and details of grant received	<u>View File</u>
Any additional information	<u>View File</u>

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)	<u>View File</u>
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)

89,08,470

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.saec.ac.in/others/research-2/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

14

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

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

3

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	https://www.saec.ac.in/others/research-2/
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. It plays a

> **vital role in carrying out the functions such as Intellectual Property awareness among students, faculties through streamlined awareness campaigns, short-term Intellectual Property modules andseminars.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.saec.ac.in/others/research-2/

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

3

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	**No File Uploaded**

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**B. Any 3 of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	**No File Uploaded**
Any additional information	**No File Uploaded**

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

3.4.2.1 - Number of PhD students registered during the year

10

File Description	Documents
URL to the research page on HEI website	https://www.saec.ac.in/others/research-2/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

237

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

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

4

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

8353

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

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

3.4.6.1 - h-index of Scopus during the year

44

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

3.5 - Consultancy

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

14,75,000

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	**No File Uploaded**
Any additional information	View File

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

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	[View File](#)
List of training programmes, teachers and staff trained for undertaking consultancy	**No File Uploaded**
List of facilities and staff available for undertaking consultancy	**No File Uploaded**
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 not only excels in academic & curriculum but also in other activities like NSS, YRC etc., for the holistic development of the student community. The NSS unit of S.A. Engineering College takes part in various activities organized by the government. Since 2014-2015, we have been regularly conducting such kind of awareness program on our campus.

The list of events conducted during the year 2022-23 is listed below:

- **International yoga day celebration**
- **Covid-19 vaccination camp**
- **Monsoon awareness programme**
- **NSS Day Celebration -consumer awareness programme NSS Day Celebration - Motivation on social services**
- **Cancer awareness programme**
- **Awareness programme on drug abuse**
- **Awareness programme on no plastic**

- **Republic day celebrations National dewarming week program**
- **DRDO/CVRDE sponsored special lecture program**
- **Fire safety awareness program**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

38

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

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

11

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

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

1215

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

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

285

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	**No File Uploaded**

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

13

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The Institution was established in 1998-1999 by the Dharma Naidu Educational & Charitable Trust, the college holds AICTE Delhi approval and Anna University affiliation. Offering 9 U.G and 6 P.G programs, with 4 U.G programs as research centers, it features 54 ICT-enabled classrooms, 62 laboratories, Wi-Fi, a well-stocked library, fire safety, 1320 systems, comfortable hostels, and hassle-free transportation.

- **The institute updates infrastructure to meet AICTE/Anna University standards. It has 71 classrooms, 62 labs for UG and PG programs. Modern labs enhance practical learning. 54 tech-enabled classrooms with LAN/ Wi-Fi, LCD projectors, and smart boards improve teaching. Smart classrooms host seminars, workshops, and symposiums.**
- **College labs have advanced gear; each department offers computing facilities with the latest software. Students are encouraged to explore emerging research.**

- The library is spacious and housing 55,732 books, 17,310 titles, 9,329 e-books, 1,643 journals, and 6,478 CDs/DVDs. Accommodating over 200 users, it offers DELNET, IEEE, SCOPUS, NPTEL SPOC memberships, and internet-enabled computers.
- The institution provides a medical clinic on-site, managed by Dr. GNANAM M.B.B.S, ensuring student and staff health. Additionally, a fleet of 30 buses facilitates transportation for students and staff. The multi-cuisine cafeteria accommodates 400 individuals, catering to guests, visitors, staff, and students' culinary preferences.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.saec.ac.in/resources/

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

S A Engineering College's Physical Education Department, helmed by Dr. A. Ramakrishnan, Mr. S. Mathew, and Ms. Thenmozhi, orchestrates a comprehensive sports program, utilizing extensive indoor and outdoor facilities, including a fully equipped gymnasium, to nurture physical fitness and mental acuity among students.

Students undergo training across various sports disciplines, preparing them for success in inter-collegiate, zonal, and national level competitions. Coaching encompasses sports such as Ball Badminton, Basketball, Cricket, Volleyball, Kho-kho, Hockey, Handball, and Table Tennis.

The college incentivizes sportsmanship by offering travel allowances, sports kits, and tuition fee concessions, with additional support through a seed program for national-level athletes. Notable events like the SA Trophy tournament, Anna University Inter Zonal and Zonal Tournaments, and the Annual Sports Day and Intramurals enrich the college's sporting calendar.

Students have practice sessions scheduled from 2:00 pm to 4:00 pm.. The college has well-equipped gymnasium, promoting overall health and mental well-being, while the Yoga Center enhances spiritual wellnessamong students.

S.A Engineering College hosts dynamic cultural celebrations. These events inspire students to cultivate their diverse talents through activities such as solo and group dance, singing, mime, essay writing, vegetable carving, and Rangoli. Student talents shine in both on-stage and off-stage performances.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.saec.ac.in/nss-activities/

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

70

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

207.70

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

4.2 - Library as a Learning Resource

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

SA Engineering College Central Library operates with advanced AutoLib Software Version 6.2 (Web Based), facilitating services

like e-Gate Register, Circulation, and Web OPAC. It hosts an extensive collection comprising 57,522 volumes, 22,242 titles, 13,452 e-books, 126 printed journals, 1,934 e-journals, and 8 newspapers. The organization of books is according to the Dewey Decimal Classification Order (DDC), allowing users to search by various parameters like author, title, Acc. No., publisher, or subject heading.

A distinctive feature, the WEB OPAC, enables remote access to bibliographic details, offering convenience to users. Remote access extends to searching resources such as books, journals, question papers, and e-books, as well as facilitating book renewal and reservation.Moreover, the e-Library section provides internet-enabled systems for educational and research purposes, along with a collection of non-book materials including CDs, DVDs, and periodicals. The institution adheres to an Open Access System, complemented by departmental libraries for faculty, students, and research scholars.

Furthermore, the Central Library subscribes to Elsevier (Science Direct) online journals and is affiliated with prominent organizations like DELNET, e-Shodh Sindhu, and NDLI. It also offers NPTEL course content videos for teacher training and student enrichment, augmenting the academic resources available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.saec.ac.in/resources/

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

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

18.46

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

500

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

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

The institute maintains a comprehensive IT policy, subject to regular updates and amendments as necessary to align with institutional needs and evolving technological landscapes. These updates are guided by regulatory requirements and industry standards, ensuring that the institution's IT infrastructure remains compliant and up-to-date.

Continuous upgrades to essential components such as Wi-Fi networks, cybersecurity measures, software systems, and ERP solutions are prioritized to enhance operational efficiency and security posture. Formal approval of the IT policy by both the academic council and the board of governors underscores institutional commitment and accountability.

Clear acceptable use policies extend to employees, students, vendors, and visitors, outlining permissible behaviors and

responsibilities concerning IT resources. Specific guidelines govern procurement procedures, hardware and software installation, and network management, promoting standardization and efficiency across the institution.

The enforcement of IT policies is emphasized, with explicit consequences outlined for violations, including disciplinary actions where necessary.Formal IT policy has been approved by Academic Council and Board of Governance (BOG).

Monitoring mechanisms are in place to ensure compliance with IT policies, enabling prompt detection and resolution of any deviations or unauthorized activities. Additionally, a feedback mechanism allows stakeholders to provide input, report issues, or suggest improvements, fostering a culture of continuous improvement and accountability in IT governance.

Student Computer Ratio

As per AICTE norms student ratio to PC for Undergraduate is 1: 10 but we are maintaining 1 : 5 .

Bandwidth

Provide Name :Pulse Telesystems Private Ltd

Bandwidth : 100 MBPS (1:1)

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.saec.ac.in/resources/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2477	1320

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in | A. ?50 Mbps

the Institution and the number of students on campus

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

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

B. Any three of the above

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.saec.ac.in/video-lecture-cse/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

457.26

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

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

The maintenance procedures at S.A. Engineering College are as follows:

- **Physical Facility Maintenance: Mechanical Engineer oversees various aspects such as estate, RO system, furniture, etc.**

- Electrical Engineer manages public addressing, CCTV, etc. Transport Manager conducts routine maintenance on transportation facilities.
- Classroom and Laboratory Maintenance: Faculty and department heads oversee maintenance. Laboratory assistants manage lab upkeep and report repairs. Department staff monitor lab usage, and students use classrooms for programs.
- Seminar Halls and Auditorium Maintenance: Department heads oversee lecture hall maintenance. Mechanical team ensures auditorium cleanliness. Events require department head approval, with resource usage recorded.
- ICT Facilities Maintenance: Electrical engineers handle computer repair and ICT infrastructure. Annual maintenance includes software installation, etc. Wi-Fi maintenance is overseen by a college system programmer.
- Sports and Games Facility Maintenance: The Physical Director maintains grounds, courts, etc. Seasonal maintenance is conducted annually, with routine checks by staff. Stock verification is done yearly.
- Campus Cleanliness Maintenance: Housekeeping staff cleans campus daily, with supervisor reporting to maintenance engineer.
- Library Maintenance:Library maintenance encompasses tasks like organizing books, managing digital resources, repairing materials, and ensuring cleanliness and safety. Regular upkeep enhances the user experience for patrons.

These procedures ensure a conducive learning and research environment.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://www.saec.ac.in/resources/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1206

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

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

89

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

File Description	Documents
Link to Institutional website	https://www.bing.com/ck/a?!&&p=2eb40d360658276cJmltdHM9MTcxMjQ0ODAwMCZpZ3VpZD0xNDU5YTkyYi04NWMzLTY3NTAtMzQzOC1iYTEzODQ2ZTY2ZWImaW5zaWQ9NTI0NA&ptn=3&ver=2&hsh=3&fclid=1459a92b-85c3-6750-3438-ba13846e66eb&psq=saec+insitiyuional+liunnk&u=a1aHR0cHM6Ly93d3cuc2FlYy5hYy5pbi8&ntb=1
Details of capability development and schemes	View File
Any additional information	View File

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

611

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

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

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	[View File](#)
Details of student grievances including sexual harassment and ragging cases	[View File](#)
Upload any additional information	[View File](#)

5.2 - Student Progression

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

392

File Description	Documents
Self-attested list of students placed	[View File](#)
Upload any additional information	[View File](#)

5.2.2 - Number of outgoing students progressing to higher education

22

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	[View File](#)
Any additional information	**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

0

File Description	Documents
Upload supporting data for students/alumni	[View File](#)
Any additional information	**No File Uploaded**

5.3 - Student Participation and Activities

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

23

File Description	Documents
e-copies of award letters and certificates	[View File](#)
Any additional information	[View File](#)

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

The Institute has a student council constituted with academically strong students as its body. It operates with a sense of responsibility in dealing with the student concerned activities. The Institute also encourages participation of student representatives in various decisions making, academic and

administrative committees, this enable them in acquiring better academic environment. Student opinions and suggestions are considered to take measures in view of students' perception. Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IEEE, ISTE etc . Also student members are involved in several Institute and Department level committees with active participation. They are explained below.

Internal Quality Assurance Cell (IQAC)

Women empowerment cell

Antiragging Committee

Hostel Committee

Customer Related Process Committee (CRP)

SC / ST Student Welfare Committee

NSS Committee

Sports

Industry – Institution Interaction cell

Internal Complaints Committee

In addition to the above, the students are involved in organizing Technical fest, Cultural fest and National Level Sports fest. Student members of all professional societies and student clubs (Technical and Non technical Clubs) actively take part in hosting their respective events.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.saec.ac.in/internal-quality-assurance-cell/

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

9

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

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

- **Industry-Institute Interactions and Student Support: Alumni supports in the Department Advisory Committee Meeting and give suggestions about changes in curriculum and syllabus, industry requirements, skill expected in industry for recruitments.**
- **Alumni felicitate internships and placements for present students, allowing them to gain real-world experience and industry exposure by conducting mock interviews.**
- **Alumni serve as a platform for entrepreneurial initiatives. By connecting industrial and entrepreneurial alumni, our institution fosters a culture of innovation and collaboration. Alumni networking opportunities within the alumni community inspire and support aspiring entrepreneurs, facilitating knowledge sharing, partnerships, and access to resources.**
- **The collaboration between faculty and alumni in research and development activities is another area where alumni associations prove invaluable. Alumni, often employed in corporate research and development centres, bring industry expertise and resources to academic institutions.**
- **Alumni guide in career development programs and obtaining internship for students.**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.saec.ac.in/alumni-council/

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs

File Description	Documents
Upload any additional information	[View File](#)

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

VISION:

To transform our institution into 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	www.saec.ac.in

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, budged 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:

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 .

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	View File
Upload any additional information	View File
Paste link for additional Information	https://www.saec.ac.in/about-us/non-statutory-bodies/

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 currently for First years. The second years, thirdyears and fourth years are following 2017 regulation 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. CBCS is followed for both practical and theory subjects.

Teaching and Learning

Academic Excellence Committee : 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 MM 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 MODERNLIB automation software.

(Herewith attached the detailed information in 6.2.1.docx)

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	https://www.saec.ac.in/resources/library/
Upload any additional information	View File

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

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 .

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

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

Effective welfare programs are implemented by the university for both teaching and nonteaching faculty. The College arranges to participate in all government programs, including Maternity Leave, Earned Leave Accrual, Pension, Commutation of Pension, Gratuity, and Earned Leave.Health Fund Scheme, Medical Facility, Leave on Overseas Project or Conference Permission to participate in FDP, including orientation programs, refresher courses, short-term courses, etc., for the advancement of teaching and non-teaching staff members' careers.

Paths for Professional Growth and Advancement A variety of other training programs, such as item writing and research projects for teaching fraternity, training on the Public Finance Management System, Ms. Office non-teaching staff, and waste management, operating fire extinguisher training for domestic staff, and annual orientation and workshops for teaching staff at the start of every academic year, initiated and training programs for the newly recruited staff, and incentives in the form of salary hikes for the staff of the self-financed stream for completing their PhD degree.

There is a Staff Grievance Redressal Cell to handle staff grievances; full-time professional counselors are available for staff and students; and there is an indoor gaming facility for staff members to unwind and rejuvenate both physically and emotionally.

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

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

39

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<u>View File</u>

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

147

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<u>View File</u>
Upload any additional information	**No File Uploaded**

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.)

355

File Description	Documents
Summary of the IQAC report	*View File*
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	*View File*
Upload any additional information	**No File Uploaded**

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	*View File*
Paste link for additional information	https://www.saec.ac.in/others/audit-statements/

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

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

The institution places high importance on its growth and sustainability through well-structured planning and resource mobilization. This approach incorporates consultations and expert insights during planning and periodically reviews resource allocation and use.

Mobilization of funds: Students are admitted as per the rules and regulations of Government of Tamil Nadu Higher education department and the Institution is affiliated to Anna University, Chennai. Mobilization of funds in the institution is through Collection of students' Tuition fees.

Institute has an efficient plan for the use of budgeted fund for each Academic year. The sanctioned budget and actual expenses are maintained in accounts department by the specific guidance from the management and the Principal.Optimal utilization of funds is ensured by the financial committee Allocating adequate funds for effective teaching-learning practices including conduct of FDPs, orientation programs, workshops, conferences, inter-disciplinary activities, and consistent upgradation of laboratories, library and sports facilities. Utilizing funds to meet day-to-day operational and administrative expenses and maintenance of the fixed assets Providing adequate funds for development and maintenance of infrastructure

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.saec.ac.in/others/audit-statements/

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)

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 the First Cycle):

Incremental improvements made during the preceding year with regard to quality and post-accreditation qualityinitiatives Overall Research and Event Grants from the inception are Research grant count=6 Research grant amount=89,08,470 Funding count= 2 Funding amount =1,40,000 Research Publication Count-850 SCI PAPERS PUBLICATION- 70 SCOPUS PAPERS PUBLICATION-237 PATENT PUBLISHED-73

Grant of Rs.50,000 sanctioned from IEEE for Scheme for Promoting Interests, Creativity and Ethics among Students(SPICES) Coordinated by Dr.R.Geetha,CSE

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.saec.ac.in/others/internalquality- assurance-cell/

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

We have a streamlined mission for all the departments to create challenging Engineers, Managers and Entrepreneurs with professional competency, outstanding leadership qualities, personal integrity, compassion to ethical issues and empathy for the weak and the less privileged. The Uniqueness of the institution is as follows: · Aesthetic Infrastructure · Exceptionally Proficient Faculty · Internship in Renowned Companies · Peerless Program Structure · Industry Institute Interaction · Training by Industries · Pragmatism in Learning · Real-time and Live Projects · Challenging Career Excellence · Identifying & Instigating the Real talents of the staff and students · ISO/NBA Designed Modules · Encouraging staff and

students to update the knowledge through online courses like MOOC, NPTEL, COURSERA etc. • Motivation for staff and students to ensure quality teaching andeducation • Research Ecosystem • Centers for Excellence • Institute Innovation Council • Anna University recognized Research Centre in Mechanical, ECE, EEE CSE Departments. • Pursuit of Higher Studies by Staff • Industry running Laboratories • The conferences, workshops, guest lectures and industrial visits are being conducted in all departments to motivate the staff and students in Engineering and develop their skills and strengthen the staff in latest trends and technologies

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.saec.ac.in/others/internalquality- assurance-cell/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

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

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Our college regularly provides counselling to students to ensure that they are able to tackle the everyday problems in their lives. It aims at making the students capable of participating in the entire development process in a creative and constructive way. In our college National Service Scheme (NSS) conducted various activities, like Mass campus 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.

The Women Empowerment Cell of S.A. Engineering College, Chennai 77, conducted an awareness program on "Sexual harassment of Women at Workplace (Prevention, Prohibition & Redressal)" , the guest of honour Mrs.Adhilakshmi Logamurthy, Advocate Bar Council of T.N.& Secretary Women Lawyer Association, enlighted the students with her speech. On 8th March 2023, International women's day – Shakthi'23 was celebrated in our college campus. Ms. Ms.Supriya Padmanabhan, CEO & Chief Amazement Officer, My Persona, Chennai was the Chief Guest and she addressed the gathering with her phenomenal speech.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	B. Any 3 of the above

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	No File Uploaded

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

Solid waste management: At S.A. Engineering College 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. Solid wastes like leaves are collected and dumped in pits excavated for this purpose inside the campus area and allowed to decompose.

Liquid waste management: Waste water treatment aims to remove contaminants from water , hence the waste water is recycledand the recycled water is diverted to the garden to maintain plants inside the campus.

Hazardous waste management: Hazardous chemicals are kept separately in the store room away from the reach of students. Lab in-charge takes care of the chemicals and safety norms in the laboratory are strictly followed. 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 spacious 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	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	C. Any 2 of the above

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

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

At our institution, we prioritize fostering an inclusive environment that mirrors India's secular principles. Here, we celebrate religious diversity, recognizing and respecting every individual's freedom to practice their chosen faith. Every religion is acknowledged and treated equally, a cornerstone in preserving interfaith harmony. It is essential that everyone contributes to understanding and upholding the value of harmony. Through initiatives like interfaith dialogues and cultural exchanges, we promote understanding and respect among students and staff from diverse backgrounds. Our inclusive policies ensure equal opportunities for all, regardless of cultural, regional, or socio-economic differences. We organize and observe various festivals, encouraging students to embrace and understand each celebration, fostering a sense of belonging and acceptance. From Pongal to Diwali, Onam to Dusshera, every festival is celebrated with grandeur, underscoring our commitment to fostering harmony within our college community.

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

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

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, including International Yoga Day, Covid-19 Vaccination camps, Youth Awakening Day, 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	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution	**D. Any 1 of the above**

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

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	**No File Uploaded**
Any other relevant information	View File

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, 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	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1.Title of the Practice

Assessment of Programme Outcome

2.Goal

The aim of the practice "Assessment of Programme Outcome" followed by the Institute is to create a platform to enrich Students Performance and Placements, motivate to do higher studies to improve global economy and faculty productivity.

3.Context

Every semester, Result Analysis is done to evaluate students' performance and corrective measures are taken for further improvement. Placement records are analyzed every year and feedback from the employers is also collected. Industry oriented training is imparted to the students to enhance their employability skills. Up gradation in acquiring updated technical skills is ensured through innovative projects.

4.The Practice

Distribution of responsibilities in teaching and learning is mapped to effect significant Strategic change and enforce institution-wide policies. Caliber of the faculty is identified for successful implementation of reforms to strengthen their commitment to improve quality teaching. Heads of departments are given explicit responsibilities for nurturing quality teaching and learning and ensure that the leadership responsibilities are utilized to achieve the desired results.

5. Resources Required

1. **Faculty Development Programs: Workshops, seminars, and training sessions to enhance teaching skills and stay updated with industry.**
2. **Industry Collaborations: Partnerships with companies for internships, guest lectures, and industry-relevant projects**

File Description	Documents
Best practices in the Institutional website	https://www.saec.ac.in/wp-content/uploads/2024/04/Best-Practices.pdf
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

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

Research & Development

S.A. Engineering College offers research programme and the following departments are recognized as Research Center by Anna University to purse Ph.D/M.S(By Research)

- **Department of Electronics and Communication Engineering**
- **Department of Mechanical Engineering**
- **Department of Computer Science andEngineering**
- **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 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. A large number of faculty members in various departments are pursuing Ph.D. programmes. The number of publications in reputed, peer-reviewed journals, which is a good sign of research output, has been quite substantial during the last three years. Interdisciplinary approach is being used to address common issues in society.

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File Description	Documents
Appropriate link in the institutional website	https://www.saec.ac.in/others/research-3/
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

1. To introduce new programmes as per the current scenario.
2. To materialize technology up gradation.
3. To have MoUs with industry to achieve research-based solution.
4. To make the institutiona source of technology transfer and training.
5. To sign MoUs with industry to achieve research-based solutions and for better prospects
6. To make the institution energy conservative and also generate more energy from renewable sources to enhance the concept of green system.
7. To enhance coaching for competitive examination, counselling for career guidance and placement cell.
8. To boost student activities in cultural and games and sports at state, national and international level.