Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**S.A. ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr.G.S.Kumarasamy**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04426801999**
Mobile no.	**9444035504**
Registered Email	**saec@saec.ac.in**
Alternate Email	**principal@saec.ac.in**
Address	**Poonamallee -Avadi Main Road, Veeraragavapuram, Thiruverkadu Post**
City/Town	**Chennai**
State/UT	**Tamil Nadu**
Pincode	**600077**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.N.Anusha**
Phone no/Alternate Phone no.	**04426801999**
Mobile no.	**9941165566**
Registered Email	**saec@saec.ac.in**
Alternate Email	**iqac@saec.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://saec.ac.in/internal-quality-assurance-cell

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://saec.ac.in/pdf/ACADEMIC%20CALENDER%2018-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.11**	**2015**	**03-Mar-2015**	**02-Mar-2020**

6. Date of Establishment of IQAC

02-Jul-2014

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC Meeting	**21-Dec-2018**	**30**

	45	
IQAC Meeting	27-Jun-2018 45	30
Academic Administrative Audit	11-Dec-2018 2	12
Participation in NIRF	15-Mar-2019 1	12
ISO Certification Audit	06-Jul-2018 2	3
NBA Audit	20-Feb-2019 2	3

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Information Technology	EDP	EDII, Ahmedabad	2018 1	40000
Electronics and Communication Engineering	Workshop	BRNS	2018 2	50000
Electronics and Communication Engineering	IEEE Photonics Society Annual Grant	IEEE	2018 1	171300
Computer Science Engineering	Seminar	TNSCST	2018 1	15000
Electronics and Communication Engineering	Project	TNSCST	2018 1	7500
Electronics and Communication Engineering	Project	ISRO	2018 2	2744000
Mechanical	SEED	DST	2018 2	2781778
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**

Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

IQAC is constantly evaluating teaching learning process through feedback. 2. Strengthening the campus placements process to provide job opportunities for the Students. 3. IQAC has taken initiative to update ISO standard to ISO 2015 standard 4. IQAC has taken initiative to make the institution an Autonomy one 5. IQAC has taken initiative to renew the NBA accreditation status to 3 departments namely Computer Science Engg , Electronics and communication Engg and Information Technology

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Proposal and plan to conduct National Level Seminars,Conferences,workshops,symposiums,FDP etc.,	National level conference,workshops,seminars,symposiums,FDP were conducted across the departments.
Plan for Industrial visit and Educational Tours	Visiting various Industries for updating current scenario to students
Research Activities	Faculty Members were encouraged to apply for research projects to various funding agencies and also they have monitored for the same.
Taken initiative to update ISO standard to ISO 2015 standard	ISO 2015 standard been implemented during July
Taken initiative to make the institution an Autonomy one	Waiting for UGC Peer team visit date.
Taken initiative to renew the NBA accreditation status to 3 departments namely Computer Science Engg , Electronics and communication Engg and Information Technology	Received Accreditation Status of NBA for 3 departments during March 2019
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**No**
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**

Date of Visit	**21-Feb-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**18-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Yes. The institution has a MIS named Insproplus. It has 19 modules and each module is sectioned into Master, Operation and Report headers. The master module take cares of master setting activities that usually been performed once for a task. Operation module is the important modules that takes care of day to day activities. The operations such as mark entry, attendance entry, timetable entry etc., are performed by the individual staff, process owners, HR personnel, etc., finally, he important section is the Reports section where many reports are generated based on the data entered through operation modules. Almost all the needed reports are generated by the reports section in all the modules**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The college is affiliated to Anna University (AUC), Chennai; Accredited by NAAC 'A' Grade, NBA Accredited & ISO 9001:2015 Certified Institution follows the curriculum prescribed by the university. Our academic calendar is based on the timeframe provided by the university. The Heads of all the departments prepare academic calendar and guidelines after discussing the pros and cons of each. This academic committee decides the best methods to successfully implement the curriculum. Commencement and conclusion of academic term, unit tests, internal tests, oral/ practical examination schedule mock oral /practical schedule etc. Academic Calendar The academic calendar is prepared well in advance and circulated to all the Staff members. ? The subjects are allotted to the staff members as per their interest. ? The lesson plan and instruction plan, indicating the topics covered lecture wise, for each and every subject is prepared by the faculty before the commencement of the semester and it is duly approved by the Head of the Department and Head of the Institution. ? Question banks, Lecture Notes and Lab Manuals are prepared by the Staff members verified

by Academic Excellence Committee and are provided to the students. ? Question Banks, Lecture notes and Lab Manuals are uploaded in the web portal well in advance which helps the students to improve Learning Process. Academic Excellence Committee ensures effective delivery of the curriculum by properly implementing the plan. A choice of elective subject to be opted in final year is taken from the third year students during their end semester examination. Depending upon the majority of students opting for a particular subject, the elective subjects are finalized and faculties having flair for teaching that subject are allocated those subjects in teaching load distribution .Time table for various classes is prepared by the time table in-charge. Master time table, Individual time table, laboratory time table are prepared. All these Time tables are duly signed by the HOD and Principal. Members of Academic Excellence Committee monitor the conduct of academics. College has Student Mentors scheme under which a batch of maximum 20 students is allocated to one faculty who has to take care of those students as if he/she is mentor of the student. Unit tests, Internal Tests and retests are conducted as per examinations pattern for the self-evaluation of the students. Mock Oral/Practical sessions are conducted to make student aware about oral/practical examination. Monitoring of project work of final year students is also done periodically.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepene urship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	14/06/2018
BE	Computer Science and Engineering	14/06/2018
BE	Electronics and Communication	14/06/2018
BE	Electrical and Electronics Engineering	14/06/2018
BE	Mechanical Engineering	14/06/2018
BTech	Information Technology	14/06/2018
ME	Computer Science Engineering	14/06/2018
ME	Communication Systems	14/06/2018
ME	CAD/CAM	14/06/2018
ME	Embedded Systems Technologies	14/06/2018
MBA	Business Administration	14/06/2018

MCA	Computer Applications	14/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
No Data Entered/Not Applicable !!!		

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
AutoCad (Second Year)	02/07/2018	65
Electronic Surveying (Total Station GPS) (Third Year)	18/06/2018	77
Staad Pro (Final Year)	14/06/2018	110
PYTHON with MYSQL MongoDB	18/06/2018	166
JAVA	19/07/2018	167
INTERNET OF THINGS	18/06/2018	164
PHP and MySQL	17/12/2018	167
ADVANCED JAVA	24/12/2018	166
C with Data Structures	28/06/2018	166
C and C Training	02/07/2018	170
JAVA Training	18/06/2018	160
Raspberry pi with Python Programming	12/12/2018	170
JAVA Training	20/12/2018	170
Robotics and Industrial Automation	25/06/2018	92
Programming Skills (C, C)	02/07/2018	197
Hands on Training in Arudino	31/01/2019	83
Core JavaOCJP Syllabus	03/01/2019	83
Python with MySQL and Mongo DB	16/07/2018	51
Core Java	18/06/2018	53
Internet of Things	02/07/2018	52
PHP with MYSQL	07/12/2018	51
J2EE	07/01/2019	52
AUTO CADD	18/06/2018	182
SPARK AUTOMATION	09/07/2018	174
ANSYS	16/07/2018	202
Introduction to capital market	26/07/2018	47
HR Practices	14/09/2018	66
NISM – Mutual Fund	14/09/2018	46

| | Distributors Module | | |

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	101
BE	Computer Science and Engineering	142
BE	Electronics and Communication Engineering	154
BE	Electrical and Electronics Engineering	169
BE	Mechanical Engineering	128
BTech	Information Technology	52
MBA	Business Administration	112
MCA	Computer Applications	30

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The development and growth of any organization, to a large extent depends upon a well functioning feedback system. It requires a thorough preparation to initiate, and implement the feedback system. This college has been practicing many feedback systems accommodating all the stakeholders including staff, students, alumni and parents for many years to help the individuals and organization as a whole to improve the performance and effectiveness of the Institution . The Institution established Academic Council in order to ensure and analyse the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, AntiRagging etc FACULTY Feedback is obtained from both the faculty members in our college and other institutions who serve as chief guests for conducting workshops, seminars and Faculty Development programs. PARENTS Parents are important stake holders of this system. Parents meeting is periodically conducted in this college and their suggestions are regularly obtained and analyzed. The following parameters accommodated in the feedback are student's progress, communication skills, Cocurricular and Extra curricular activities and transport facilities. STUDENTS • Students' feedback on staff received through Class Committee Meeting. It is conducted before the commencement of Internal Exams. It is intimated in the classroom and six students from each class are invited to attend meeting. At

the end of the semester, the meeting is conducted for all the students. • At the end of the semester, feedback is collected through online for all the subjects. • The following parameters are considered to obtain feedback from Class Committee Meeting. They are • Academic Content • Use of teaching materials • Timelines of practical work • Fairness of evaluations • Interaction with faculties • Computer Facilities • Library Facilities • ExtraCurricular Activities • Sports Facilities • Hostel ALUMNI The college conducts annual Alumni Meet on January 26th every year, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, R D establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation. Whenever any alumni visit the college, feedback is taken. As the alumni is found to be the brand ambassador(s) of our institute, the feedback, of the alumni is given, due considerations. • The alumnus has active representation. • The recommendations made by the alumni are subsequently discussed and approved..

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science and Engineering	180	170	163
BE	Electronics and Communication Engineering	180	130	100
BE	Electrical and Electronics Engineering	120	40	35
BE	Civil Engineering	120	40	19
BE	Mechanical Engineering	180	120	102
BTech	Information Technology	60	60	49
ME	Computer Science Engineering	18	36	4
ME	Communication Systems	18	40	8
ME	CAD/CAM	18	35	3
ME	Embedded System Technologies	18	36	3
MBA	Business Administration	120	160	113
MCA	Computer Applications	72	90	35

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2719	365	173	33	206

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
206	201	4	49	49	3

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes , Our institution has Students Mentoring system (presently Mentor Mentee) The college has since last several years practiced a system of mentoring called the Mentor Mentee system, whereby a Mentor was provided to every ward to look after his/her academic and psychological wellbeing and also monitor class attendance and performance.. Under the Mentor system, the fulltime teachers of the college have been engaged as mentors of each class. Students of each class in the college are having a fulltime teacher as their mentor. The classes, where there are huge numbers of students, have been assigned more than one mentor. The mentors are responsible for academic progress and psychological wellbeing of their mentees. They are also entrusted with the task of monitoring the attendance and academic progress of the students. They also provide primary psychological counselling to those who need them and refer them for more professional counselling, if required. The mentors maintain the biographic details of each individual mentee including educational background and socioeconomic status. They also maintain record of their class attendance, classperformance and academic progress. The mentors use both formal and informal means of mentoring. The mentor system, apart from its formal part, also exists as a robust informal mechanism to boost inclusiveness, gender sensitivity and social responsibility of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3084	201	1:20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
206	179	27	27	28

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. G. Kavya	Professor	Appreciation Award

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As per the guidelines of Anna University the institution appointed college Exam Cell Coordinator for smooth conduction of the Examinations and making policy decisions in regard to organizing examinations, improving the systems of examinations. Institute Adopted Centralized Continuous Internal Evaluation (CIE) System to assess student's development in both the semester. The institute have faculty wise internal exam committees who made aware of the CIE and evaluation process. The orientation programmes are conducted at the beginning of the semester as per guidelines and also conducts induction Programme. Exam Cell inform to students about examination pattern, schedule and regulations as per the Academic Calendar with CIA Exam dates. Schedule getsDisplayed in the College and Department Notice Board. Result Analysis is done by the Exam Cell Member of the Department after CIA Test. The Principal conducts Review Meetings department wise to give necessary feedback for the improvement of students' performance. Whenever necessary, the Mentor of the students shall recommend the visit of the parent to the college for a discussion about the Student. Remedial Classes are conducted for the slow learners, absentees and also RE Examinations are conducted for the absent students.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The college Academic Excellence Committee Coordinator prepares academic calendar at the beginning of the year . The academic calendar is also distributed among all teaching nonteaching staff of the college. The academic calendar contains the yearly schedule of the college ranging from the list of holidays (national level holidays, state level holidays, local holidays and the institutional holidays), date schedule of the Continuous Internal Assessment examinations also mentioned in the Academic calendar. Mapping the distribution of responsibilities in teaching and learning to effect significant Strategic change and enforce institutionwide policies. Capability of the concerned faculty is identified for successful implementation of reforms within and across departments to strengthen their commitment to improving quality teaching. Heads of departments is given explicit responsibilities for fostering quality teaching and learning and to ensure that the leadership responsibilities are matched with the resources and the tools needed to deliver results.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://saec.ac.in/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

104	BE	CSE	162	151	93.21
106	BE	ECE	159	150	94.34
105	BE	EEE	113	94	83.19
205	BTech	IT	52	52	100
103	BE	CIVIL	110	91	82.73
114	BE	MECHANICAL	200	186	93
631	MBA	MBA	112	112	100
621	MCA	MCA	71	71	100
405	ME	CSE	5	5	100
403	ME	COMMUNICATION SYSTEMS	7	7	100
402	ME	CAD/CAM	2	2	100
431	ME	EMBDDED SYSTEMS TECHNOLOGIES	2	2	100

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://drive.google.com/file/d/1B00TGlGIHChwEZAPWtVAYj7_g7jemTUm/view?usp=sharing

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Integration Of Renewable Resources – New CEA Guidelines for solar and wind farms	Electrical and Electronics Department	24/08/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Fostering an ecosystem bridging government industry academia	Dr.G.Kavya	DST Texas Instruments	24/08/2018	India Innovation Challenge Design Contest
Bionic Arm	Jagan P,	ACCS	09/03/2019	Students (EEE)

	Hariharan V C, Raghu U, Mohamed AsrafThaga			
MOTIVATOR AWARD	Dr.L.VIJAY	3RD IDEA CONTEST	15/10/2018	MOTIVATOR AWARD BY GOVERNOR
Future Award 2019	ISIE , India	ISIE INDIA	31/03/2019	Students / Green vehicle concepts

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Business Incubation	Centre for Unique Product development and business incubation	MSME	Latent Innovative Technology	Innovation	20/06/2018

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	2	2

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
EEE	3
CSE	1
Mechanical	2

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MBA	1	4.2
International	MBA	16	4.2
International	EEE	6	1
International	IT	2	0.1
International	Civil	1	0.3

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	25
EEE	16
CSE	1
IT	2
MBA	3

Chemistry	1
Mechanical	32

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

[View File](#)

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	103	125	135
Presented papers	102	22	0	0
Resource persons	1	5	5	13

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
1.World Food day 2. Patriotism Nation Building National level Declamation contest.	**1.Food BankChennai 2. Govt Of India**	3	45
Helmet Awareness Program	**SAEC RTO**	2	7
Blood Donation Camp	**SAEC LIONS CLUB**	2	42
Health Check up, Eye Screening Dental Check up	**SAEC LIONS CLUB SAEC, LIONS CLUB APOLLO HOSPITAL**	18	0
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Food Day	SAEC	World Food Day	4	6
Cultrual	SAEC	Mirchi Kalloori Stars Season 9	4	3
Youth Scheme	GOVT OF INDIA, NEHRU YUVA KENDRA SANGATHAN	PATRIOTISM NATION BUILDING	1	1
NSS	SAEC NSS	Cleanliness Day	1	10
NSS	SAEC NSS	Non Usage Plastic	1	10

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
35005000	33973129.65

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AUTOLIB SOFTWARE	Fully	6.2 (Web Based)	2006

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Prabhu S	Cryptography and Network Security	Youtube	18/07/2018
Prabhu S	Cyber Security	Netacad	20/07/2018
M.Renukadevi	Python Programming	Youtube	27/07/2018
M.P.Karthikeyan	Data Structures	Your tube	03/05/2019
Mr. Mohamed Syed Nasem	Fluid Mechanics	Fun2learn.org	18/06/2018
Mr.K.N.Ramu	Bearings	Fun2learn.org	18/06/2018

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others

Existing	1176	20	1000		1	1	8	100	
Added									
Total	1176	20	1000	0	1	1	8	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Cryptography and Network Security eLearning	https://www.youtube.com/channel/UCUJy5tySY7q5SjePjFt7e-q/videos
Cyber Security	www.netacad.com
Python	https://www.youtube.com/watch?v=5B78AQk9FIk&t=19s
Data Structures	https://www.youtube.com/watch?v=jr_-ZVLz0Uo
Fluid Mechanics	https://www.youtube.com/playlist?list=PLYs7NgZOldfDd3pP6w_30gqprqdw_J_Rd
Bearings	https://www.youtube.com/playlist?list=PLYs7NgZOldfBDyRSxsPhf9bziT5-E9oj5

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
73850150	**46540727**	**39885000**	**87605135.43**

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students. Laboratory Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: The calibration, repairing and maintenance of sophisticated lab equipments are done by the technicians of related owner enterprises. Centralized computer laboratory has been established and maintained in the college. Computer maintenance through well trained technical staff is done regularly and nonrepairable systems are disposed off. Library To promote a spirit of continuous learning among its students, we assures peaceful and enriching hours in the Central Library. Air conditioned central library that has a seating capacity of 300. In this fully automated library, students and staff members can search the books by author, title, Acc. No. Publisher or subject heading and their availability. Our Central Library is an institutional member of prestigious libraries such as the DELNET, AICTE – ELSEVIER, AICTE – IEEE Delhi. Sports: Regarding the maintenance of indoor games like Badminton,Table Tennis, Chess Carom, Gym Fitness Equipment and outdoor

games like Foot ball, Cricket, Volley ball , basket ball etc. college sports coaches consult the management staff and based on alloted fund the maintain the equipments. Classrooms At the departmental level, HoDs submit their requirements to the Principal regarding classroom furniture and other. The college development fund is utilized for maintenance of furniture and other electrical equipments. With the help of the full time sweepers cleanliness of class rooms is maintained. A complaint register is maintained in office in which students as well as faculty can register their problems which are resolved within a set time frame. Students are sensitized regarding cleanliness and motivated for energy conservation by careful use of electricity in classrooms. There are technicians, masons, plumbers, carpenters deputed by management who ensure the maintenance of classrooms and related infrastructure. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts Transport The College has a fleet of 30 buses to transport students and staff from various parts of the city and its neighborhood areas to the College and back home Transport facility will be arranged to every student. Every student is expected to avail the transport facility to enable him/her to be punctual to come to the College. Buses has been cleaned by the drivers and maintained by the transport Incharges.

https://saec.ac.in/resources

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
No Data Entered/Not Applicable !!!			
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance

			redressal
0	0	0	

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	GOLD MEDAL IN INTER ZONAL	National	1	0	1119161041 41	SUSMITHA SAGU
2018	INTER ZONAL	National	1	0	1814016	G.NANDITA
2018	VIT INTER COLLEGE SPORTS FEST	National	1	0	1119186311 05 1119186 31110 1119 15103019	R.VIGNESH P.VISHAAL S.BHARATH
2018	Bronze medal Full contact event(Kick	National	1	0	1813016	Mohammed Arshad

| | Boxing senior Weight 75 kgs) | | | | | | | |

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Details of various Academic and Administrative bodies which have student representatives on them. Quality Improvement Cell: Students supporting in quality of processes in learning methodologies Training and Placement Cell : The students are acting as volunteers to assist successful training and placement activities AntiRagging Committee : Students representatives were formed to look into ragging problems and confidential reporting Class Committee: The students are representing the academic and administrative issues, suggestions. Women Empowerment Cell : Girl students participate in the program for empowering society activities A committee constituted by HOI is looking after Alumni activity such as maintaining database for Alumni, Students interaction Program, Arranging Alumni Lectures etc., ??College has nominated Alumni working in the college as Secretary for Alumni Association for effecting the Alumni network ??Institution promotes the collaboration with Alumni for effective development of IT, Placement and Training areas ??It also promotes for career counseling , students interaction and monetary supporting to economically weaker students ??Alumni were invited for Lecture in the campus to promote organizational responsibilities

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

S.A Alumni Association was formally inaugurated in the year of 2005 which had its first batch with an intention to bridge the gap between Alumni and the institution for the mutual benefit. Alumni Association is administered by an Alumni Committee. The alumni association is very active in promoting interactions and camaraderie among the alumni, staff and the management. Besides helping the alumni in all possible ways, it also lends its support to the college to achieve its cherished goals, its vision and mission. Alumni association of the Department has been playing a vital role in developing the student's knowledge. An interaction program between the alumni and the current year students is being conducted every year on January 26. During this program career guidance towards the employability of students are discussed. Apart from Various technical skills desired by the employer at different domains, are also discussed for the benefit of the students. The profile of the company in which the alumni's working is also well discussed for helping the students.

5.4.2 – No. of enrolled Alumni:

867

5.4.3 – Alumni contribution during the year (in Rupees) :

650250

5.4.4 – Meetings/activities organized by Alumni Association :

1. GUEST LECTURE ON MC5404 – Web Application Development MR.E. KARTHIK (AlumniBatch:20122014) Senior Software Engineer Tern Engineering Construction Services Pvt Ltd, Chennai on 25.2.2019 2. WORKSHOP ON Mobile Application Development Mr. R. Arun , Senior Android Developer, Openwave Computing Services Pvt Ltd. arrrurnr@gmail.com, PH: 9952689594 on 22.9.2018 3.Alumni Interaction Programme : Mr.D.Ganesh Kumar (Robert Bosch), S.Akash (QSpider) , V.Charandeep

(VDART) 4. Alumni Interaction Programme : Ms.Yamini Raveendran on 14.9.2018
5.Career guidance on Professional ethics in Engineering by the Alumni
Mr.K.V.Praveen kumar,Inventory manager,Engine Factory,Avadi on 21.8.2018

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The various committees are formed to frame the guidelines, to take part in monitoring and controlling the entire processes of Academic, Finance, Research and Students welfare and Academic Evaluation which is a evidence of decentralization The following committees are formed: 1. Internal Quality Assurance Cell 2. Planning Monitoring Committee 3. Academic Excellence committee 4. Research and Development Committee 5. Discipline committee 6. Alumni Committee 7. Professional Societies and Women Empowerment 8. Placement and Training Committee 9. Resource Management and Budget committee 10. AntiRagging and Social Service Committee 11. Grievance Redressal Committee 12. Internal Compliance Committee All the above committees are supervised by a coordinator with a committee member from each department which enables smooth functioning of the committee without any flaws. In addition to the above, various Standalone committees are also formed to administer the following: Library, Sports, Transport, Hostels, Office Administration and Health Care centre. Students also actively participate in NSS activities under the guidance of the Faculty which shows participative management in all aspects. Head of the Departments monitor the execution of academic, research, student activities, placement, and discipline in their respective departments. Assistant Head of the Department, Section Coordinators, Class advisors and Faculty advisors work as a team for the smooth functioning of the departments.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	? Curriculum Development S.A.Engineering College is affiliated to Anna University henceforth the syllabus framed by Anna University is followed. Changes in the syllabus are incorporated in different regulations of the syllabus framed. Course Coordinators after discussing with the subject incharges decide any specific topics can be taught for better and easy understanding of the subjects. These topics are approved in DAC and framed as Content beyond Syllabus . CBS is for both practical and theory subjects.
Teaching and Learning	Academic Excellence Committee monitors the effectiveness of teaching and learning methods followed in the college. Academic schedule is framed by the committee and it is approved by the

	Principal. All academics follow up the academic schedule. Teaching pedagogy methods that is to be followed by each course is decided by the course coordinators and the same is incorporated. Pedagogy methods include PowerPoint presentaitons, 3D presentation, Nptel videos, Lab based teaching, Google classroom,Usage of ICT tools, Miniprojects etc,. In addition to the above Guest Lectures, Industrial visits are arranged to impart the industry standards to students. Class committee meetings are conducted thrice in a semester before the Internal assessments.Any grievances and difficulties reported are sorted out immediately so as to ensure the correctiveness of teaching learning methodologies. NSLB students are monitored affectively by conducting special classes.
Examination and Evaluation	Exam cell wing headed by the Exam cell coordinator ensures the conduction of tests as scheduled in the academic calendar without any flaws. Checking the quality of question papers and answer book evaluation by subject experts in all departments Allocation of invigilation duties in a centralized manner Answer book evaluation is done by the concerned in charge, followed by answer book evaluation by subject experts. Mark entry in Palpap software without any deviations. Results are analyzed for all the Internal and University exams. Follow up actions for subjects with low pass percentage and the reason for the low results are recorded in MMFO5j Based on this internal marks are calculated band entered in the Anna University web portal. University results are analysed after the publication of University results
Research and Development	Faculty with PG degree are encouraged to register and pursue their doctorates. The cell motivates all faculty members of SAEC to submit proposals to various funding agencies to carry out research projects and to organize sponsored events like seminar, Workshops , Conferences etc. ? Initiation taken to promote interdisciplinary projects . ? Support towards collaborative research ? Promotes research by motivating the

	ideas/innovation of faculty and students through filing of patent and subsequent publication of the same. ? The centre not only focuses on research in core department but also on Science and Humanities. In continuation with this, Anna university research centre for the department of Mathematics was filed. ? Quality publications is another way of evaluating the research atmosphere in an institution. Hence, the cell appreciates and insist the student and faculty for publication of their research findings in reputed conferences and journals
Library, ICT and Physical Infrastructure / Instrumentation	he academic buildings feature classrooms that will allow professors and students to use the latest instructional technologies as part of the learning process. The design is flexible enough so that new technologies can be incorporated as they develop.The teaching learning process is facilitated in 72 class rooms covering 69768 Sq.ft of built up area, which are spacious, well ventilated with benches which are comfortable for the students. Class rooms facilitate a blend of traditional and modern modes of teaching with technological aids such as ceilingmounted LCD projectors, rolldown screens, green boards and podium for faculty. All the departments have well equipped laboratories with latest instruments to perform various lab oriented practicals. The students are provided with expert skills in various discipline so that they can compete with others, keeping in mind the changing demands in the industries. All the computer labs are provided with the latest updated software and hardware. Internet, printing and scanning facilities are also available through network. Each lab is equipped with uninterrupted power backup. There are 62 laboratory rooms covering 67053.58 Sq.ft of built up area. All the laboratories are equipped with proper safety measures. ? Central Library total area: 880 Sq.mt. (9472.24 Sq.ft.) ? There are 55982 books and 41607 ebooks, 78 National Journals ,44 International journals,1230 ejournals .In addition to the above there are 4883 Project Reports / Thesis are available in the Library. ? The Digital

	Library (OPAC) is available for browsing Ejournals and for Downloading of journal papers. ? In addition, DELNET, IEEE, SCOPUS, NPTELSPOC Member, NDL facilities are available in the Library. ? There are 23 Systems/PCs are available in the Library. ICT tool usage such as power points, NPtel videos, 3D videos for better understanding of students. Most of the faculty have registered for Nptel courses in 201819. Faculty have successfully obtained certificates on the completion of the course
Human Resource Management	Human Resources aims at quality improvement of the faculty. Training On duty of 7 days is availed by faculty to attend FDPs, Conferences, Seminars, Workshops etc Faculty are encouraged to take up Nptel courses, Nptel Registration fee is reimbursed by the management on successful completion of the course. In addition to this faculty are also motivated by providing a bountiful days in Vacation on successful completion of the course in the academic year 201819 The norms which were implemented previously such as Provident Funds, Insurance, Casual leave, Vacation(Summer Winter), Maternity leave with pay for 3 months is also in effect
Industry Interaction / Collaboration	Industry interaction is considerably improved in the academic year 201819 Testing and Verification has signed MOU with our college, 79 students of ECE were given training and 4 students got placed in this company Silicon Software Services has conducted Java training for 36 students from various departments in the even semester of 201819 and 14 students were placed in diifferent companies such as Maan Sarovar Tech solutions, EMB systems, 10 decoders, Sys Arc Technologies etc. 1 patents was awarded in this academic year
Admission of Students	As per the norms and guidelines in AICTE.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Institution has an MIS software called Insproplus which helps the institution to plan the Academic schedule for the semester. Accordingly staff to prepare

	their Lesson Plan and course delivery to be updated to keep track of syllabus coverage. As well it helps to prepare time table.
Administration	The MIS software helps the institution in maintaining student details like their personal, academic, extra curricular ,cocurricular activities, staff details like their attendance, their results etc. Each and every student and staff had been given a login to keep update their details and even to intimate the performance of the students to their parents.
Student Admission and Support	The MIS software helps the institution in maintaining student details like their personal, academic, extra curricular ,cocurricular activities, staff details like their attendance, their results etc. Each and every student and staff had been given a login to keep update their details and even to intimate the performance of the students to their parents.
Examination	The MIS software helps the staff to enter the assessment marks details of the student to keep track of them for their better performance. Marks are also being sent to their parents through SMS

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Workshop on "Internet of Things" (Intel Arc	Emerging Trends in Civil Engineering	26/03/2019	26/03/2019	18	0

	2018	National conference on Sustainable Development	Sustainable Development	26/09/2018	26/09/2018	20	0
	2018	Workshop on "Internet of Things" (Intel Architecture) IOT	IOT	13/05/2019	17/05/2019	10	0
	2018	Workshop	Block Chain andCyber Security" in association with CSI and ACM student chapter	15/02/2019	15/02/2019	10	0
	2018	TNSCST Sponsored Seminar on "Role of Big Data in Cyber Security	TNSCST Sponsored Seminar on "Role of Big Data in Cyber Security	30/01/2019	30/01/2019	10	0
	2018	FDP	Wireless Sensor Networks and The Internet Of Things- A Research Perspective	10/12/2018	12/12/2018	70	0
	2018	Two days Mini Colloquium	Two days Mini Colloquium	05/07/2018	06/07/2018	30	10
	2018	Workshop	recent advancements in artificial intelligence and machine learning techniques	14/11/2018	15/11/2018	30	10
	2018	Workshop	Workshop on Cadence	12/12/2018	15/12/2018	30	0
	2018	Hands on	Hands on	26/07/2018	27/07/2018	30	0

		training on High frequency and EM simulation using Ansoft HFSS	training on High frequency and EM simulation using Ansoft HFSS				
2018	Development and Deployment of IoT applications"	Development and Deployment of IoT applications	24/04/2019	24/04/2019	0	8
2018	ISO ReCertification 9001:2015 Awareness program	ISO ReCertification 9001:2015 Awareness program	08/06/2018	15/06/2018	50	0
2018	Integration Of Renewable Resources – New CEA Guidelines for solar and wind farms	Integration Of Renewable Resources – New CEA Guidelines for solar and wind farms	24/08/2018	25/08/2018	43	0
2018	Workshop	Recent trends in fabrication, characterization testing of Nano Composites related to combat vehicle components	05/07/2018	06/07/2018	60	0
2018	Workshop	Electrochemical corrosion and its impacts on industries in tamilnadu	08/03/2019	09/03/2019	80	0
2018	FDP	Enhancing LSRW Skills in ESL Classroom	19/07/2018	20/07/2018	76	0
2018	Workshop	Recent Advances in	28/01/2019	28/01/2019	41	0

Material Science				

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

View File

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
206	206	218	218

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF , INSURANCE	PF, INSURANCE,ESI	SCHOLARSHIP, INSURANCE

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes Internal and External financial audits are conducted. Audit statements are updated in the college website duly signed by Chairman and Auditor

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
MANAGEMENT	1435717	STAFF WELFARE, PRIZE AWARDS, FACULTY DEVELOPMENT
No file uploaded.		

6.4.3 – Total corpus fund generated

224200005

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	TUV NORD, NBA AICTE	Yes	Coordinators
Administrative	Yes	TUV NORD		Coorinators

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parents _Teacher association works in an effective way. Each Faculty advisor is allotted with 20 students and a regular communication occurs when their ward is absent for the college. The reason of their ward's absence is to be informed by the parent to the faculty advisor. In addition to the above Parents are called

for a meeting after the publication of University results in a semester PTA Meeting 1 – Publication of University results in odd semester PTA Meeting 2 Publication of University results in Even semester PTA Meeting 3 Annual day meeting ,parents are invited for the same PTA Meeting 4 Induction day programme for I years PTA Meeting 5 – For Alumni parents during convocation day In addition to the above Parents are free to step in and visit the department Heads to know about their wards progres

6.5.3 – Development programmes for support staff (at least three)

The following programmes were done for the support staff 1. Swach Bharat – For support staff to maintain a healthy, safe ,clean environment 2. Usage of Fire extinguishers 3. Safety rules and inculcating ethical values to drivers

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Steps to secure autonomous status for the college and visit by the affiliating Anna University in March 2018 , and followed by NBA audit during February 2019 2. ECE,CSE IT departments have been accredited from 201920 to 202122 with a Validity till 30.6.2022 Based on the compliance report submitted to NBA team visited on 20.2.2019 to check the compliance status 3. Mechanical and EEE departments have been accredited from 201718 to 201920 Upto 30062020

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Career based SWOT analysis	10/11/2018	10/11/2018	10/11/2018	56

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the College met by the renewable energy sources Power Demand – 375 KVA (Per month), Percentage of Power requirement of the College met by the Solar energy sources 20(Per month)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	No	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	4	21/06/2018	1	International Yoga day	Meditation	113

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook for Code of ConductStudents	06/06/2018	Institute exercise jurisdiction over conduct which occurs offcampus violating the ideal student conduct and discipline as laid down in this Policy and other regulations, as if the conduct has occurred on campus which shall include a) Any violations of the Sexual Harassment Policy of the Institute against other students of the Institute. b) Physical assault, threats of violence, or conduct that threatens the health or safety of any person including other students of the Institute c) Possession or use of weapons, explosives, or destructive devices offcampus d)Manufacture, sale, or distribution of

			prohibited drugs, alcohol etc. e) Conduct which has a negative impact or constitutes a nuisance to members of the surrounding offcampus community. The Institute, while determining whether or not to exercise such offcampus jurisdiction in situations enumerated hereinabove, the Institute shall consider the seriousness of the alleged offense, the risk of harm involved, whether the victim(s) are members of the campus community and/or whether the off campus conduct is part of a series of actions, which occurred both on, and offcampus.
Service RuleEmployee	06/06/2018		A teacher has to lead by example and his / her conduct in a college environment has great impact on students. As responsible, educated adults, teachers need to shoulder certain norms. 1. Knowingly or willfully neglect his/her duties. 2. Discriminate against any student on the ground of caste, creed, language, and place of origin, social and cultural background. 3. Indulge in, or encourage, any form of malpractice connected with examination or any other school activity. 4. During the period of your service, you cannot join any college or pursue any course of studies without the prior approval of the Head of Institution.
Handbook for Parents	06/06/2018		We expect parents, carers and visitors to: • Respect and model the caring ethos of our institution whenever on college premises or when communicating directly

			with the college. • Understand that college staff and parents need to work together for the benefit of all • Demonstrate that all members of the college community should be treated with tolerance and respect and therefore set a good example in their own speech, conduct and behavior. • Correct own child's behavior especially in public where it could otherwise lead to conflict, aggressive behavior or unsafe behavior. • Approach the right member of college staff to help resolve any issues or concern
Handbook for Alumni	06/06/2018		• Display respect and courtesy for employees, other volunteers, other alumni and friends of the college, event participants, opposing institution alumni and friends and property • Keep staff informed of progress, concerns and problems within the program(s) in which I participate. • Make every effort for all actions of self and fellow network leaders to be within the guidelines and policies. Apart from above code of Conduct, Alumni has also following responsibilities, ? Nurture loyalty, pride and tradition ? Communicate openly ? Promote collaboration ? Be passionate ? Be relevant

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Drug Abuse day	26/06/2018	26/06/2018	80
Plastic Awareness Programme	25/09/2018	25/09/2018	55

World Food day Programme	16/10/2018	16/10/2018	95
Road Safety	05/02/2019	05/02/2019	46
New Voters ID programme	18/02/2019	18/02/2019	64

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Avoid usage of plastics inside the campus by reducing the disposals. 2.E files to be maintained to save the paper. 3.Plantation of trees is encouraged to maintain the campus pollution free. 4.Organic farming is initiated by avoiding pesticides. 5.Usage of renewable sources (solar) is encouraged. 6.Energy conservation by preventing carbon emission. DESCRIPTION: Energy conservation In our college, classrooms have number of large windows, so natural light are sufficient instead of using the electric lights. Solar heaters are installed in our hostel to conserve energy. The college has 80 Solar Panels to preserve energy. In our campus, two Power factor controllers available to conserve energy.(1000 KVAR and 400 Amps for each). Installed during HT (High Tension) line commission on 28/06/2010.RO technology is used to purify drinking water. Use of renewable energy Solar power is utilized for 21 Streets lights. (Per day Average of 76 KWHR Power saved) The college is using solar powered heaters which have been installed in the boy?s hostel from 2007. Water harvesting Buildings have rain water harvesting structure and the rain water is allowed to go underground through the structures. Efforts for Carbon neutrality The college has made arrangements for the parking at the entrance itself. This helps inkeeping the campus as much as possible clean.The college has taken up preventive measures to check the emission of carbondioxide. Only emission tested vehicles areallowed inside the campus. The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself. Waste materials are packed and disposed to the ITC vendor. Plantation: Tree plantations are organized regularly to create clean and green campus.NSSYRCcoordinator organizes tree plantation internally and externally for every semester. Hazardous waste management Hazardous chemicals are kept separately in the store room away from the reach of students. Lab Incharge takes care of the chemicals and safeties norms in the laboratory are strictly followed.Students are made aware of the hazardous chemicals and safetyaspects when they 200 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. E –Waste management: The ewaste generated is given to the authorized dealers who purchase the scrap and reuse the useful components. The ewaste materials are collected and kept in one place and then sold to the concerned recycling agents (Axis Power network).

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link Best Practices I 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 increase in Students Performance and Placement, motivation for higher studies to improve global economy and faculty productivity. 3.The Context: Analysis of the semester result is done by Academic Council to evaluate the performance of the students in every semester and corrective actions are taken to improve the results if required. The placement records of every year are regularly analyzed and industry feedbacks are taken for their

employees from this Institute. More industry oriented training is imparted to students for enhancing their skill. Innovative project works are given to students to enhance their ability to take up higher education and research in the recent technological fields. Student's feedback is taken for each respective faculty in every semester and the same is analyzed by the Academic Committee to fill up any gap area associated with their performance. 360 Degree evaluation (Students feedback, Head of the Department's report, Principal's report, and Administrative feedback) for faculty is done. Weaknesses of the faculty members are found and accordingly, training and orientation programme are arranged for them as corrective action. All faculty members are encouraged to take up research work and to obtain higher degree and research project funds from outside agencies to establish world class research laboratories and increase the status of the Institute. 4.The Practice Mapping the distribution of responsibilities in teaching and learning to effect significant Strategic change and enforce institutionwide policies. Capability of the concernedfaculty is identified for successful implementation of reforms within and acrossdepartments to strengthen their commitment to improving quality teaching.Heads of departments is given explicitresponsibilities for fostering quality teaching and learning and to ensure that the leadership responsibilities arematched with the resources and the tools needed to deliver results. An environment is created where everyone (teacher, student, support staff, etc.) operates within a clearly identifiable leadership structure. It is ensured that the teaching and learning framework can be easily adapted by each faculty member to reflect their values, ethos and modus operandand then applied in their own teaching practice. Progress in implementing the teaching and learning framework across each levelof the institute is monitored and reports are analyzed by the heads of departments and Principal. Appropriate platforms exist for sharing experience andinitiatives across the institute. 5. Evidence of Success

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://saec.ac.in

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1.Title of the Institutional Distinctiveness: Research and Development 2.Objectives of the Practice to reach its vision ??The Research Development is to facilitate academic research for the development of the academicians and the institution. ??It aims to bring about a dynamic equilibrium with its social and economic environment for excellence in education, research and service to the nation. ??To explore unreached areas by bringing openness in multidisciplinary research. ??To provide a supportive research environment in which scholars, at every stage of their career, can flourish and develop. 3.The Context of priority Research at SAEC is nurtured through various academic programs run by the different departments. The sponsored research has contributed in terms of development and technology. SAEC is committed to knowledge transfer and engage in technology transfer and economic development activities that benefit the society. As a part of the career development, faculty members have opportunities to register for Ph.Ddegrees. A large number of faculty members in various departments are pursuing Ph.D. programmes as part of career advancement. Number of publications in reputed journals, which is a good indicator of research output, has been quite satisfying during the last three years. Interdisciplinary approach is being used to address common issues in society. 4.The Practice of Thrust over the achievement o Devise strategies to assist the research scholars in meeting their research objectives o Periodical

review of research strategies and plans of individual department through road map o Analyzing the road map areas for initializing inter disciplinary research o Identification of new initiatives and opportunities in the innovation area oEffective publication of the research works in reputed journals and conferences. o Identification of social issues and bringing about a solution to the issues 5.Evidence of Success S.A.Engineering College has beenrecognized as a Research Center Approved by Anna University, Chennai for the following Departments. 1. Department Of Mechanical Engineering 2. Department of Electronics and Communication Engineering 3. Department of Electrical and Electronics Engineering 4. Department of Computer Science and Engineering The research activities are funded from organizations such as AICTE, MRNE, SERB, CSIR, DRDO etc., More Grants are received for various projects. More number of staff is doing their PhDs. Staff has published papers in various Journals and in International Conferences. 6.Problems Encountered and Resources Required The reception of funds for the implementation part of the project. Sometimes high cost is involved in executing research activities specificallyconcerning capital equipment. The management partially provides optimumfunds to implement the research practice to the possible extend. The institutealso receives funds from outside agencies, which greatly helps in upgradingresearch laboratories and promoting this practice

Provide the weblink of the institution
https://saec.ac.in

8.Future Plans of Actions for Next Academic Year

To get the autonomy status Introduction of institution Innovation Council MoUs with Industries and Foreign Universities Strong Industry Colloboration Enhanced Virtual Labs Hands on training on latest tools and technologies Enhanced Entrepreneurship Cell