



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

SENGUNTHAR ENGINEERING COLLEGE

• Name of the Head of the institution **Dr .R. SATISHKUMAR**

• Designation **PRINCIPAL**

• Does the institution function from its own campus? **Yes**

• Phone No. of the Principal **04288255715**

• Alternate phone No. **9842755552**

• Mobile No. (Principal) **9366653347**

• Registered e-mail ID (Principal) **info@scteng.co.in**

• Address **KOSAVAMPALAYAM, KUMARAMANGALAM POST,**

• City/Town **TIRUCHENGODE**

• State/UT **Tamil Nadu**

• Pin Code **637205**

2.Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy) **24/06/2019**

• Type of Institution **Co-education**

• Location **Rural**

- Financial Status **Self-financing**

- Name of the IQAC Co-ordinator/Director **Er.A.B.MADHAN**
- Phone No. **04288255716**
- Mobile No: **9962574849**
- IQAC e-mail ID **iqac@scteng.co.in**

3.Website address (Web link of the AQAR (Previous Academic Year)) <http://scteng.co.in/documents/IQAC/NAAC/AQAR/aqar2020-2021.pdf>

4.Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <http://scteng.co.in/Academics/AcademicSchedule>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.06	2015	15/11/2015	14/11/2020
Cycle 1	A	3.06	2020	15/11/2020	31/12/2024

6.Date of Establishment of IQAC **31/12/2014**

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
INSTITUTION	MSME HI BI	MSME	21/01/2020	0
INSTITUTION	AUTONOMOUS STATUS	UGC	24/06/2019	0
INSTITUTION	12 (B) STATUS	UGC	08/08/2016	0
INSTITUTION	2 (f) STATUS	UGC	15/05/2015	0
INSTITUTION	National Cyber Security	National Resource Centre for National Security Programme	12/02/2016	0
INSTITUTION	Remote Centre - IIT Bombay	IIT Bombay	08/05/2018	0

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 3

- 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)

NAAC Accreditation has been renewed up to 31.12.2024 with the same grade point 3.06 of 4 point scale.

i) Ranked as AAA in India's Best Engineering Colleges by Career 360° in the year 2022 ii) Received 4.0 Golden Star Certification from MHRD - IIC (Institution's Innovation Council) iii) Our College has been recognized, as band "PERFORMER", in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021 on 29.12.2021, by the Government of India & AICTE. iv) Our College obtained First Position out of 8 promising Engineering College in India by GHRDC - CSE Survey 2022 Faculty Achievement i) Dr.K.Umadevi, Professor cum Head/ EEE received Dr. A.P.J Abdul Kalam Award for Innovative research by the Society for Engineering Education Enrichment in the year 2021. ii) Dr.C.Aarthi, HoD/ECE received Best Article Award (Tamil) by Anna University (2021-2022), Valikatti Viruthu by (2021-2022) Eelutuka iyakam, NPTEL Discipline Star Award by NPTEL and Thiranantral Award by Yavrum Kelir 2021-2022 iii) Dr.P.Ponmurugan, AsP/EEE received Young Engineer Award by IE(I) at New Delhi.

i) AICTE Sanctioned Rs 12,03,333 to the principal Investigator Dr. M.Sakthivel and Co Principal Investigator Dr B.Sujatha Under Research Promotion Scheme to conduct research on 10.2.2022 . ii) TNSCST approved Rs 7500 each to the following faculty member's team 1.Mrs.B.Buvaneswari, AP/ECE 2.Mr.M.Ashok kumar, AP/ECE 3. Mr.N.Saravanan, AP/Mechanical Under State project scheme on 11.03.2022. iii) Our Students Team presented their projects and Won Rs.25,000 cash awards and medals in the Annual Project contest conducted on 9th & 10th April 2022 by R.D Educational Institutions.

To meet the challenges of the societal demands and improvise the syllabus and curriculum towards 100 % employment / entrepreneurship assuring degree programmes, the College started a new degree programme in B.E. Computer Science and Engineering (Cyber Security) with effect from 2022-2023 with an intake of 60. To increase the intake in the present courses that were in demand, we have framed new Curriculum and Syllabi for Minor Degree / Honours to be offered in UG programmes under the Regulations 2019, following the guidelines of AICTE, with effect from the academic year 2022-2023

More than 40 papers have been published and presented in National/International Conferences by our entire faculty crew. There are 280 Faculty Members have Participated in Seminar/ Workshop/ FDP . 34 Number of Online Courses Registered/ Completed by the Faculty Members. 6 No. of Faculty Members Published Patents are evident for their excellence in their domain.

15 innovative project ideas were submitted by our students in Smart India Hackathon 2022 and 14 innovative project ideas MSME Idea Hackathon 2022.

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
College Admission, Placement, Result, Cocurricular Activities, MSME, Research Promotion, IIC, Funding Proposals activity, NIRF Ranking	<p>Achievements</p> <ul style="list-style-type: none"> • Ranked as AAA in India's Best Engineering Colleges by Career 360° in the year 2022 • Received 4.0 Golden Star Certification from MHRD - IIC (Institution's Innovation Council) • Our College has been recognized, as band "PERFORMER", in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021 on 29.12.2021, by the Government of India & AICTE. • Our College obtained First Position out of 8 promising Engineering College in India by GHRDC - CSE Survey 2022 Faculty Achievement • Dr.K.Umadevi, Professor cum Head/ EEE received Dr. A.P.J Abdul Kalam Award for Innovative research by the Society for Engineering Education Enrichment in the year 2021. • Dr.C.Aarthi, HoD/ECE received Best Article Award (Tamil) by Anna University (2021-2022), Valikatti Viruthu by (2021-2022) Eelutuka iyakam, NPTEL Discipline Star Award by NPTEL and Thiranantral Award by Yavrum Kelir 2021-2022 • Dr.P.Ponmurugan , AsP/EEE received Young Engineer Award by IE(I) at New Delhi. <p>Outcomes</p> <ul style="list-style-type: none"> • AICTE Sanctioned Rs 12,03,333 to the principal Investigator Dr. M.Sakthivel and Co Principal Investigator Dr B.Sujatha Under

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1.Mrs.B.Buvaneswari, AP/ECE ;
2.Mr.M.Ashok kumar,AP/ECE; 3. Mr.N.Saravanan, AP/Mechanical

Under State project scheme on 11.03.2022. • Our Students Team presented their projects and Won Rs.25,000 cash awards and medals in the Annual Project contest conducted on 9th & 10th April 2022 by R.D Educational Institutions.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
IQAC Board Meeting	10/02/2022

14.Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

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IQAC Board Meeting	10/02/2022				
14.Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> • Year 					
<table border="1"> <tr> <td>Year</td><td>Date of Submission</td></tr> <tr> <td>2023</td><td>19/01/2023</td></tr> </table>	Year	Date of Submission	2023	19/01/2023	
Year	Date of Submission				
2023	19/01/2023				
15.Multidisciplinary / interdisciplinary					

The vision and mission of the institution focuses on offering a full range of programmes of global standard in the fields of Science, Engineering, Technology and Management studies to foster research, and to transform the students into globally competent personalities. The curriculum gives more focus on Humanities, Management courses, Basic Science, Professional core and electives, open elective courses, employability enhancement courses and mandatory courses. The Humanities and Basic Science courses contribute around 25% of the overall credits in curriculum along with mandatory courses in all B.E. / B.Tech. Programmes. And the curriculum is designed to provide flexibility to students in selecting the courses and credits based on their choice to equip themselves for their career growth. The curriculum offers credit based value added courses, life skills, Industry oriented courses, and Industry mentorship through industry projects for the students to enhance their technical skills. To support multidisciplinary education as per National Education Policy (NEP) 2020, students are encouraged to select open elective and core elective courses of their own choices.

16.Academic bank of credits (ABC):

Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey.

The "Academic Bank of Credits" (ABC) is functioning under Controller of Examinations through e-Nova Portal System. This system has credit recognition, credit accumulation and credit transfers in order to promote distributed and flexible teaching and learning. It provides students Login ID for checking results and for ensuring credit accumulation. As per our autonomous Regulations students are eligible to avail the credit facilities provided by the Academic Bank of Credit through SWAYAM, NPTEL, V-Lab and such other schemes offering their courses.

17.Skill development:

Educating and skilling the students of college to enable them to get employment is the prime motive of the institution. For which we include various courses and activities in the academic curriculum and also out of the curriculum for overall skill development.

We include Employability Enhancement Courses and Mandatory Courses like Life Skills for Engineers, Leadership Enhancement Program, Quantitative Aptitude, and English Communication lab,

Entrepreneurship Development Program, Indian Constitution and Technical Laboratories. These courses enact the students to learn and develop Communication Skills, Interview skills, Presentation skills, Problem Solving Techniques, Critical thinking, creativity, Moral Ethics, Professional and Human values, etc.,

We also made MOUs with EduSkill, Texas instruments, PMKVY and others for better prosperous career for our students.

These combined skill and capacity building activities with technical knowledge allows Sengunthar Engineering College students to be more well rounded, and make them job ready and give them a platform to launch their careers as entrepreneurs.

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

Students are motivated to do project works that are beneficial to societal welfare. In order to bring awareness on environmental issues and to impart Indian traditions among the youngsters, Environmental science and engineering (in 2nd semester) and constitution of india (in 6th semester) are included in curriculum under B.E/B. Tech Regulation 2019.

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

At SEC, the OBE system has been implemented since 2019. It has been fine-tuned and institutionalized through focused policy formation and training after granting autonomous exclusively for the holistic implementation and sustainment of OBE.

Various committees such as Alumni Association Cell (AAC), Internal Quality Assurance Cell (IQAC), Department Advisory Board (DAB) and Industry Institute Partnership Cell (IIPC), have been formed by drawing members from Industry, Alumni, Parents, Management, Faculty, Staff and Students. These committees guide and monitor the implementation of OBE in the college. It enhances the quality of Teaching and Learning.

Program Outcomes(PO)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering

problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-

long learning in the broadest context of technological change.

Program Specific Outcome (PSOs)

1. Ability to understand the fundamental concepts, analyze, design, develop, implement using mathematical foundations and domain knowledge for providing solutions to complex civil engineering problems by applying the new ideas and innovations.
2. Ability to work and communicate effectively in a team environment and foster the professional skills towards industrial and societal needs.
3. Ability to grasp the advancements in IT tools and creating a career path to become an entrepreneur, lifelong learner with moral values and ethics.

Our College follow the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. The Course Outcomes (COs) for each subject is available in our syllabus and defined by concerned faculty member in consultation with HoD and Academic Coordinator.

20.Distance education/online education:

The institute has a NPTEL Local chapter which supports online education, through which the students are directed to do MOOCs courses in NPTEL, SWAYAM platform with a timeline of 4, 8, or 12-weeks. Completion of one online course is considered as credit transfer with open elective courses. If the student completes more than one online course, the students can transfer the credit to more number of open electives with the approval. Completion of 2 weeks online course can replace 1 credit, 4 weeks online course can replace 2 credits and 8 weeks online course can replace 3 credits as per the regulation. Apart from this the students are also motivated to do several online courses through coursera.

Extended Profile

1.Programme

1.1

9

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **726**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **198**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **805**

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 **345**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **140**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 9

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 726

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 198

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 805

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

3.1 345

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	140
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	140
Number of sanctioned posts for the year:	
4.Institution	
4.1	221
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	53
Total number of Classrooms and Seminar halls	
4.3	804
Total number of computers on campus for academic purposes	
4.4	310.53546
Total expenditure, excluding salary, during the year (INR in Lakhs):	
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>The curriculum is designed by keeping in mind the developmental needs of the society with the guidelines proposed by the UGC, AICTE, Anna University and the TN State Council for Higher Education. The Departmental Committees which comprising team of senior faculty members and Head of the department identify and assess/evaluate in order to make the curricula of the programmes /courses relevant to such needs. This task is done by involving</p>	

the experts from academia and industry; taking into account the feedback obtained from various stakeholders namely students, alumni, employers and faculty members.

In the next stage, the Academic Council deliberates and ratifies the syllabi of various departments. Finally, the minutes of the Academic Council is presented before the Governing Body for approval. The academic autonomy of the Institution provides the opportunity to frequently revise the curriculum based on needs and suggestions from various stake holders.

The main objective of this initiative is to inculcate corporate social responsibilities to positively contribute to the sustainable growth and development of people and community and to meet the new and emerging challenges of the ever-changing society, economy, and policy.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1vKDsXmb2MWGSR80PwUQn-OpPYUZ_IbbL&name=Criterion%201.1.1

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

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

72

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

31

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

9

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

The institution integrates cross cutting issues relevant to

gender, environment and sustainability, human values and ethics by introducing specific courses in the curriculum and various activities such as Orientation Programmes for first year students, Women empowerment programmes through WDC, Carrier Counseling , NSS/YRC/NCC activities. These courses train students to apply analytical thinking in solving issues. Women Empowerment Cell addresses the grievances and concerns of the girl students.

Each UG degree programme has included with Environmental Science as a separate course. It enables a holistic understanding of the environment and develops favorable attitude and habits to protect and preserve nature.

Courses are offered on Professional Ethics and Values, Legal aspects of Business, Consumer behavior to develop professionally accepted standards of personal and business behavior, values and guiding principles. It also helps the students to understand the values and how to reflect them in their attitude and behavior and contribution to the society.

In addition to these courses, the institution has counseling cell and antiragging cell to deal with the issues relevant to gender, human values and ethics. With an emphasis on the need of counseling the young minds, counseling cell is constituted to address the student's behavioral and academic issues.

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

9

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**253**

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**284**

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	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1H_usMW5oblI9t4j17ZUuJPwQiZ1mEOJW&name=Criterion%201.4.1
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	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1K3ML0YKnysU_Xi4GelpzSjidhf-w2TX&name=Criterion%201.4.2
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

312

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)

312

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.

Our college adopts a process to identify slow and advanced learners among students. Advanced and slow learners are identified on as per their performance in CIA Examinations and ESE. In order to ensure academic growth of the institution the Tutor - Ward system implemented to review the academic progress and the tutors motivate their wards to improve their performance.

Identification of Slow and Advanced learners:

To identify advanced and slow learners, we conduct "Student Induction Programme" at the admission into the college for the First year students. As early as possible, we identify slow and advanced learners amongst the students through class-room discussion, question and answer method, by considering their subject knowledge and previous year's performance.

From second year onwards, we consider their performance in the performance in Continuous Internal Assessment Examinations and End Semester Examinations.

Special Measures for Slow Learners:

? Subject wise Remedial classes are conducted for slow learners and absentees to improve their academic performance.

? Performance Improvement Test conducted for slow learners.

? Provision of simple notes and materials.

Special Measures for Advanced Learners:

? Advanced learners are encouraged to register for advancement courses.

? Advanced learners are encouraged to enroll in various online courses.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=lybzbbyyZdU5M5dYDnpqHfVR6jwTdYYGA&name=Criterion%202.2.1

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2021	721	140

File Description	Documents
Upload any additional information	View File

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:

Experiential learning, participative learning and problem solving methodologies are well adopted by our college to ensure the holistic development of students.

Experiential Learning:

The institution imparts the following experiential learning practices to expand the creativity and intellectual levels of the students:

- o Mini project and Project works are carried out by the students to showcase their innovative skills.
- o Internship provided to the students to get Hands on Training with latest technologies.
- o Value Added Courses are given by the experts to develop their expertise in their domain.

Participative Learning:

This Participative Learning inculcates the students to become independent, improve leadership skills and augment the creativity.

o National Level Technical Symposiums are conducted through online mode.

o Students are encouraged to participate in National/ International conferences, Symposiums, Seminars and Workshops.

o In order to acquire participative learning, the students are given exposure for Presenting and publishing of papers in conferences and journals.

Problem-Solving Methodologies:

To acquire and develop problem-solving skills, each department organizes expert lectures on various topics, motivate students to join NPTEL courses, participate in various inter-college and intra-college technical activities and other competitions such as:

? Regular Assignments based on problems

? Case studies Discussion

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1ENTaRI27uVt8MuTtEfdzGluDJdGhZw76&name=Criterion%202.3.1

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

Our College encourages, intensive use of ICT enabled tools including online resources for effective teaching and learning process. Our faculty members are using ICT enabled tools to enhance the quality of teaching-learning such as: o General ICT tools are using by our faculty members such as Desktop and laptops, Projector, Digital cameras, Printer, Photocopier,

tablets, Pen Drive, Ipads, Scanners, Microphones, interactive white board, DVDs and CDs. oVirtual labs are used to conduct labs through simulation. o For the effectiveness of teaching-learning process classes are taken with PPT o Students' feedbacks are collected through Google forms. o To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jam board in Google meet, etc. o Class Committee meetings, Seminar, Workshop and Symposium are organized through online mode. o Students are counseled with the help of Google Meet applications. o Wide range of e-resources like DELNET, Digital library, e-journals, e-books, CD and DVD etc., o Smart board is used by the faculty members effectively. o Our Faculty members were trained for effective usage of ICT Tools. Training was given by Dr.M.Sakthivel, Associate Professor&Head, Department of Computer Science and Engineering on 21.12.2021 through online.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1Lru4Z0gb03_QLqKa_HexHXCHipDsTLE1&name=Criterion%202.3.2
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

40

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

1. Academic Calendar: The Dean (Academics) prepares the academic calendar every semester in advance. It consists of the list of working days, class committee meeting schedule, internal assessment test, model examination and Tentative End semester theory and practical examination dates, symposium, conferences,

HoDs Meeting, IQAC meeting, holidays, festivals etc. 2. Teaching Plan: Heads of the departments conduct meeting with their respective faculty members well in-advance of commencement of the semester course work, and allocate subjects. The subject in-charges concerned prepare Lecture plan for their respective subjects which are duly approved by the Head of the department. The number of hours in the teaching plan is framed depending on the credits of the course and made available to the students. This schedule is placed in the course file at the beginning of the semester. Effective implementation of the lesson and lecture schedules is monitored by the Head of the Department as well as academic auditors. Then the faculty members are asked to prepare unit notes and Lab manuals which are approved by Academic coordinator, HoD, Dean (Academics) and Principal. Due to pandemic situation, softcopies are posted in their respective Google Class room.

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

140

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	View File

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

16

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

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

70

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

90

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	View File

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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 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 implemented in the continuous internal assessments modes and components. Examination procedure has been completely automated using IT software.

Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system.

Examination Procedures and IT Integration:

- Adopting semester patterns of examination with continuous evaluation system for all the departments.
- Digital evaluation system has been successfully implemented for UG, PG examinations with the help of eNova Software.
- Inclusion of project, assignment, seminar presentation etc. as components of evaluation.

The positive impact of the examination management system in the College as Follows:

E-governance has been successfully implemented in the College during the Academic Year 2020-2021. Online entry of Students data, attendance and internal assessment marks help to reduce the errors and saves lot of time.

All the results of the examinations published through online.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=10uZY8VgYlzxXdmYjifclY8BTBmxJftIR6&name=Criterion%202.5.3

2.6 - Student Performance and Learning Outcomes

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

Program Specific Outcomes (PSOs) are framed by each department with the consultation with all the faculty members and stakeholders.

Our College follow the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. The Course Outcomes (COs) for each subject is available in university syllabus and defined by concerned faculty member in consultation with HoD and Academic Coordinator. The POs, PSOs and COs are stated and displayed on websites communicated to all the faculty members, students and stakeholders.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1U5HWF-veBxm3Gohzpcu7Oszh9-eB9or&name=Criterion%202.6.1

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

The curriculum of the program is designed with core and elective courses by considering Vision,

Mission, Program Educational Objectives, Program Outcomes, Program Specific Outcomes and requirement of stake holder.

Course Outcomes(CO) are statements that are framed in the view of what the students are expected to attain at the end of the course. Each course has 1-5 outcomes depending on its significance which are mapped to the Program Outcomes and Program Specific Outcomes.

Attainment of COs of the Course:

To attain the course outcome for the course, faculty members use direct assessment tools and indirect assessment tools as assessment methods.

The direct assessment method includes Continuous Internal Assessment Tests and Co-Curricular Components consists of assignments, Quiz and Presentation, etc. Indirect attainment can be determined from the course exit survey. The course exit survey permits receiving feedback from students on individual COs.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=181OX-SQfaYHOZXd59yPV7b7R7L62Cpjl&name=Criterion%202.6.2

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

183

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	View File
Paste link for the annual report	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1EBLtoSOIKXaT5aB7NEcxGNNZ2YA50-bf&name=Criterion%202.6.3

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

<http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1w7HwYW3aqFuCeMhXYrJLN9NH0sh-n59b&name=Criterion%202.7.1>

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

Vision:

The institution's envision is to become a leading centre for collaborative and innovative research.

Mission:

- Nurturing the research in inter disciplinary that enhances researchers to remote grands.
- Promote shared responsibility ,infrastructure and ethical conduct of research and compliance.
- Promote research community to create a culture of high achievement in IPR.

Aim and Objective of Sengunthar Engineering College Research& Development Centre

- Monitor activities of centre of excellence /Innovative Labs /Incubation centres

- Collaboration with foreign universities & Incentive for promote research
- Conducting research conclave
- To promote the Research and Development in our institution a well drafted policy is scripted and followed: It includes the promotion of research activity among the faculty members and involving the students to enhance the knowledge of recent developments and future hopes.
- To provide seed money for the faculty members with the approval of Governing body.

Research Promotion & Consultancy Policy

The institute provides necessary facilities and a promising environment to promote research, consultancy, innovation and intellectual capital; it gives reward to faculty members for the Research and Consultancy Project works carried out in the respective year.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=140L_iC75_q04G9qVOZP_L8uBDbK4IT5I&name=Criterion%203.1.1
Any additional information	View File

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

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

0.61

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

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

4

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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)

222.225

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	View File

3.2.2 - Number of teachers having research projects during the year

05

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=16DWAgOBTW8Dql4ObOwcQo15ifKM1aV4Z&name=Criterion%203.2.2
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

05

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

05

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1qcSMmAk0-7dslc3bm3IoU1EDuP9HG3fy&name=Criterion%203.2.4
Any additional information	View File

3.3 - Innovation Ecosystem

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

Sengunthar Engineering College has a well established and active Research and Development Cell, with members drawn from different Departments. The Cell encourages Students and Faculty Members to carry out innovative research aimed at Patent Registrations and arrange Lectures / Workshops on IPR. Our College has encouraged Student and Faculty Members to conduct department level programs to enhance research activities. The Research and Development Cell constituted Research Committee and Ethics Committee to enhance the research culture in the Institution

The Institution has well-equipped laboratories to cater to the needs of students and to nurture them towards Research and Developmental activities. The R & D Cell organizes periodical review meetings to ensure that faculty members submit research proposals to various government organizations for getting sponsored projects. The research committees under the R&D cell scrutinize and select projects from all departments to award SEED money to promote projects at the entry level. The Ethics Committee reviews conference and journal publications for plagiarism and code of ethics.

The Institution has an ecosystem for innovations including Entrepreneur Development Cell and Incubation Cell for helping successful engineering graduates to float startup ventures and technology transfer

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1672pEBxagyQ5VbMe7aatoveCIacxaLT3&name=Criterion%203.3.1

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

23

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

09

File Description	Documents
URL to the research page on HEI website	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1_GmhMyfR8Qm8-xKgokm-5_loAwh2kNH1&name=Criterion%203.4.2
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

37

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

12

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1o49ui_VoAOFSGJmkhn9-38I3-gvmgO3D&name=Criterion%203.4.4

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

196

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

14

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

3.5 - Consultancy

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

0

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

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

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	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

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

The extension activities in our college make the students to understand the community in which they will work and identify the needs and problems of community and involve them in problem solving. Extension Activities aims at enabling our student/volunteers to develop social responsibility and learning by doing. Service attitude is essential for any professional to flourish in his/her job. Our extension activities have multiple dimensions such as National Service Scheme, National Cadet Corps, Youth Red Cross, Red Ribbon Club, etc.. NSS activity makes the students confident, develop leadership skills, and gain knowledge about different people from different walks of life. Students also learn other skills that help them lead a better life in various situations. NSS offers a wonderful opportunity to empathize and help the poor and the under privileged countrymen living in slums and villages. It provides training to equip the volunteers with the minimum necessary skills to carryout programme.

The RRC of our college is encouraged to learn about safe and healthy lifestyles it promotes access to information on healthy life and voluntary blood donation. They create and provide opportunity to the zeal of volunteerism among youth to contribute towards the control and prevention of most hazard deceases.

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

03

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	View File

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)

14

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

2063

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**32**

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	View File

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 College encompasses a well maintained lush green campus spread over 60 acres of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning activities.

Classrooms: College encompasses sufficient number of well-furnished, well ventilated, spacious classrooms and lab equipped with LCD projectors for conducting theory classes.

Technology Enabled learning facility: The College has ICT Classrooms where the provision of Multimedia learning, Wi-Fi connectivity and internet facility

Seminar Hall: The College has multiple seminar halls and

regularly used for conducting national / international seminars at the college.

Laboratories: All the laboratories are established as per AICTE norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus. Labs have sufficient licensed software and open source tools to cater the requirements of curriculum & industry enabled teaching.

Wi-Fi: The entire campus is Wi-Fi enabled with 24/7 internet facilities to the students and staff.

Available bandwidth

100 Mbps

Faculty & Staff bandwidth limit

2.5Mbps/User

Students bandwidth limit

2 Mbps/User

Internet facility is available in whole campus including labs, classrooms, library, offices of all Departments and hostels.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1R8YjMnRSrLQwWakCrJnoDAELbLdpqhPb&name=Criterion%204.1.1

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

Indoor and outdoor games:

Football, Basketball, Cricket, Kabaddi, Ball Badminton, Shuttle Badminton, Table Tennis, Boxing, Hockey, Volleyball, Take-Won-Do, Judo, and Athletics all have strong teams at our college.

This year, three of our students were chosen for the women's university cricket squad.

Our campus is equipped with facilities for both indoor and outdoor sports and games, including badminton, volleyball, basketball, carom, table tennis, and chess. Sports tournaments and intra- and inter-faculty events are often held for students each year.

Gymnasium:

Male and Female gymnasiums at the college are both well-equipped with the most recent technology.

Yoga centre:

At the Dayalbagh Yoga Centre, some of the professors provide classes. Female pupils are given access to specific self-defense classes.

The Institute observes National Independence Day and Republic Day by raising the national flag, followed by a guard of honour for the Chief Guest performed by NCC students.

Cultural events:

On Convocation Day and other conferences around the world that the Institute sponsors, students present cultural activities. The Boys and Girls Hostels both host cultural events. Every department has a well-equipped assembly hall for hosting annual festivities and cultural activities.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1YA6PUwuZD0nZMuE5mNpgZLT22tM1a1BT&name=Criterion%204.1.2

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

53

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

310.53546

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Sengunthar Engineering College is an independent engineering college affiliated with Anna University in Chennai that was founded in 2001. The college features a distinct, exceptional integrated library that is housed in a 1526.954 square foot, two-story space. The hub of the college's teaching and learning activities, the library serves as a repository for knowledge and information.

A separate reading room with sections for journals and magazines, reprography, and a digital library is located on the ground floor. There are department-specific text books and reference books (UG and PG) on the first level, along with a sizable reading room and reference area. On our campus, there is a central library and a group discussion area that can accommodate 25 people.

The IIT Remote Center Bombay, a separate Group Discussion room, general aptitude books, book bank books, and back issues of periodicals are all located on the second floor. The college

library has enough books to cover all of the subjects offered at the college.

More than 38087 books, 300 e-journals, 17 periodicals, 459 CDs, 1287 back volumes, 1230 projects, NPTEL 6TB hardware, and online access to the digital library are also included in our collection.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1mZ3KBLwP5yXrFvZmNd5LHr5U1Oxe3VU5&name=Criterion%204.2.1

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

0.79850

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

100

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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 college has a comprehensive IT infrastructure, service, security, and administration system that is available to all departments. There is a 50mbps backbone connecting all PCs to the LAN. Internet access is available at all PCs. IT infrastructure is upgraded on a need-to- basis. Efforts are made to maintain previously purchased computers and other equipment.

The university is upgrading its IT infrastructure, and software for office automation, admissions, library, examinations, and other purposes is being implemented. Students are encouraged to use ICT tools to provide seminar speeches. Creation of committee regarding IT policy is under progress. The institute has always given priority for up-gradation of IT facilities. Regular updating is done in facilities at institute level as well as department level.

Wi-Fi has been installed around the campus to allow students and faculty members to easily access the internet. Due to rapid technological advancements, computers are upgraded on an almost yearly basis. On working days, all computer laboratories are open from 9 a.m. to 5 p.m., with the ability to extend the hours if necessary. If equipment is required, we submit the request six months in advance.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=h96zMZCXYQMXOY48XgqlwToSjxa07&name=Criterion%204.3.1

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2010	804

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**A. 750 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

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**A. All four of the above**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=14DQHZMXUvxSfAHFBXGSjaNsh2-EGu_CK&name=Criterion%204.3.4
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)****310.53546**

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

Response:

The institution has a clearly defined maintenance system for all of its academic, physical, and auxiliary facilities, including the lab, library, sports, computers, and classrooms. The maintenance committee, which was organized by the principal and included an administrative officer intern, oversees the work of the next-level supervisor. Regular maintenance and repairs are handled by this staff for things like furniture, masonry, plaster, painting, plumbing, housekeeping, gardening, transportation, RO plants, telecom and IT services.

Maintenance of Laboratory equipment

All laboratories follow to preventive maintenance and breakdown maintenance practises. Well-trained technical team maintains the machinery and equipment in the lab and workshop. A UPS system provides power backup for the computer labs.

Library maintenance

To guarantee effective library use, an entry and exit register is kept.

Depending on the demand from the teachers and students, the librarian would request the books from the department.

Periodically, books are cleaned to remove dust and prevent diseases.

Electrical maintenance

Electricians on staff maintain the generator, lighting, electricity, air conditioners, solar panels, and RO systems.

Transport maintenance

The institution maintains a fleet of buses available to staff and students.

Buses undergo routine cleaning. Vehicles are regularly greasing for smooth operation.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=199svafw3NHHACGJ3Z-4dcSwHKpeB-6Pn&name=Criterion%204.4.2

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

720

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

585

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

A. All of the above

Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	
File Description	Documents
Link to Institutional website	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1TU9H1nKqgAaETrei6g4y54DFvAR1TDH&name=Criterion%205.1.3
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	
702	
File Description	Documents
Any additional information	View File
Number of students benefitted 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

42

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

02

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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	View File

5.3 - Student Participation and Activities

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

03

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

- This empowers the students in gaining various skills apart from leadership and Headship qualities. Out of 43 Committees/Cells/Groups etc in the institution, students are actively involved as a key representative in 20 Cells, like Women Empowerment Cell, Green Club, Entrepreneurship Development Cell, Creativity and Innovation Cell, Toastmasters Club, Center for Excellence, Texas Innovation Lab, Tamil Mandram, Povrnami Kavirangam, Womens Forum, Blood Donors Club, NSS, YRC, RRC, Eco Club, Class Committee, Activity Based Learning Cell etc.

Few key activities of the Students in the Committees are:

- The composition of student members is of two topper, two average and two slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from First Year to Final Year.
- Apart from that we had formed Library committee for improving the reading habits of the students, Cultural Committee for students Extra Curricular Skill Development, for Discipline, Anti Ragging Committee, for Physical Fitness, Sports Committee.
- The funding for various activities of the internal college

bodies is provided by the College Management.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=1IilimJu8wwGh6kyx7T5aF2Q4pw0B3bK5&name=Criterion%205.3.2

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

03

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

Sengunthar Engineering College has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. This was registered under the Tamil Nadu Societies & Registration Act 1975 (CERTIFICATE OF REGISTRATION OF SOCIETIES : Sl.No.: 119/2010). The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni. Yearly a General Body Meeting is organized during the Graduation Day and nominates the Officer Bearers for the Association. The main roles of alumni association are, ? To build a bridge between college life and career life, so as introduce present students to the professional world and to make them proactive to face the challenges that may emerge in their career path. ? To provide job opportunities to fresh bachelors through references of professionals. ? To conduct orientation and training programs to students on various topics to enhance their skills. ? To create awareness among students about the

scope of their subject in the professional world. ? To provide a platform for students to develop their qualities. ? To participate in social welfare activities for social accountability.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IOAC/AQAR/AQARDocuments.cshtml?id=14dkdQ0GbGRC7RrghxU2FOZMN50zTarkX&name=Criterion%205.4.1

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 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

Our Governing body is more reflective and the main focus is on the vision and mission of the Institution.

Vision:

To produce talented engineers and technicians to meet the challenge of the modern world to train the young People to understand the human values.

Mission:

To offer professional education and bring out the hidden talents from the rural based students as our nation depends on rural mass.

To ensure that the Institution is efficiently managed and administered the college follows a time tested and successful competent secretarial constitution comprising of:

- The Management
- Principal
- Dean(s)
- Director-CR
- Heads of the Department
- Faculty Members
-

Regular meeting will be conducted to ensure the activities that tune with vision and mission of the institute.

The Institution focuses on the following areas of Governance.

- Teaching and Learning:
- Examination and Evaluation:
- Research and Development:
- Planning and Development:
- Library, ICT and Physical Infrastructure / Instrumentation:
- Human Resource Management
- Industry Interaction / Collaboration:

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1_jZ3pgQkyYTE0n3c8fIZyrSuitD3YI47&name=Criterion%206.1.1

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

Decentralization:

The Institute supports a trend of decentralized governance system with proper well defined inter-relationships. The management of the institute has decentralized functioning through governing body (GB), Secretary and Correspondent, Principal, Deans and HODs.

Regular meetings of these committees are held for the effective and smooth functioning of the institute. Administrative structure under which all the activities of the institute are carried out.

Decision making has been decentralized for effective leadership.

Participative management: The institute always promotes the culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by management. The students and faculties are allowed expressing themselves for any suggestions to improve the excellence in any aspect of the Institute. We have been given opportunities to non-academic staff members whenever the need arise.

. All the staff members actively participate in implementing the policies, procedures, and framework designed by the management in order to maintain and achieve the quality standards and achieve vision and mission of the institution. Non -Teaching and office staff is involved in executing day to day support services from students and faculties.

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	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1GKGmjdOq7lRTUbWEEa3_g02FB_IAsr30&name=Criterion%206.1.2

6.2 - Strategy Development and Deployment

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

Strategic Plan

The Institute has prepared a strategic plan to fulfill the infrastructure, Academic Development, extracurricular activities, Sports, Cultural and defined target for the infrastructural facilities and academic development of the Institute. These targets have been set with extensive consultation with the all stake holders, faculty, alumni, management and industry.

Perspective plan of the Institute for the period of 2021-2025,

- NAAC Accreditation with 'A++' Grade
- NBA Accreditation for eligible programmes
- To increase the no. of Faculty with Ph.D qualification.
- Promote industry-institution collaboration with top MNCs.
- Enhance the research and consultancy activities
- Renovate infrastructure facilities and support systems
- Introduce new programmes on current trend domains
- Improve the teaching learning process
- Enhance the Alumni interaction and outreach activities
- Conduction of training and value added courses
- Empower the EDC and WEC activities

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://scteng.co.in/IOAC/AOAR/AOARDocuments.cshtml?id=1Dt_oI7oSvqdP-NB6-ZDclthu62uZNqTO&name=Criterion%206.2.1
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.

The Institution has various committees and all the committees are effectively functioning to meet out its objective and to satisfaction of all the stakeholders. The effective functioning of the committee is monitored by the committee chairman. Our Institution has getting tremendous benefits that has been reflected in other metrics.

COMMITTEE LIST

STATUTARY BODIES

Governing Body Committee

Academic Council Committee

Board of Studies Committee

Finance Committee

NON - STATUTARY BODIES

Planning and Evaluation Committee

Grievance Redressal Committee

Examination Committee

Admission Committee

Library Committee

Student Welfare Committee

Sexual Harassment Committee

Extra - Curricular Activities Committee

Academic Audit Committee

File Description	Documents
Paste link to Organogram on the institution webpage	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1Vct1ldXz71G9Kwde-D-1RPWP0SbVsQES&name=Criterion%206.2.2
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1Vct1ldXz71G9Kwde-D-1RPWP0SbVsQES&name=Criterion%206.2.2

6.2.3 - Implementation of e-governance in**A. All of the above**

**areas of operation: Administration Finance
and Accounts Student Admission and
Support Examination**

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

Welfare measures for Teaching Staff:

- Sengunthar Employees Welfare Fund/
- Group Insurance.
- Festival advance.
- Medical Leave
- Earned Leave
- Free Transport Facility
- Prompt facilitation of Provident Fund loans.
- Hostel Accommodation facility
- On-Duty for attending programmes
- Financial assistance for FDP, Journal and workshop.
- Maternity Leaves to female staff
- Facility of Wi-Fi in campus.
- Ph.D. Increments to Teaching staff (Ph.D Allowance)

Welfare measures for Non-Teaching Staff:

- Membership of Group Insurance
- Sengunthar Employees Welfare Fund
- Festival advance.
- Festival bonus.
- Prompt facilitation of Provident Fund loans.

- Help with facilitation of bank loans.
- Crash Course in Computer Basics for Supporting Staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=11cd_6HceT9OHjlkyurMinsvJxdjHDYlf&name=Criterion%206.3.1

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

59

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

9

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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

365

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Institution conducts internal and external financial audits regularly

The Institution conducts internal and external audits on the every financial year to ensure financial compliance. The mechanisms used to monitor effective and efficient use of financial resources are as below:

- Before the commencement of every financial year, principal submits a budget proposal for approval by the management.
- College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses.

Process of the internal audit:

The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers.

Process of the external audit:

The accounts are audited by chartered accountant. The auditor ensures that all payments are duly authorized after the audit.

Audit Report

The audited statement is duly signed by the authorities of the management and chartered accountant.

As per the audited statement, Total income of Rs.5,66,47,764 has been arrived under various heads like Tuition fee, Exam fee, Bus fee, bank interest etc., and total expense of Rs.5,66,47,764 has been incurred under various heads like salary, book purchase, Research fund etc., during the financial year 2021-2022.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1YiiPWHajJRHUocFwzLhPoeVtp8TQbJ-p&name=Criterion%206.4.1

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)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Sources of funds are as follows:

1. **Fees:** Fees charged as per the university and government norms from students of various granted and self financed courses.
2. **Autonomous Collection:** Autonomous fees collected from students towards consolidated and provisional Mark statements, exam fee and mark statement fee.
3. **Interest and funding from other collections:**

Bank interest and funding from other collections towards PMKVY Training programme, AICTE -STTP are other sources.

The institute has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for

the development of the academic processes and infrastructure development.

- Institutional budget is prepared by Principal every year taking into consideration of recurring and non-recurring expenditures.
- Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to Principal.
- All the major financial decisions are taken by the Institute's Local Managing Committee (LMC/CDC) and Governing Body (GB).

As and when urgent requirements arise it is given after sanctioned revised from Management.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1kq0J6vKJPHSkcJZCjK2ambd7BN97sDoo&name=Criterion%206.4.3

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 been established in the institution for initiating quality enhancement scheme. It has been constituted as per the format prescribe by the NAAC and meetings are held periodically. Quality assurance strategy and processes are being discussed and subsequently review by IQAC cell has initiated various measures though it is in the first cycle of NAAC accreditation .

IQAC is one of the major policy making and implementing unit in our college. It strives hard for upgrading the college infrastructure and all support facilities to meet the standards

of higher education and growing need of students. It assesses and suggests the parameters of quality education.

The initiatives under taken are,

- Formation of IQAC cell
- Formation of alumni association
- Syllabus revision
- Initiating NAAC Preparation Work
- Initiating AAA committee Audit
- AICTE FDP Program
- NBA awareness program to Faculty members
- Constituting Various committees
- Review of performance of teaching and non-teaching staff
- Feedback collection from students, faculty and alumni
- Review of teaching learning process
- Improving library facilities
- Participation in NIRF

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1xDfwy677V6uEKD6J5dTyW9ikHfRorzCh&name=Criterion%206.5.1

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

IQAC being the central body within the college monitors and review the teaching-learning process regularly. Institutional strategic plan and activities are followed for the attainment. The feedback received from various stake holders. Based on feedback various innovative activities and reforms were introduced. The improvements based on feedback implemented are:

IQAC periodically reviews the teaching-learning process, structures & methodologies of operations, and learning outcomes:

The standard methods of teaching, learning, and evaluation which are proven over the years are being followed.

Academic Calendar

Preparation of lesson plan for each Semester

Faculty Class Record:

Evaluation of teachers by students

Student learning outcomes

1. Regular class tests and interactions
2. Continuous Evaluation comprising of internal tests, assignments, group discussions, and seminar presentations.
3. Semester system of examination for all courses.
4. Providing Question bank of various subjects to the students.
5. Providing Lecture notes through an online portal
6. Timely Redressal of students' grievances.
7. At least 75% Attendance is compulsory in each semester.
8. Extra classes for weak students to solve their problems.

Effective internal examination and evaluation systems: Institute maintains an effective internal examination and evaluation system.

Students' result analysis

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1_vQeWLKOBkJdTkcZRBj3JyvQXeMSG4d9&name=Criterion%206.5.2

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	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1GRGwACk20ocPjy4wP5caKegy95GXlhyY&name=Criterion%206.5.3
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

Gender equity has been encouraged in the recruitment of both teaching and non-teaching staff in our educational institutions. In addition, provisions have been made for women employees to get maternity leave.

The institute has a policy of appreciating faculty without gender bias. Women faculty are nominated, based on their ability, as deans, heads of the departments and conveners of various committees and discharging their duties efficiently

Separate NSS unit is functioning exclusively to encourage the female students and the unit is successfully conducting various activities to serve the society. Female students were actively participated in the various events conducted by the NCC unit of our college. Equal opportunities provided to the female students to participate in all the events like Students Technical Symposium, Celebrations of important days, Sports events, Cultural events and so on. Women empowerment cell, Grievance Redressal Cell & Sexual Harassment Cell are functioning effectively. Our institution prominently displays women's helpline numbers at different places on campuses.

Equal opportunities provided to the female students to participate in all the events like Symposiums, Celebrations of important days, Sports events, Cultural events, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1-CbErBsto8k7wchh-oTDnUCpni1Ftgw&name=Criterion%207.1.1

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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)

We devoted to "zero waste" and lowering the environmental effect of its activities through its "reduce-reuse-recycle" concept.

Efforts for Waste Management include:

The Vermicomposting Plant was built to digest the biodegradable wastes generated in college campus. Solid trash, such as falling leaves and kitchen garbage, is collected from various sources and classified based on its composition.

External agencies receive used papers, outdated news papers, note books and files for recycling. To reduce paper waste, double-sided printing is advised.

E-waste management:

Computer maintenance and repair are centralised for improved coordination. The damaged systems are scrapped, while the salvageable pieces are utilised to build replacements. The wasted components of the systems and other electronic equipment are sold to vendors for recycling.

The hostel and canteen create 14 kg of food waste every day, which is transported to piggeries. The amount of food waste created in the Hostel is checked on a regular basis, and the required efforts have been made to decrease food waste by raising awareness.

limiting the usage of plastic bags inside the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

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: <ol style="list-style-type: none"> 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
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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	A. Any 4 or all of the above
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assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. Institution is undertaking various initiatives in the form of celebration of days of Eminent personalities, National Festivals, NSS, YRC, Annual Day, Sports Day, National Level Students Technical Symposium and other such activities to provide for an inclusive environment by bringing students and teachers with diverse background on single platform. These functions help in developing tolerance harmony towards culture, region and linguistics and also communal, socio-economic and other diversities.

Drug Awareness Rally was organized by NCC, NSS students on 14.10.2022 from Tiruchengode Municipal Office to New Bus Stand.

National Unity Day was observed on 31.10.2022 by taking Pledge regarding awareness on the regional and communal relationship among others of all from the Institution.

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:	
<p>SEC undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation, values, rights, duties and responsibilities of the citizens.</p> <p>Every year Republic day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Similarly constitution day also would be celebrated on 26th Nov every year. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution.</p> <p>Our College (Autonomous) has introduced as a mandatory course 19MDC601 Constitution of India at UG Degree across all engineering disciplines to create awareness and sensitization the students and employees to constitution obligation .</p> <p>Various Programmes organised to create awareness on duties and responsibilities of students as a citizen.</p> <p>Name of the Activity</p> <p>Date</p> <p>World Environment Day</p> <p>05.06.2021</p> <p>Independence Day</p> <p>01.08.2021</p> <p>International Day for Disaster Risk Reduction</p> <p>13.10.2021</p>	

World Students Day

21.10.2021

World Food Day

25.10.2021

National Blood Donor's Day

26.10.2021

International Day of Non-Violence

26.10.2021

Clean India Safe India

27.10.2021

World Tsunami Day

22.11.2021

Intellectual Property Rights

28.12.2021

Polio Free World

24.01.2022

Republic Day

31.01.2022

Yoga Day

21.06.2022

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

The following important days were celebrated in the college.

S.No

Name of the Activity

Date

1.

World Environment Day

05.06.2021

2.

Independence Day

01.08.2021

3.

Free Blood Donation Camp

22.09.2021

4.

World Heart Day

29.09.2021

5.

Fit India Movement (Yoga Activity)

06.10.2021

6.

International Day for Disaster Risk Reduction

13.10.2021

7.

World Mental Health Day

18.10.2021

8.

World Students Day

21.10.2021

9.

World Food Day

25.10.2021

10.

National Blood Donor's Day

26.10.2021

11.

International Day Of Non-Violence

26.10.2021

12.

Clean India Safe India

27.10.2021

13.

Vaccination Camp

30.10.2021

14.

World Tsunami Day

22.11.2021

15.

Intellectual Property Rights

28.12.2021

16.

Polio Free World

24.01.2022

17.

Republic Day

31.01.2022

18.

Free Blood Donation Camp

16.02.2022

19.

Campus Clean Camp

19.04.2022

20.

Yoga Day

21.06.2022

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	View File

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

Our institution fosters to pursue international Quality standards of excellence in Academics, Research and Consultancy, Administration, Extension Services. The college follows an outcome base education by developing course plans with objectives and outcomes. We believe in inculcating knowledge

into young minds in such a way that it further blooms and grows like a beautiful tree. In line with this, we adopt core values for continuous learning where every student is trained through Best Practices. The salient Best practices pursued by the institute are as follows ? Foster Skill development of the students ? Pournami Kaviyarangam

File Description	Documents
Best practices in the Institutional website	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1coyblczml0a1YZCbfdHD7REs60GkQue&name=Criterion%207.2
Any other relevant information	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1coyblczml0a1YZCbfdHD7REs60GkQue&name=Criterion%207.2

7.3 - Institutional Distinctiveness

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

The one and only college that Introduced Minor Degrees/Honours to rural students in Tamil Nadu to produce Technocrats and Entrepreneurs which proclaims the uniqueness of our college.

Our college provides Value Based Education to students. The curriculum provides a means to implement values in the form of courses like "Life Skills" which focus on critical thinking on particular problems, handling engineering ethics and human values, team work, communication skills which provides the base for the inculcation of values.

Pournami Kaviyarangam is conducted for the students to enhance their talent in Tamil language. Centered on the theme of Tamil art forms and cultural, the ardent group of students and faculty members organizes the event as a tribute to this ancient language under the chairmanship of Prof. A.Baladhandapani, Correspondent of the college.

- In addition to that NCC (Air Wing), NCC (Army Wing) and NSS (2 Units) are effectively working for the students to excel in academic and other activities.

File Description	Documents
Appropriate link in the institutional website	http://scteng.co.in/IQAC/AQAR/AQARDocuments.cshtml?id=1ZUIu82iKWzdpzZnRV8xtKM2IhT9WjJ8c&name=Criterion%207.3..1
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

A plan of action is framed by the institution to excel in the field of education. The following areas are to be concentrated to promote the Institution into the next level:

- To execute various curricular and co-curricular activities towards to fulfill the needs to receive the highest grade of A++ in NAAC.
- Admission promotion is to be carried out through Social media platform and Admission teams to be constituted to achieve the better improvement.
- To work towards getting the best ranking status among the colleges in and around Namakkal.
- To aim for conducting a minimum of two international conferences per year.
- To offer Hands-on Training along with certificates which make the student's profile better and it will command better placements with the industries.
- To work for obtaining State and Centre Government recognition of the Department
- To improve academic results by taking necessary initiatives and to carryout remedial measures