



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1. Name of the Institution

SRI ESHWAR COLLEGE OF ENGINEERING
(AUTONOMOUS)

- Name of the Head of the institution **Dr. Sudha Mohanram**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **04259200300**
- Alternate phone No. **04259200306**
- Mobile No. (Principal) **9842211056**
- Registered e-mail ID (Principal) **sece@sece.ac.in**
- Address **Kondampatti (Post) Vadasithur
(via) Kinathukadavu,**
- City/Town **Coimbatore**
- State/UT **Tamilnadu**
- Pin Code **641202**

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 **Dr. Lakshmanan M**
- Phone No. **04259200487**
- Mobile No: **9659553557**
- IQAC e-mail ID **deaniqac@sece.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://sece.ac.in/wp-content/uploads/2021/09/AQAR-2019-20-Final.pdf>

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

- if yes, whether it is uploaded in the Institutional website Web link: <https://sece.ac.in/wp-content/uploads/2021/12/Academic-Calendar-2020-21.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.27	2016	11/07/2016	31/12/2024

6. Date of Establishment of IQAC **02/07/2015**

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
Sri Eshwar College of Engineering, Research and Innovations, Dr.G.Karuppusami	Innovation and Entrepreneurship Development Centre (IEDC)	The National Science & Technology Entrepreneurship Development Board (NSTEDB)	01/01/2020	8,00,000
Sri Eshwar	Research	DST-SERB	02/01/2017	1,69,000

College of Engineering, Electronics and Communication Engineering, Dr.R.Michael raj Kingston	fund			
Sri Eshwar College of Engineering, Research and Innovations, Dr.G.Karuppusami	Project	MHRD	10/05/2021	1,75,000
Sri Eshwar College of Engineering, Research and Innovations, Dr.G.Karuppusami	Skill Development	NSTEDB	03/12/2020	1,60,000
Sri Eshwar College of Engineering, Electrical and Electronics Engineering, Mr.P.Anbarasu	Project	TNSCST	29/03/2021	20,000

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 1

- 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)

Spearheaded the preparation for the NBA Compliance Visit of four UG Programs

Participation in NIRF Ranking

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
To initiate launching of new programmes in emerging areas	B. Tech - Artificial Intelligence and Data Science and B.Tech.- Computer Science and Business Systems are introduced. Students admitted in these programs during Tamilnadu Engineering Admission (TNEA) - 2020.
To create facilities for student Entrepreneurs	Sri Eshwar Makerspace inaugurated on 19/08/2021 with required facilities for student Entrepreneurs.
To establish Next Gen Centre of Excellence (COE) on Emerging Technologies	Next Gen COEs in the domain of Artificial Intelligence and Machine Learning, Advanced IoT, Advanced VLSI Design, Data Science, Design Thinking, Advanced Cloud Technologies, Rapid Prototyping, Augmented Reality and Virtual Reality are established. These are inaugurated in virtual mode on 28/06/2021 in association with

	reputed Industries.
To conduct Internal Academic and Administrative Audit	IQAC conducted Academic and Administrative Audit of the institute on 17/03/21 & 18/03/2021 and 24/03/2021 & 25/03/2021
To establish NCC Army Wing.	NCC Army Wing inaugurated on 28/12/2020 and functioning effectively in the campus.
To promote research culture in the institute to strengthen the publication in journals and conferences, filing of patents and sponsored projects.	Improvement in the number of publications in journals and conferences, filing of patents and sponsored projects.
To install Elevators	Elevators are installed in the year 2020-21 for the usage of stakeholders.
To conduct online Classes for the year 2020-2021 due to curfew during the Pandemic situation.	All the classes of UG and PG programs were well carried out as per the action plan during Covid 19 pandemic

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Management	01/09/2021

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

Part A**Data of the Institution**

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Participation in NIRF Ranking		
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Name of the statutory body	Date of meeting(s)
Management	01/09/2021
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	

Year	Date of Submission
2020-21	28/03/2022

15. Multidisciplinary / interdisciplinary

Introducing interdisciplinary or multidisciplinary elements in the curriculum of engineering courses has become an important consideration in modern education. Traditionally, engineering disciplines have been taught siloed, with students focusing on specialized areas of study. However, integrating interdisciplinary or multidisciplinary approaches has gained traction with the increasing complexity of real-world problems and the need for innovative solutions.

Some engineering programs strike a balance by incorporating both interdisciplinary and multidisciplinary elements in their curricula. This hybrid approach allows students to experience the benefits of collaboration across disciplines while retaining depth in their chosen fields.

In conclusion, introducing interdisciplinary or multidisciplinary elements in the curriculum of engineering courses can significantly benefit students and better prepare them for the complexities of the modern world. These approaches foster innovation, problem-solving abilities, and collaboration skills, all valuable assets in the professional engineering landscape. However, implementing such changes requires institutional commitment and collaboration among faculty from different disciplines to create a successful and cohesive learning experience for students.

Our institution has autonomous status enables us to design a flexible, interdisciplinary/multidisciplinary curriculum incorporating credit-based courses, community engagement, and value-based education, resulting in a seamless multidisciplinary holistic education.

16. Academic bank of credits (ABC):

The Academic Bank of Credits has been established on the lines of the National Academic Depository (NAD). NAD is the backbone of ABC, where the students' academic data are held, and academic awards are stored (i.e. storehouse of academic awards). Even though ABC enables students to register or commence credit transfer, the final outcomes of credit redemption and issuance of certificates and the compilation of award records are

administered by academic institutions via the NAD Platform. Hence, as the academic awards owner, Academic Institutions must mandatorily register themselves under ABC via NAD.

ABC aims to provide a flexible and modular approach to learning and credentialing. It operates on the principle of accumulating and transferring academic credits earned by students from one educational institution to another, facilitating lifelong learning and enhancing educational mobility.

Overall, the Academic Bank of Credits holds the potential to transform the way education is structured and delivered, offering students greater flexibility and lifelong learning opportunities. However, its successful implementation requires careful planning, collaboration, and commitment from educational institutions, policymakers, and stakeholders.

17.Skill development:

Our institution is recognized by many Government bodies to conduct vocational education leading to soft skill development and entrepreneurship development. We won awards as part of skill development programmes at National level. The following are the details.

- National Science and Technology Entrepreneurship Board (NSTEDB), Department of Science and Technology (DST), Government of India has approved establishment of Innovation and Entrepreneurship Development Center (IEDC) at Sri Eshwar vide their letter D.O. No. 11/14/2015-NEB dated 1st Jan 2016. The amount sanctioned is Rs 45.30 Lakhs. We provided skill development programmes using this fund.
- Sri Eshwar was awarded commendation certificate in recognition of outstanding contribution under the category 'Best Organization encouraging entrepreneur in MSME including self-employment through vocational training' by ASSOCHAM, India in 2014-15 on 20th Jan 2015.
- Sri Eshwar has been approved as 'Solar Energy Training Network Partner' (SETNET) by National Institute of Solar Energy (NISE), Ministry of MNRE, Government of India on 9th Feb 2015. We trained 200 candidates in solar technology under this programme.
- Sri Eshwar received national level award as "Best University / Professional institution for skill development" from ASSOCHAM, India. The award was given by

Honorable Minister Mr. Rajeev Pradap Rudi, Minister for skill development and Entrepreneurship, Government of India on 9th August 2017.

- Ministry of Micro, Small and Medium Enterprises (MSME), Government of India, has approved establishment of "Business Incubator" (BI) at Sri Eshwar vide their letter dated 7th Feb 2018. Each BI is expected to help with the incubation of about 10 new ideas or units. The total amount sanctioned for the BI. is Rs 66.50 Lakhs including infrastructure development.
- There are different programmes offered to promote vocational education and its integration into mainstream education.

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

The appropriate integration of the Indian knowledge system into education can be achieved through a thoughtful approach that respects and preserves Indian culture, language, and traditions while leveraging modern technologies like online courses. Here are some strategies for the integration:

1. Local Language Instruction
2. Culture-Infused Curriculum
3. Indigenous Knowledge and Practices
4. Online Courses with Local Context
5. Collaboration with Local Experts
6. Community Engagement
7. Emphasize Sustainability and Ethical Practices

By adopting these strategies, educational institutions can ensure that Indian knowledge systems are respected, preserved, and passed on to future generations while embracing the benefits of modern technology and online learning. This approach encourages students to develop a strong cultural identity, critical thinking skills, and a deeper appreciation for their heritage.

Our curriculum introduces the following courses to teach them the importance of Indian Ethics and Culture.

U19HS11X: Language Elective Humanities and Social Sciences.

This course mainly discusses on

- Introduction to Effective Speaking

- Different Strategies for Reading
- Group Interaction
- Introduction to Effective Writing
- Effective Writing

U19MC201: Environmental Science

This course focuses on

- Environment and Ecosystem
- Environmental Pollution
- Risk and Security of Environment
- Energy Resources
- Social Issues and The Environment

U19MC202: Indian Constitution and Tradition

This course focuses on

- History of the Indian Constitution
- Fundamental Rights and Duties
- Federal Structure and Distribution of Powers
- Constitutional Amendments and Emergency Provisions

Right to Equality, Freedom, And Personal Liberty

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

Outcome-Based Education (OBE) is an educational approach that defines specific learning outcomes and designs the curriculum, instruction, and assessment to achieve those outcomes. The primary emphasis of OBE is on what students should know, understand, and be able to do at the end of their learning experience. This approach shifts the focus from teacher-centred teaching to learner-centred learning, and it has gained popularity in educational institutions worldwide.

Key Principles of Outcome-Based Education:

1. Defined Learning Outcomes
2. Student-Centered Approach
3. Aligning Curriculum, Instruction, and Assessment
4. Competency-Based Progression
5. Continuous Improvement and Feedback
6. Real-World Relevance

Benefits of Outcome-Based Education:

1. Clarity in Learning Objectives.
2. Student Engagement
3. Tailored Learning
4. Better Alignment with Industry Needs
5. Continuous Improvement

In conclusion, Outcome-Based Education is an approach that prioritizes specific learning outcomes, student-centred learning, and alignment between curriculum, instruction, and assessment. While it offers numerous benefits, implementing OBE may require overcoming various challenges. However, when effectively executed, it can improve the quality and relevance of education for students.

The institution has initiated many steps towards transforming the curriculum towards Outcome Based Education. As a result, four major UG programs of the institution, i.e., B.E. Mechanical Engineering, B.E. Electronics and Communication Engineering, B.E. Computer Science Engineering and B.E. Electrical and Electronics Engineering are accredited by NBA since 2018, which is a testimony to its focus on the adoption of Outcome Based Education.

20.Distance education/online education:

SECE recognized the increasing prevalence of online education, particularly in light of technological advancements and the impact of the COVID-19 pandemic and the landscape of engineering disciplines. Embracing this transformative shift, SECE witnessed with online education is the flexibility and accessibility it offers to students. By providing the opportunity to learn at their own pace and from any location with an internet connection, we ensure that our engineering programs are accessible to a diverse and global student body. This flexibility has proven highly beneficial for students managing work or family commitments while pursuing their academic aspirations.

Online education has also allowed us to diversify our course offerings and cater to a wider range of interests and specializations within engineering. SECE provides a more comprehensive selection of courses, including those that may have limited demand in traditional classroom settings. Through this

approach, we aim to meet the varied academic needs of our students and prepare them for the multifaceted challenges of the engineering profession.

Moreover, embracing online education enables us to align our courses with industry needs and emerging technologies. By offering specific industry-relevant skills and knowledge, we ensure our graduates are well-equipped to thrive in the rapidly evolving engineering landscape. This alignment with industry demands strengthens our reputation as a college that produces highly skilled and job-ready engineering professionals.

Collaborative learning has flourished in this digital learning environment as students from diverse locations share insights and experiences. This dynamic interaction fosters a sense of community. It enhances the overall learning experience for our students, empowering them to develop problem-solving abilities and critical thinking skills through collaborative engagements.

While we celebrate the advantages of online education, we are also mindful of its challenges. Engineering education inherently involves hands-on practical training, which we value greatly. We are committed to exploring innovative solutions such as virtual labs and hybrid approaches to ensure our students receive the practical experiences and training essential to their growth as competent engineers.

SECE remains dedicated to shaping a dynamic and inclusive educational environment that nurtures the potential of each student and prepares them to become future leaders and problem solvers in the engineering field. Together, we embrace the transformative power of online education and reaffirm our commitment to excellence in engineering education

Extended Profile

1.Programme

1.1

12

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student2.1 2089

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 546

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2082

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.Academic3.1 619

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 179

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	12
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	2089
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	546
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	2082
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	619
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	179
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	174
Number of sanctioned posts for the year:	
4.Institution	
4.1	497
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	55
Total number of Classrooms and Seminar halls	
4.3	1046
Total number of computers on campus for academic purposes	
4.4	928.18
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.

Sri Eshwar College of Engineering (SECE) provides a holistic approach to quality-based education and outcome-based learning for all students. The institution strives with a single-minded focus to impart quality education and enables the students to be industry ready and fulfill their career goals. Thus, the student's knowledge and skills are regularly monitored to identify their requirements and are included in the curriculum

to bridge the gap between education and employability. The curriculum and syllabi are framed based on the guidelines of AICTE, UGC, Anna University, and other stakeholders.

Developing and implementing curricula relevant to local, national, regional, and global developmental needs is crucial for educational institutions. This ensures that the education provided aligns with the demands of society and prepares students to address real-world challenges effectively. To achieve this, our institution uses frameworks like Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). SECE sticks to Outcome Based Education (OBE) for the teaching-learning process from 2015 onwards for all its programs.

By aligning these outcomes (POs, PSOs, and COs) with local, national, regional, and global developmental needs, we can ensure that our curricula remain relevant and responsive to the changing demands of society. This alignment helps graduates to be better equipped to contribute meaningfully to their communities and address broader global challenges. Regular reviews and updates of the curricula based on feedback from employers, industry trends, and advancements in knowledge also play a crucial role in maintaining the relevance of the educational programs.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%201.1.1%20-%20b.pdf

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

11

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

437

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	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

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

58

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

12

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

1.3 - Curriculum Enrichment

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

In the autonomous R2019 and Anna University regulations, the curricula of all programs include courses addressing cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values, etc through the below courses:

Intellectual Property Rights

Professional Ethics in Engineering

Professional Communication

Research Methodology and IPR

English for Research Paper Writing

Human Rights

Indian Constitution and Tradition

Environmental Science and Engineering

Disaster Management

Air Pollution and Control Engineering

Hospital Waste Management

Energy Conservation and Management.

Climate Change and its Impact

Environmental and Social Impact Assessment

Waste Water Treatment

Environmental Science

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

15

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	No File Uploaded

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

1476

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

1191

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://sece.ac.in/wp-content/uploads/2023/05/1.4.1-a.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://sece.ac.in/wp-content/uploads/2023/07/1.4.2-a-2020-2021.pdf
Any additional information	No File Uploaded

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

606

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)

557

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.

Slow Learners

Slow learners are adopted by tutors and constantly guided to improve their performance to move them out of the risk of dropping out

Slow learners are given extra coaching and care within the working hours of the college.

Periodic counseling and motivational sessions for both the students and parents to support and motivate them.

Advanced Learners

Advanced learners have the freedom to register and undergo fast-track courses so that they can complete their PE and OE Courses in advance.

Credit transfer is permitted if they successfully complete online courses in SWAYAM and NPTEL

Students Abroad Transfer Programs are organized along with credit transfer to have a holistic development

Advanced Learners are identified by continuous monitoring of their academic performance and participation in co-curricular activities. The following additional supports are provided to enhance their performance and to achieve top ranks in the End Semester Autonomous Examinations

Students who maintain a CGPA of 7.5 and above without any standing arrears at the end of the 4th semester are identified as Advanced Learners.

Facilitation is provided for taking up competitive exams such as GATE, CAT, GRE, TOEFL, etc.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2089	179

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

- Experiential learning comprises learning activities, both inside and outside the classroom, that are designed to actively engage students to learn by doing and then reflecting on the process and experience and actively creating their own understanding.
- In-plant Training and Internships are mandated during their vacation to have hands-on experience
- The concept of Lab to Class is provided for better understanding and also credentials to the online platforms are provided to learn beyond the classroom
- Mini-project are introduced which makes the learners have experiential learning in their field of study

Participative Learning

- To make the classes more interesting and effective, Quiz Programs, Video Clippings, etc. are used through ICT-enabled classrooms.
- In every class, 10 minutes of time is allocated for the

students to do a sum up of the topic learned. This is done through recap sessions by the students.

- Various lectures by industry personnel are organized for the students to interact with and know about current technological trends.
- In every class, the faculty asks a logical question for the students to answer.

Problem-Solving Methodologies

- Courses on Design Thinking are introduced, which enables the students to approach the given problem in a scientific method
- Case Studies are discussed to approach solutions for the real-time problems.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

SECE has been constantly striving to move from faculty-centric learning to student-centric learning.

- The institution has always been placing the students at the centre of the teaching-learning process.
- The Vision and the Mission of the institution are to provide holistic education to the students. Keeping the students' learning at the centre of everything, the institution understands that the teachers have to be reoriented from time to time.
- The institution encourages the staff to undergo training on ICT-enabled teaching, learning, and organizing such seminars and workshops and thereby renders the role of a facilitator.
- Training sessions for placement, seminars, and workshops for knowledge enrichment in various fields are conducted using ICT.
- Well-equipped computer Labs and LCD projectors are available to the faculty members for organizing seminars, conducting workshops, and computer-aided training.

- Students are encouraged to register for online courses offered by MIT EDX, Khan Academy, Coursera, and IITs
- During the lockdown, the online learning management tool "ED-MATRIX" was created for handling the classes through which discussions, quizzes, assessments, and programming experiments were conducted.
- Students are encouraged to view webinars of MATLAB, online ACM webcasts, and NPTEL. Courseware is developed by faculty members and uploaded in ERP for access by students in a secure manner.

The courseware contains

- Lesson plan
- Syllabus
- E-books
- Lecture Notes
- Previous year University question papers
- Question bank with keys
- Objective/ Small questions with answers
- Link to Video materials
- References

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://sece.ac.in/naac/Q%2020-21%20-%202020.3.2%20%20-%20b.pdf
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

107

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

Being affiliated with Anna University Chennai, the Institution's calendar is prepared taking various inputs from the University's Academic schedule. Autonomous End semester examinations are conducted as per guidelines specified by the University. In alignment with the institution calendar department's academic calendar is also prepared which includes specific activities of the department like industrial visits, Guest lectures, Students seminars, Faculty seminars, Internal auditing, and all academic-related activities

The academic calendar is the total action plan for various academic activities of the institution which comprises the following:

- Dates for commencement of classes
- Class Committee Meeting Dates
- Online Students Feedback Dates
- Schedule for weekly tests, internal tests, and model exams
- Details of Holidays
- International Days to be celebrated

Internal academic evaluation is done through Continuous Internal Assessment Tests (CIA). Three CIAs are conducted in the semester. All the faculty members and students are expected to adhere to the Institution's calendar and prepare their lecture and assessment schedule accordingly. In view of easy accessibility, the academic calendar is uploaded to the college ERP platform so that students and faculty can plan their activities. In addition to the academic, industrial visits and National and International events are also highlighted. Independence Day, Republic Day, Women's Day, Engineers' Day, and Teachers' Day are also mentioned in the schedule. All the events are celebrated to provide the real meaning and value of that function.

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

179

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

32

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)

1031

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

62

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

65

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

- ERP tool is integrated into the institution system to capture all the details pertaining to student's admission, attendance, Teaching Learning Process (TLP), and examination process
- CIA marks are entered in the ERP tool which gives the report with all necessary details like class topper, average mark, maximum mark, pass percentage, etc.,
- Collection of Fees, Hall Ticket generation, Result Process, Result Publication, and applying for re-valuation if needed are all done by an ICT-enabled ERP tool.
- An exclusive dashboard for the COE process is available and all the students are provided with individual login credentials to view their attendance, examination result, etc.
- This tool also enables parents to view their ward's progress regularly
- Apart from the CIA test, marks obtained by students through other assessment tools like Assignments, Quizzes, Presentations, Tutorials, etc., are also captured in the ICT-enabled ERP tool.
- Internal Marks of students are auto-generated by taking

into account all the assessment processes used in the TLP.

- Quizzes are conducted inonline mode. Clicker based tool is used to conduct quizzes during the class hour which gives instantaneous results and progress of the students

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/O%2020-21%20-%202.5.3%20%20-%20b.pdf

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 Outcomes (POs) represent the knowledge, skills, and attitudes the students should have at the end of a program.

Program Specific Outcomes (PSOs) are statements that describe what the graduates of a specific subject or program should be able to do. PSOs are program specific and are written by the department offering the program.

Course Outcomes (COs) are the concepts and skills that students are expected to know and demonstrate upon completion of a particular course.

COs are drafted during the framing of the syllabus of each course and are approved by PAC and BoS.

On the website, under the Academic tab, Curriculum, and Syllabi are displayed for anytime reference.

Every faculty shares the COs during the first lecture of the course and are made available onthe website.

The POs and PSOs of all programs are punished on the website and strategic locations of the institute and in the syllabus book of programs.

Thus, the institution has in place well-defined POs and PSOs for all programs and COs for all the courses. These details are published on the institution's website and are integrated with the teaching-learning and evaluation system of the institution.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

The process of CO Attainment and PO Attainment is described in the attachment below.

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

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

518

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	https://sece.ac.in/wp-content/uploads/2023/07/2.6.3.1-ANNUAL-REPORT-2020-2021-WITH-NOTE.pdf

2.7 - Student Satisfaction Survey

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

<https://sece.ac.in/wp-content/uploads/2022/05/2.7.1-Overall-Institution-Performance-2020-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Sri Eshwar College of Engineering envisions becoming a premier research institution by creating a research culture and nurturing research. To achieve our vision, Sri Eshwar's Centre for Research (CFR) was established. This Centre is headed by Dean-Research & Innovations, supported by Research Advisory Board, Institutional Research Committee, Research ethics committee, Institutional Research Coordinator, and Department Research Heads, who will carry out the research-related responsibilities.

To enhance the quality of research activities, with input from researchers of high experience and reputation, Sri Eshwar has constituted the Research Advisory Board. While the Research Advisory Board will provide input for enhancing the research policies in line with global standards, the Institutional Research Committee will focus on defining the processes and overseeing the effective implementation of these processes in various research activities of the institution.

The availability of required resources is the key to the success of research activities. The management accords extreme importance to this aspect and provides resources for research activities. The institution propagates and practices a high level of integrity in all its research activities. The management firmly believes that the volume and quality of research activities can be enhanced only by constantly motivating the researchers with recognition in the form of awards and incentives.

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	https://sece.ac.in/research-consultancy-policy/
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

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

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

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

13.64

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

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/O%2020-21%20-%203.2.2%20-%20a%20-%202020-21.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.serbonline.in/SERB/HomePage
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

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

Sri Eshwar College of Engineering has a well-established cell for Research and Innovations (R&I) headed by a Dean of Research & Innovation who has rich experience in industry as well as academia. Also, a self-funded incubation center "Sri Eshwar Ignite Accelerator" is established on the campus with a carpet area of around 2400 sq. ft. to foster the aspirations of student entrepreneurs and innovation among the teaching fraternity and students. Common facilities like tools for rapid prototyping, maker space, project discussion rooms, etc. are provided in the above incubation center. The faculty members are trained by the Institution Innovation Council (IIC) under the Ministry of Education in New Delhi and certified as Level 1 and Level 2 Innovation Ambassadors. Several activities on innovation and entrepreneurship are conducted throughout the year. Frequently, competitions relevant to Innovation like Innovative Project Expo, Ideathon, Boot Camp, etc., are organized to kindle the creativity of the students and the faculty members. Technical and financial assistance is provided to student entrepreneurs through industry mentors and through government bodies like

MSME, IEDC, etc. The sole objective of the Incubation Center is to facilitate students/entrepreneurs to convert their innovative ideas into Technological Innovations.

The Centers of Excellence (CoE) are created with industry collaborations like Cadence, Amazon, BahwanCybertek, Funds India, VRHub, etc., and academic collaborations like NIT, Trichy, IIITDM, Kanchipuram on various thrust areas specified by AICTE.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/10/3.3.1-b-1.pdf

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

25

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

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	No File Uploaded

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

3.4.2.1 - Number of PhD students registered during the year

00

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

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

0.19

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

0.324

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%203.4.4%20-%20b.pdf

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

624

File Description	Documents
Any additional information	No File Uploaded
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

12

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

2.61

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	No File Uploaded

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

1.25

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

3.6 - Extension Activities

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

SECE has adopted five villages in surrounding areas to implement the extension activities under Unnat Bharat Abhiyan. Students are exposed to cross-cutting themes such as care of the old aged, sick, disabled, underprivileged people, and youth through rallies, medical camps, street plays, skill development, webinars, environmental projects, and other welfare activities.

NSS, NCC, YRC, and RRC are among the prominent cells in the college for extension activities that encourage students to participate in a variety of social welfare activities. Aside

from that, our institute maintains a SESSWA social welfare committee. NSS students clean the surrounding adopted villages on a regular basis and plant tree saplings. Our institution has installed 5 smart classrooms in government schools of adopted villages and skill development activities are carried out in it. The following activities are organized to engage the teaching fraternity and students with the neighborhood community like, Swachh Bharat initiatives, Say 'NO' to Plastic campaign, Tree plantation, Health camps, Blood donation camps, etc.

Special initiatives were carried out to mitigate the impact of COVID in the surrounding community. In collaboration with Unnat Bharath Abhiyan (UBA), the institution has donated medicine kits, beds, and cots to the community of Vadasithur. The institution has organized five COVID vaccination camps at our premises and face masks were handed out to the general public and encouraged them to follow the COVID protocol. People were given information on SOPs, mask use, and other topics by posting posters and conducting rallies in public places.

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

1

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)

11

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

580

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

23

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

17

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution facilitates sufficient access to physical facilities and infrastructure in accordance with its Vision "To be recognized as a premier institute, grooming our students to become globally recognized engineers". A major feature of the institution is that its management has extensive experience in teaching and learning. The development of curriculum frameworks and transaction mechanisms ensures that students acquire skills. Institute provides students with a range of imbibed educational values, including collaborative, question-centered, interactive, and exploratory activities for deeper and more experiential learning, such as cooperative and student-centered learning. Smart classrooms, Centre of Excellence, Industry Powered Laboratory, Extended IT Development Centre, NPTEL Local Chapter, Ignite Startup Accelerator, Sri Eshwar Makerspace, computer labs, a central library, a department library, and meeting rooms are all equipped with ICT & Wi-Fi.

Information and network services are readily accessible at SECE. All the academic blocks, laboratories, and hostels are connected over high-speed internet connectivity. All computers are connected to the internet over high-speed cables facilitating the availability of computers to students.

The existing infrastructure is upgraded and/or added as a result of suggestions from the BOS, Academic council, governing council, heads of department, teaching staff, non-teaching staff, and other stakeholders.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/12/4.1.1_compressed.pdf

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

The institution is committed to create a balanced atmosphere of

academic part and Games in developing skills such as self-discipline, teamwork, responsibility, citizenship, and self-initiative. Sports is an integral pedagogical approach to the students inside the campus for the overall personality development by organizing "Techno-Cultural Sports Event"

The Open-Air Theatre was created for conducting various cultural programs and main celebrations.

The department of Physical Education in the college is well equipped with various facilities and a faculty designated as Sports Coordinator is assigned with the responsibility of conducting various tournaments and motivating the students to participate in inter-university and intra-university and other tournaments. In addition, the coordinator maintains sports accessories and supports accessories for indoor and outdoor games.

The indoor game facilities such as Chess, Carom, and Table Tennis, and outdoor games such as Cricket, Volleyball, Basketball, Football, kho-kho, Kabaddi, Handball court, Shuttle court, High jump pit, long jump pit, Pole vault pit. The institution is more focused on the students developing their physical strength and fitness. A classy gymnasium is also facilitated, and various State Level tournaments and central zone tournaments will be organized. The students participated in the various competitions organized by other colleges and won many prizes and were selected as university-level teams in basketball, volleyball, etc.,

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/12/4.1.2.pdf

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

55

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)

10.99935

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

4.2 - Library as a Learning Resource

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

Name of the ILMS software - IMPRES ERP

Nature of automation (fully or partially) - Fully

Version - 5.6

Year of Automation - 2008

OPAC (Online Public Access Catalogue)

- Web-based OPAC (Online Public Access Catalogue) facility is made available through ERP Library Management Software to know the bibliographical details about the collection
- A separate computer is made available in the Central Library for the web-based OPAC facility. Users from anywhere can search the library collection. Search by giving Title, Author, and Department is provided through OPAC.

Electronic Resource Management package for e-journals

- E-resource packages of DELNET CONSORTIUM are subscribed for the benefit of students and faculty.
- These e-resources can be accessed from anywhere on the SECE campus and link to all e-resources available.
- A link to scholarly open-access journals/databases is also given.
- Federated searching tools to search articles in multiple databases
- Free search engines on the Internet such as Google Scholar, Google, Yahoo, Ask, Bing are used for searching articles in multiple databases.
- The library has a subscription to the IEEE Xplore where the federated search facility is available.
- In-house/remote access to e-publications
- Institutional Repository
- Content management system for e-learning
- Participation in Resource sharing networks/consortia

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://103.5.112.63/impreserp/OPAC/

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)

4.4607

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

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

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

92

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

4.3 - IT Infrastructure

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

The Institution has established a well-defined and documented IT Policy that covers various aspects including Wi-Fi, Cyber Security, IT Asset Management, Network Usage, Data Backup, Installation of IT Hardware and Software, Web Hosting, and E-waste Management.

Budget Allocation for updating IT infrastructure -Considering the various developments in academics viz., additional intake of students, addition of new courses, and replacement of existing old systems, the IT department creates a budget every year and gets the same approval.

Wi-Fi - The institution currently has 200 Mbps of Network bandwidth from multiple service providers to avoid any single-point failure in network bandwidth provision.

Cyber Security - Sophosfirewall has been installed to prevent any intrusion into the IT environment of the institution and a potential IT breach. The institution has also invested in an Anti-virus tool viz., Secrite End Point Security software to prevent any potential virus attack that may cause disruption to

the IT services of the institution. Awareness programmes on IT security are conducted for the stakeholders to sensitize them on the importance of the protection of their IT assets and data. The institution has also installed tools to monitor any unusual behaviour of the IT systems to take preventive actions.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2089	1046

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. 50 Mbps

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

4.3.4 - Institution has facilities for e-content development:

A. All four of the above

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

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
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)

912.72

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.

The institution has well-defined procedures for maintaining and utilizing academic and support facilities. The central purchase and stock verification committee ensures that purchase team members follow the right procedures and that stock verification takes place periodically. The classroom, being the most important workstation, is managed with proper systems and procedures as suggested by the stakeholders. The classrooms are well equipped with all modern technology and CCTVs installed on each floor to ensure the safety and security of all students, teachers, and equipment.

Maintenance of equipment by lab technicians and the same verified by the Lab In charge and approved by HODs of the concerned departments. The calibration, repair, and maintenance of sophisticated lab equipment are done by the technicians and frequent AMC follow-ups. Library maintenance by the Librarian and his/her team who ensure the good condition of books, journals, magazines, regular bookbinding, daily newspaper, e-journals, a reference section, ICT, and digital section purchase of new journals and magazines as per stakeholder's inputs.

The physical Director and his team look after the maintenance of the equipment related to sports. The committee organizes various intra and intercollegiate-level tournaments. And ensures the student's participation and motivation. Maintenance of computers (Hardware and Software). Periodic updation of software related to the administrative and overall maintenance of campus infrastructure that includes computers, copier machines, software, CCTV, Fire extinguisher, garden, security, powerhouse, STP, etc.,

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/0%2020-21%20-%204.2%20-%20Link%20File.pdf

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

838

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

640

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

5.1.3 - The following Capacity Development A. All of the above

and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://sece.ac.in/wp-content/uploads/2023/07/5.1.3-20-21.pdf
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

1447

File Description	Documents
Any additional information	No File Uploaded
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	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

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

454

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

19

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

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

13

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

3

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

Leadership is a quality that is earned not with money but by the continuous implementation of hard work and trust in oneself.

Every student has a skill that should be honed. With the help of the Student Leadership Council and under the guidance of his fellow student, every other student's confidence level and skill set can be improved.

A Leader should represent Team spirit and should lead them with an aura of positivity and charisma.

In the leadership council, all the policies, plans, procedural changes, and projects that should be ideated are brainstormed by the members of the Leadership Council.

Members of the leadership council are selected through a rigorous process.

Competitions and other various programs conducted in the fields of both education and academics can enlighten and entertain students, increasing the participation level of students.

Objectives of the student council:

- To help students earn and protect Individual Rights and Responsibilities.
- To Promote and Encourage the involvement of students in organizing Extracurricular activities.
- To Identify and provide a platform for improving the Technical, Communication, and Leadership skills of students.
- To provide real-life experiences in group development and human understanding.
- To provide essential suggestions to the management in Improving the Quality of campus life in the Institution.
- To help create a Holistic Learning Environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/O%2020-21%20-%205.3.2%20-%20b%20-%20WEBSITE.pdf

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

10

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	No File Uploaded

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

SECE Alumni Association was registered in the year 2015. The Association is headed by the president of the Association and supported by the Head of the Institution. It has 7 Executive Committee members in the Association. Yearly once, the General body meeting is conducted and if necessary, the executive members will be replaced based on the decision taken in the meeting. Apart from the Executive Committee, it has faculty alumni coordinators department-wise and student alumni

coordinators class-wise, and an Alumni chapter coordinator. The orientation is given to the final year student about the Association every year. The list of office bearers is updated every year after selecting the alumni student coordinator after the completion of the course. The Alumni website is established in 2016 and it is working well and updated on a daily basis. All alumni records are uploaded and updated by the Alumni whenever there are any changes in their profile.

The 8th Alumni Meet was held on 02/08/2020 in virtual mode and it was well planned by the college Alumni Association. Shri. R. Rajaram, Director presided over the function, Dr. Sudha Mohanram, Principal and office bearers of the SECE Alumni Association were the Guest of Honor.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/Q%2020-21%20-%205.4.1%20-%20New.pdf

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

File Description	Documents
Upload any additional information	No File Uploaded

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

SECE is a self-financed autonomous institute. The statutory body of the institute - Board of Management, Governing Council, Academic Council, and Finance Committee are constituted.

Happy people are the most productive. The institute offers several welfare schemes for faculty and staff. The Office of Student Affairs helps students to resolve academic and personal problems.

Internal Quality Assurance Cell (IQAC) helps to improve the

quality of academics and administration and enhances national visibility through accreditation and ranking.

To become world-class, an institute should be innovative and research-oriented. To facilitate a research ambience and innovative culture, a separate office of academic research was created on campus.

Without serving society, no research is complete. SECE participates in various social welfare schemes targeting the local community.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/0%2020-21%20-%206.1.1%20-%20a%20-%2020-21%20-%20New.pdf

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

SECE has adopted decentralization, participative management, and empowerment in all academic, administrative, finance, research, and outreach activities.

There are different academic departments, the office of student affairs, the academic office, the IQAC office, the Office of academic research, the library, and the administration office headed by Heads of Department (HOD), Deans, and section heads. They are entrusted with the responsibility of maintaining high standards in academics, administration, and research. The periodic meetings organized at various levels ensure smooth communication among administrators, faculty, staff, and students and effective implementation of the decisions.

In academics, the faculty members decide on all matters right from the formulation of curriculum and syllabus to question paper setting and evaluation. To improve the teaching-learning process, feedback is obtained from the students through end-semester feedback.

SECE follows a decentralized approach to financial management. Deans and HODs have been given the power of sanctioning the money from the budget allotted to the respective department.

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	Nil

6.2 - Strategy Development and Deployment

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

The strategic plan has been formulated in tune with the vision of the institute to groom students into globally acknowledged engineering professionals. One of the successfully implemented activities under national visibility is to improve the national rankings.

To be in the NIRF ranking and the best in the region.

Emphasis on publishing in Scopus-indexed journals.

Focusing on Product Development and IP generation.

Enhancing interaction with various industries for student internships and projects, consultancy, and industry-sponsored laboratories.

Establishing Next Gen Centre of Excellence.

Securing projects from Government and Non-Government funding agencies.

Develop a collaborative relationship with leading institutions in India and abroad to accomplish mutual goals.

Ensure higher quality teaching, research, and extension services

Systematize the academic process in curriculum design, content delivery, assessment, and evaluation.

Introduce industry-relevant elective courses based on emerging needs.

Nurture industrial collaboration to disseminate technical knowledge.

Uplift society by addressing local and regional technical needs.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2023/07/6.2.1-b-Strategic-Plan-20-21.pdf
Upload any additional information	No File Uploaded

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 a well-structured internal organization with clearly defined roles, responsibilities, authority, and Key Result Areas (KRAs).

The Governing Council and other statutory bodies like the Academic Council, Board of Studies, and Finance Committee ensure the smooth functioning of the Institution. The Management team comprising the Chairman, Director, and Principal meets the staff twice in an academic year to review academic and administrative functions. Standard service rules and well-established procedures for recruitment, promotion, and grievance redressal are available. The published rules including service rules, policies, and procedures of the institution are available on the college website. A published policy book is also available in the library and department office.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sece.ac.in/wp-content/uploads/2023/07/6.2.2-Org-Chart-20-21.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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	No File Uploaded

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

All the Teaching and Non-Teaching staff are paid based on the AICTE 6th Pay Commission. The following are the welfare measures for teaching and non-teaching staff.

Faculty appraisal is conducted with a structured form that counts on the performance and contribution of faculty in academic and other activities.

During the annual day celebration, awards are provided to the teaching & non-teaching members based on their performance.

For any medical need, a medical room is available on campus.

Free accommodation in the hostel for outstation employees.

ATM inside the campus.

Free Wi-Fi inside the campus

Provision for Provident Fund and Gratuity

50% Concession on transport

Free Lunch

Provision for Casual Leave, Medical Leave, Maternity Leave, Child care Leave, Vacation Leave, and Sabbatical Leave

Providing On duty for attending FDP, workshops, training programs, and National & International Conferences.

The faculty members who are pursuing Ph. D can avail On Duty to carry out any Ph. D related activity

All non-doctoral faculties are encouraged to get enrolled in Ph.D. programs at various Universities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/O%202020-21%20-%206.3.1%20-%20a%20-%20Staff%20welfare%2020-21_compressed.pdf

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

94

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

15

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.)

143

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal Audit is carried out by a team nominated by IQAC office and the reports are obtained prior to the conduct of the external audit which is normally done after the closure of the accounts. During the course of the Internal audit, all procedures are followed to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidence wherever inadequate in respect of payments, compliances of T.D.S and statutory formalities and reconciliation of unit-wise balances with the control accounts and banks reconciliations External audit is done by statutory auditors after June 30 of every year. External statutory audit is conducted by the auditors and the final audit report with audit findings is submitted to the management. The consolidation of the findings of the Institution will be completed and the annual returns are submitted to all concerned authorities of the state and central governments. During the audit, the queries raised are addressed by the finance team and the rectification entries are made.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%206.4.1%20-%20a%20-%202020-2021%20Audited%20Statement.pdf

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)

7.07

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

Financial planning and budgeting are an integral part of annual academic planning at the institute. The institute strives to mobilize resources through various avenues and utilizes the funds optimally for its activities in a systematic manner.

Sri Eswar College of Engineering is a self-financed institution, where the funds are generated through the fees paid by the students. The deficit is managed by taking advance from the parent trust. Additional funding is obtained through Research proposals, consultancy works from governmental & non-governmental agencies and industries. These funds are utilized for research and laboratory development. The other sources of income are alumni contributions and donations to the parent trust. The institute has a well-defined mechanism to monitor the effective and efficient utilization of available financial resources for the development of academic processes and infrastructure development.

The institutional budget is prepared by the Accounts department every year taking into consideration recurring and non-recurring expenditures. Accordingly, all 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, etc. are instructed to submit their budget to the Account office. All the major financial decisions are taken by the principal and finance committee, and after discussions, the same are finalized.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/Q%2020-21%20-%206.4.3%20-%20a%20-%20Circular,%20Budget%20%20Utilisation%202020-21.pdf

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)

B. Tech - Artificial Intelligence and Data Science and B.Tech.- Computer Science and Business Systems are introduced.

Sri Eshwar Makerspace was inaugurated on 19/08/2021 with the required facilities for student Entrepreneurs.

Next Gen COEs in the domain of Artificial Intelligence and Machine Learning, Advanced IoT, Advanced VLSI Design, Data Science, Design Thinking, Advanced Cloud Technologies, Rapid Prototyping, Augmented Reality, and Virtual Reality are established. These are inaugurated in virtual mode on 28/06/2021 in association with reputed Industries.

Quality of Teaching is ensured by reviewing faculty preparedness before the commencement of the course.

Academic Audit is conducted and suggestions are provided for improvement.

Seminars on OBE have been conducted to educate all faculty members on the concepts of OBE and the process of mapping and calculating attainment

An analysis of Outcome attainment is conducted by the departments after the results of End semester examination are published.

Faculty members are encouraged to publish in quality journals

Awareness programmes on OBE, Swayam-NPTEL, etc are conducted to create awareness among students and faculty on the emerging changes in Academia.

NCC Army Wing was inaugurated on 28/12/2020 and functions effectively on the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/0%2020-21%20-%206.5.1%20-%20a%20-%20New.pdf

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

Before the commencement of every semester, teachers prepare lesson plan and other activities to be conducted for the course. A question bank with answer keys is also prepared by the teacher. Also, the Course Outcomes (CO) are mapped to Program Outcomes (POs) and Program Specific Outcomes (PSOs) with appropriate relevance and due justification. These records are reviewed by a subject expert and by IQAC to ensure the preparedness of the faculty to take up the course. Class Committee meetings are conducted after every CIA exam and concerns expressed are rectified at the departmental level. Student performance in every CIA exam is analysed and measures to improve the same are being implemented immediately.

The IQAC institutionalized the process of reviewing the teaching-learning process through students' feedback, outgoing students' survey, and academic audit. Students' feedback is used as an important tool to close the loop for the teaching-learning process. The feedback collected is analyzed and presented in the IQAC meetings. The meetings result in making recommendations for improvement in the learning experience of students.

Academic and Administrative audits are regularly conducted by IQAC to review the academic and administrative processes of the institute. The guidelines for audit are prepared as per NAAC/NAB quality framework and a brainstorming session on the audit report is organized to review and recommend measures for quality enhancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac_query/#lg=1&slide=0

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	Nil
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

To promote gender equity on campus, Sri Eshwar College of Engineering takes various initiatives.

- Equal representation of all genders in various roles within the institution, including leadership positions, academic committees, and research programs.
- Human rights course is taught in the regular curriculum.
- Ethics is part of the curriculum, and students are taught ethical values to be practiced in their roles.
- Faculty are encouraged to take Universal Human Values

(UHV), an initiative by AICTE. AICTE is orienting the academic fraternity towards inculcating Universal Human Values (UHV) in Technical Education.

- The entire campus is covered with CCTV cameras to provide security to inhabitants, particularly women.
- A lady doctor is available on campus for medical care during college hours, especially for female students, faculty, and staff.
- Common room for female students.
- Gender Sensitization programs for all students, faculty, and staff members.
- Women Cell is available on campus to create a gender-sensitive and supportive educational environment where women can thrive academically and personally, free from discrimination and harassment.
- Women Cell provides counseling and support, addressing gender-based issues, creating awareness, and promoting women’s empowerment.
- A Separate sports facility is available for girls hostel.
- A dedicated parlour is available for female students, faculty and staff members.
- Equal opportunities are given to girls and boys in taking up the role of class representative. In each class, there are both boys and girls class representatives.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/0%2020-21%20-%207.1.1%20-%20New.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy plant Wheeling to the Grid power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of

degradable and non-degradable waste (within a maximum of 200 words)

Solid Waste Management:

All waste materials, like wrappers, glass, metals, paper, plastics, etc., are collected within the campus, used papers, and workshop scrap and given to external recycling agencies. Biodegradable and non-biodegradable wastes are segregated and disposed of by external agencies. Leaf litter is allowed to decompose systematically over a while and used as manure for the gardens within the institute.

Liquid Waste Management:

The liquid wastes generated on the campus include Sewage, Laboratory, Laundry, hostel, and canteen effluent waste. These wastes are treated through Sewage Treatment Plant (STP) on campus. The sludge settled in the STP is removed, dried on drying beds, and used as garden manure.

Biomedical waste Management

Sanitary Napkins from the girl's hostel are disposed of in an environmentally friendly way.

E-Waste Management:

SECE has entered into an MoU with "GREEN INDIA RECYCLERS", which buys our damaged computers and other non-reparable e-waste and issues a recycling certificate. The equipment which cannot be refurbished for re-use is dismantled and remanufactured into raw materials (i.e. metals, plastics, glass) to be marketed as recyclable. In the previous year, 206 kgs of e-waste were collected and sent to Green India recyclers.

Hazardous chemicals and radioactive waste management

The laboratory waste water does not contain hazardous chemicals as all the acids are mixed with the base to form the neutral solution and released.

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	No File Uploaded

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

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:

A. Any 4 or All of the above

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

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

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

7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

- 1. Green audit**
- 2. Energy audit**
- 3.Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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

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

Sri Eshwar College of Engineering is situated on the outskirts of Coimbatore city and admits students from various strata of society and from different parts of the Country. Most of the students come from rural backgrounds and are first-generation ones to take up college education. SECE has been

- Students of different regions study together without any difference in caste or religion.
- English, being the campus language, helps students from various states to adapt quickly.
- The food preferences of students from other states are also taken into consideration and provided in the hostel mess and the canteen.
- The management provides a huge number of scholarships every year to attract students from other states, poor economic backgrounds, and students with sports achievements.
- To develop a multicultural and multilingual environment, students from different states are put together while doing projects and other similar activities.
- Societal consciousness is inculcated among the students by adopting 5 nearby villages under the Unna Bharat Abhiyan Scheme and providing a host of services, leveraging technology.
- Cultural events are conducted to create a bonding among students from various states and also to provide an opportunity to exhibit their talents.
- German and Japanese languages are offered to all students under the autonomous stream since 2019.

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:

The institution has taken up the following initiatives to sensitize the students on their constitutional obligations.

The mandatory course U19MC202 Indian Constitution and Tradition is included in the course curriculum for all the undergraduate engineering students. This course discusses the following

- HISTORY OF INDIAN CONSTITUTION
- FUNDAMENTAL RIGHTS AND DUTIES
- FEDERAL STRUCTURE AND DISTRIBUTION OF POWERS
- CONSTITUTIONAL AMENDMENTS AND EMERGENCY PROVISIONS
- RIGHT TO EQUALITY, FREEDOM, AND PERSONAL LIBERTY

<https://sece.ac.in/wp-content/uploads/2021/12/B.E.-MECH-R2019-Curriculum-Syllabus-dated-05-08-2021.pdf>

To foster patriotism among students, a huge national flag of dimension 21 feet width x 14 feet height is hoisted at the top of the 50 feet tall pillar every day in the morning and brought down in the evening. The college celebrates Independence Day and Republic Day in a grand manner with NCC Parade, flag hosting, events, and competitions for kids of employees, focusing on patriotism. During these events, the speakers highlight our freedom struggle and the importance of upholding the values of our constitution.

The students and staff members visit the schools in the 5 villages adopted by our college under the Unnat Bharat Abhiyan Scheme, host national flag, conduct events for children and distribute sweets. Further the staff and students take part in the Gram Sabha meetings to understand the requirements of the villages and provide technical solutions for the identified problems.

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	No File Uploaded

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

The Institution celebrates the following events every year:

1. Annual Day
2. Republic Day
3. Independence Day
4. Womens Day

5. Engineers Day

6. Teachers Day

In this year, some of the events are celebrated adhered to Covid 19 protocols.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice - 1 Training & Placements Title of the Practice -
The training & placement department creates the best career opportunity for students, by nurturing them with required training and deserving job placement.

Best Practice - 2 ED-Matrix - Learning Management System - A product of Sri Eshwar ED-Matrix - LMS -To provide a platform where the brilliant ideas of students could be nurtured and prepare students in a practice-oriented way with fully automated Learning Management systems which enables collaborative, Practice Oriented and discussion-based learning environment

File Description	Documents
Best practices in the Institutional website	https://sece.ac.in/wp-content/uploads/2022/05/Best-Practices-2020-21.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Electrical demand of a country is the index of its growth. In INDIA demand for electricity increasing every day. This provides opportunity for various nonconventional energy generations. Maintaining the quality of power is equally responsible as generation. Energy audits and Power Quality audits are the prime parameters to keep the quality of Power within the specified standards.

Sri Eshwar Energy Division (SEED) is an exclusive division whose prime focus is in the field of power quality audit, energy audit and also to provide consultancy in electrical power related areas. SEED provides solutions and guidance for energy conservation, energy management and mitigation of harmonics. The highly qualified, experienced and dedicated team of SEED headed by. Dr. S.R.Sivarasu, BEE certified Energy Manager (EA-27299/2018) commits itself in the field of applied research in power quality issues and comes up with real-time solutions for energy related problems in industries as well as academic institutions. He is a also a Lead Auditor for ISO 4001:2015. Through SEED, awareness programmes were conducted for Electrical Safety, Energy Conservation, Energy Auditing, Power Quality auditing and Thermographic auditing. More than 40 Energy Audits were conducted which includes Coir Industries, Textile Industries, Plastic Industries, International Airports, Southern Railways, Universities and Educational Institutions of various levels. SEED conducts audit and also commits to provide solutions to improve the power quality issues.

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.

Sri Eshwar College of Engineering (SECE) provides a holistic approach to quality-based education and outcome-based learning for all students. The institution strives with a single-minded focus to impart quality education and enables the students to be industry ready and fulfill their career goals. Thus, the student's knowledge and skills are regularly monitored to identify their requirements and are included in the curriculum to bridge the gap between education and employability. The curriculum and syllabi are framed based on the guidelines of AICTE, UGC, Anna University, and other stakeholders.

Developing and implementing curricula relevant to local, national, regional, and global developmental needs is crucial for educational institutions. This ensures that the education provided aligns with the demands of society and prepares students to address real-world challenges effectively. To achieve this, our institution uses frameworks like Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). SECE sticks to Outcome Based Education (OBE) for the teaching-learning process from 2015 onwards for all its programs.

By aligning these outcomes (POs, PSOs, and COs) with local, national, regional, and global developmental needs, we can ensure that our curricula remain relevant and responsive to the changing demands of society. This alignment helps graduates to be better equipped to contribute meaningfully to their communities and address broader global challenges. Regular reviews and updates of the curricula based on feedback from employers, industry trends, and advancements in knowledge also play a crucial role in maintaining the relevance of the educational programs.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%201.1.1%20-%20b.pdf

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

11

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

437

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	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

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

58

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

12

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

1.3 - Curriculum Enrichment

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

In the autonomous R2019 and Anna University regulations, the curricula of all programs include courses addressing cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values, etc through the below courses:

Intellectual Property Rights

Professional Ethics in Engineering

Professional Communication

Research Methodology and IPR

English for Research Paper Writing

Human Rights

Indian Constitution and Tradition

Environmental Science and Engineering

Disaster Management

Air Pollution and Control Engineering

Hospital Waste Management

Energy Conservation and Management.

Climate Change and its Impact

Environmental and Social Impact Assessment

Waste Water Treatment

Environmental Science

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

15

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	No File Uploaded

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

1476

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

1191

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://sece.ac.in/wp-content/uploads/2023/05/1.4.1-a.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://sece.ac.in/wp-content/uploads/2023/07/1.4.2-a-2020-2021.pdf
Any additional information	No File Uploaded

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

606

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)

557

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.

Slow Learners

Slow learners are adopted by tutors and constantly guided to improve their performance to move them out of the risk of dropping out

Slow learners are given extra coaching and care within the working hours of the college.

Periodic counseling and motivational sessions for both the students and parents to support and motivate them.

Advanced Learners

Advanced learners have the freedom to register and undergo fast-track courses so that they can complete their PE and OE Courses in advance.

Credit transfer is permitted if they successfully complete online courses in SWAYAM and NPTEL

Students Abroad Transfer Programs are organized along with credit transfer to have a holistic development

Advanced Learners are identified by continuous monitoring of their academic performance and participation in co-curricular activities. The following additional supports are provided to enhance their performance and to achieve top ranks in the End Semester Autonomous Examinations

Students who maintain a CGPA of 7.5 and above without any standing arrears at the end of the 4th semester are identified as Advanced Learners.

Facilitation is provided for taking up competitive exams such as GATE, CAT, GRE, TOEFL, etc.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2089	179

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

- Experiential learning comprises learning activities, both inside and outside the classroom, that are designed to actively engage students to learn by doing and then reflecting on the process and experience and actively creating their own understanding.
- In-plant Training and Internships are mandated during their vacation to have hands-on experience
- The concept of Lab to Class is provided for better understanding and also credentials to the online platforms are provided to learn beyond the classroom
- Mini-project are introduced which makes the learners have experiential learning in their field of study

Participative Learning

- To make the classes more interesting and effective, Quiz Programs, Video Clippings, etc. are used through ICT-enabled classrooms.
- In every class, 10 minutes of time is allocated for the students to do a sum up of the topic learned. This is done through recap sessions by the students.
- Various lectures by industry personnel are organized for the students to interact with and know about current technological trends.
- In every class, the faculty asks a logical question for the students to answer.

Problem-Solving Methodologies

- Courses on Design Thinking are introduced, which enables the students to approach the given problem in a scientific method
- Case Studies are discussed to approach solutions for the real-time problems.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

SECE has been constantly striving to move from faculty-centric learning to student-centric learning.

- The institution has always been placing the students at the centre of the teaching-learning process.
- The Vision and the Mission of the institution are to provide holistic education to the students. Keeping the students' learning at the centre of everything, the institution understands that the teachers have to be reoriented from time to time.
- The institution encourages the staff to undergo training on ICT-enabled teaching, learning, and organizing such seminars and workshops and thereby renders the role of a facilitator.
- Training sessions for placement, seminars, and workshops for knowledge enrichment in various fields are conducted using ICT.
- Well-equipped computer Labs and LCD projectors are available to the faculty members for organizing seminars, conducting workshops, and computer-aided training.
- Students are encouraged to register for online courses offered by MIT EDX, Khan Academy, Coursera, and IITs
- During the lockdown, the online learning management tool "ED-MATRIX" was created for handling the classes through which discussions, quizzes, assessments, and programming experiments were conducted.
- Students are encouraged to view webinars of MATLAB, online ACM webcasts, and NPTEL. Courseware is developed by faculty members and uploaded in ERP for access by students in a secure manner.

The courseware contains

- Lesson plan
- Syllabus

- E-books
- Lecture Notes
- Previous year University question papers
- Question bank with keys
- Objective/ Small questions with answers
- Link to Video materials
- References

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://sece.ac.in/naac/O%202020-21%20-%202.3.2%20%20-%20b.pdf
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

107

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

Being affiliated with Anna University Chennai, the Institution's calendar is prepared taking various inputs from the University's Academic schedule. Autonomous End semester examinations are conducted as per guidelines specified by the University. In alignment with the institution calendar department's academic calendar is also prepared which includes specific activities of the department like industrial visits, Guest lectures, Students seminars, Faculty seminars, Internal auditing, and all academic-related activities

The academic calendar is the total action plan for various academic activities of the institution which comprises the following:

- Dates for commencement of classes
- Class Committee Meeting Dates
- Online Students Feedback Dates
- Schedule for weekly tests, internal tests, and model exams
- Details of Holidays
- International Days to be celebrated

Internal academic evaluation is done through Continuous Internal Assessment Tests (CIA). Three CIAs are conducted in the semester. All the faculty members and students are expected to adhere to the Institution's calendar and prepare their lecture and assessment schedule accordingly. In view of easy accessibility, the academic calendar is uploaded to the college ERP platform so that students and faculty can plan their activities. In addition to the academic, industrial visits and National and International events are also highlighted. Independence Day, Republic Day, Women's Day, Engineers' Day, and Teachers' Day are also mentioned in the schedule. All the events are celebrated to provide the real meaning and value of that function.

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

179

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

32

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)

1031

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

62

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

65

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

- ERP tool is integrated into the institution system to capture all the details pertaining to student's admission, attendance, Teaching Learning Process (TLP), and examination process
- CIA marks are entered in the ERP tool which gives the report with all necessary details like class topper, average mark, maximum mark, pass percentage, etc.,
- Collection of Fees, Hall Ticket generation, Result Process, Result Publication, and applying for re-valuation if needed are all done by an ICT-enabled ERP tool.
- An exclusive dashboard for the COE process is available and all the students are provided with individual login credentials to view their attendance, examination result, etc.
- This tool also enables parents to view their ward's progress regularly
- Apart from the CIA test, marks obtained by students through other assessment tools like Assignments, Quizzes, Presentations, Tutorials, etc., are also captured in the ICT-enabled ERP tool.
- Internal Marks of students are auto-generated by taking into account all the assessment processes used in the TLP.
- Quizzes are conducted in online mode. Clicker based tool is used to conduct quizzes during the class hour which gives instantaneous results and progress of the students

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/Q%2020-21%20-%202.5.3%20%20-%20b.pdf

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 Outcomes (POs) represent the knowledge, skills, and attitudes the students should have at the end of a program.

Program Specific Outcomes (PSOs) are statements that describe what the graduates of a specific subject or program should be able to do. PSOs are program specific and are written by the department offering the program.

Course Outcomes (COs) are the concepts and skills that students are expected to know and demonstrate upon completion of a particular course.

COs are drafted during the framing of the syllabus of each course and are approved by PAC and BoS.

On the website, under the Academic tab, Curriculum, and Syllabi are displayed for anytime reference.

Every faculty shares the COs during the first lecture of the course and are made available on the website.

The POs and PSOs of all programs are published on the website and strategic locations of the institute and in the syllabus book of programs.

Thus, the institution has in place well-defined POs and PSOs for all programs and COs for all the courses. These details are published on the institution's website and are integrated with the teaching-learning and evaluation system of the institution.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

The process of CO Attainment and PO Attainment is described in the attachment below.

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

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

518

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	https://sece.ac.in/wp-content/uploads/2023/07/2.6.3.1-ANNUAL-REPORT-2020-2021-WITH-NOTE.pdf

2.7 - Student Satisfaction Survey

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

as a weblink

<https://sece.ac.in/wp-content/uploads/2022/05/2.7.1-Overall-Institution-Performance-2020-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Sri Eshwar College of Engineering envisions becoming a premier research institution by creating a research culture and nurturing research. To achieve our vision, Sri Eshwar's Centre for Research (CFR) was established. This Centre is headed by Dean-Research & Innovations, supported by Research Advisory Board, Institutional Research Committee, Research ethics committee, Institutional Research Coordinator, and Department Research Heads, who will carry out the research-related responsibilities.

To enhance the quality of research activities, with input from researchers of high experience and reputation, Sri Eshwar has constituted the Research Advisory Board. While the Research Advisory Board will provide input for enhancing the research policies in line with global standards, the Institutional Research Committee will focus on defining the processes and overseeing the effective implementation of these processes in various research activities of the institution.

The availability of required resources is the key to the success of research activities. The management accords extreme importance to this aspect and provides resources for research activities. The institution propagates and practices a high level of integrity in all its research activities. The management firmly believes that the volume and quality of research activities can be enhanced only by constantly motivating the researchers with recognition in the form of awards and incentives.

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	https://sece.ac.in/research-consultancy-policy/
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

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

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

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

13.64

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

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/O%2020-21%20-%203.2.2%20-%20a%20-%202020-21.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.serbonline.in/SERB/HomePage
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

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

Sri Eshwar College of Engineering has a well-established cell for Research and Innovations (R&I) headed by a Dean of Research & Innovation who has rich experience in industry as well as academia. Also, a self-funded incubation center "Sri Eshwar Ignite Accelerator" is established on the campus with a carpet area of around 2400 sq. ft. to foster the aspirations of student entrepreneurs and innovation among the teaching fraternity and students. Common facilities like tools for rapid prototyping, maker space, project discussion rooms, etc. are provided in the above incubation center. The faculty members are trained by the Institution Innovation Council (IIC) under the Ministry of Education in New Delhi and certified as Level 1 and Level 2 Innovation Ambassadors. Several activities on innovation and entrepreneurship are conducted throughout the year. Frequently, competitions relevant to Innovation like Innovative Project Expo, Ideathon, Boot Camp, etc., are organized to kindle the creativity of the students and the faculty members. Technical and financial assistance is provided to student entrepreneurs

through industry mentors and through government bodies like MSME, IEDC, etc. The sole objective of the Incubation Center is to facilitate students/entrepreneurs to convert their innovative ideas into Technological Innovations.

The Centers of Excellence (CoE) are created with industry collaborations like Cadence, Amazon, BahwanCybertek, Funds India, VRHub, etc., and academic collaborations like NIT, Trichy, IIITDM, Kanchipuram on various thrust areas specified by AICTE.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/10/3.3.1-b-1.pdf

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

25

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

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	No File Uploaded

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

3.4.2.1 - Number of PhD students registered during the year

00

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

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

0.19

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

0.324

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%203.4.4%20-%20b.pdf

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

624

File Description	Documents
Any additional information	No File Uploaded
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

12

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

2.61

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	No File Uploaded

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

1.25

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

3.6 - Extension Activities

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

SECE has adopted five villages in surrounding areas to implement the extension activities under Unnat Bharat Abhiyan. Students are exposed to cross-cutting themes such as care of the old aged, sick, disabled, underprivileged people, and youth through rallies, medical camps, street plays, skill development, webinars, environmental projects, and other welfare activities.

NSS, NCC, YRC, and RRC are among the prominent cells in the

college for extension activities that encourage students to participate in a variety of social welfare activities. Aside from that, our institute maintains a SESSWA social welfare committee. NSS students clean the surrounding adopted villages on a regular basis and plant tree saplings. Our institution has installed 5 smart classrooms in government schools of adopted villages and skill development activities are carried out in it. The following activities are organized to engage the teaching fraternity and students with the neighborhood community like, Swachh Bharat initiatives, Say 'NO' to Plastic campaign, Tree plantation, Health camps, Blood donation camps, etc.

Special initiatives were carried out to mitigate the impact of COVID in the surrounding community. In collaboration with Unnat Bharath Abhiyan (UBA), the institution has donated medicine kits, beds, and cots to the community of Vadasithur. The institution has organized five COVID vaccination camps at our premises and face masks were handed out to the general public and encouraged them to follow the COVID protocol. People were given information on SOPs, mask use, and other topics by posting posters and conducting rallies in public places.

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

1

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)

11

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

580

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

23

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

17

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution facilitates sufficient access to physical facilities and infrastructure in accordance with its Vision "To be recognized as a premier institute, grooming our students to become globally recognized engineers". A major feature of the institution is that its management has extensive experience in teaching and learning. The development of curriculum frameworks and transaction mechanisms ensures that students acquire skills. Institute provides students with a range of imbibed educational values, including collaborative, question-centered, interactive, and exploratory activities for deeper and more experiential learning, such as cooperative and student-centered learning. Smart classrooms, Centre of Excellence, Industry Powered Laboratory, Extended IT Development Centre, NPTEL Local Chapter, Ignite Startup Accelerator, Sri Eshwar Makerspace, computer labs, a central library, a department library, and meeting rooms are all equipped with ICT & Wi-Fi.

Information and network services are readily accessible at SECE. All the academic blocks, laboratories, and hostels are connected over high-speed internet connectivity. All computers are connected to the internet over high-speed cables facilitating the availability of computers to students.

The existing infrastructure is upgraded and/or added as a result of suggestions from the BOS, Academic council, governing council, heads of department, teaching staff, non-

teaching staff, and other stakeholders.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/12/4.1.1_compressed.pdf

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

The institution is committed to create a balanced atmosphere of academic part and Games in developing skills such as self-discipline, teamwork, responsibility, citizenship, and self-initiative. Sports is an integral pedagogical approach to the students inside the campus for the overall personality development by organizing "Techno-Cultural Sports Event"

The Open-Air Theatre was created for conducting various cultural programs and main celebrations.

The department of Physical Education in the college is well equipped with various facilities and a faculty designated as Sports Coordinator is assigned with the responsibility of conducting various tournaments and motivating the students to participate in inter-university and intra-university and other tournaments. In addition, the coordinator maintains sports accessories and supports accessories for indoor and outdoor games.

The indoor game facilities such as Chess, Carom, and Table Tennis, and outdoor games such as Cricket, Volleyball, Basketball, Football, kho-kho, Kabaddi, Handball court, Shuttle court, High jump pit, long jump pit, Pole vault pit. The institution is more focused on the students developing their physical strength and fitness. A classy gymnasium is also facilitated, and various State Level tournaments and central zone tournaments will be organized. The students participated in the various competitions organized by other colleges and won many prizes and were selected as university-level teams in basketball, volleyball, etc.,

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2022/12/4.1.2.pdf

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

55

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)

10.99935

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

4.2 - Library as a Learning Resource

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

Name of the ILMS software - IMPRES ERP

Nature of automation (fully or partially) - Fully

Version - 5.6

Year of Automation - 2008

OPAC (Online Public Access Catalogue)

- Web-based OPAC (Online Public Access Catalogue) facility is made available through ERP Library Management Software to know the bibliographical details about the collection
- A separate computer is made available in the Central Library for the web-based OPAC facility. Users from anywhere can search the library collection. Search by giving Title, Author, and Department is provided through OPAC.

Electronic Resource Management package for e-journals

- E-resource packages of DELNET CONSORTIUM are subscribed for the benefit of students and faculty.
- These e-resources can be accessed from anywhere on the SECE campus and link to all e-resources available.
- A link to scholarly open-access journals/databases is also given.
- Federated searching tools to search articles in multiple databases
- Free search engines on the Internet such as Google Scholar, Google, Yahoo, Ask, Bing are used for searching articles in multiple databases.
- The library has a subscription to the IEEE Xplore where the federated search facility is available.
- In-house/remote access to e-publications
- Institutional Repository
- Content management system for e-learning
- Participation in Resource sharing networks/consortia

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://103.5.112.63/impreserp/OPAC/

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)

4.4607

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

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

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

92

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

4.3 - IT Infrastructure

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

The Institution has established a well-defined and documented IT Policy that covers various aspects including Wi-Fi, Cyber Security, IT Asset Management, Network Usage, Data Backup, Installation of IT Hardware and Software, Web Hosting, and E-

waste Management.

Budget Allocation for updating IT infrastructure -Considering the various developments in academics viz., additional intake of students, addition of new courses, and replacement of existing old systems, the IT department creates a budget every year and gets the same approval.

Wi-Fi - The institution currently has 200 Mbps of Network bandwidth from multiple service providers to avoid any single-point failure in network bandwidth provision.

Cyber Security - Sophosfirewall has been installed to prevent any intrusion into the IT environment of the institution and a potential IT breach. The institution has also invested in an Anti-virus tool viz., Secrite End Point Security software to prevent any potential virus attack that may cause disruption to the IT services of the institution. Awareness programmes on IT security are conducted for the stakeholders to sensitize them on the importance of the protection of their IT assets and data. The institution has also installed tools to monitor any unusual behaviour of the IT systems to take preventive actions.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2089	1046

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. 250 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
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File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
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)

912.72

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.

The institution has well-defined procedures for maintaining and utilizing academic and support facilities. The central purchase and stock verification committee ensures that purchase team members follow the right procedures and that stock verification takes place periodically. The classroom,

being the most important workstation, is managed with proper systems and procedures as suggested by the stakeholders. The classrooms are well equipped with all modern technology and CCTVs installed on each floor to ensure the safety and security of all students, teachers, and equipment.

Maintenance of equipment by lab technicians and the same verified by the Lab In charge and approved by HODs of the concerned departments. The calibration, repair, and maintenance of sophisticated lab equipment are done by the technicians and frequent AMC follow-ups. Library maintenance by the Librarian and his/her team who ensure the good condition of books, journals, magazines, regular bookbinding, daily newspaper, e-journals, a reference section, ICT, and digital section purchase of new journals and magazines as per stakeholder's inputs.

The physical Director and his team look after the maintenance of the equipment related to sports. The committee organizes various intra and intercollegiate-level tournaments. And ensures the student's participation and motivation.

Maintenance of computers (Hardware and Software). Periodic updation of software related to the administrative and overall maintenance of campus infrastructure that includes computers, copier machines, software, CCTV, Fire extinguisher, garden, security, powerhouse, STP, etc.,

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%204.4.2%20-%20Link%20File.pdf

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

838

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

640

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://sece.ac.in/wp-content/uploads/2023/07/5.1.3-20-21.pdf
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

1447

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

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

454

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

19	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
13	
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	
3	
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	
<p>Leadership is a quality that is earned not with money but by the continuous implementation of hard work and trust in oneself.</p> <p>Every student has a skill that should be honed. With the help</p>	

of the Student Leadership Council and under the guidance of his fellow student, every other student's confidence level and skill set can be improved.

A Leader should represent Team spirit and should lead them with an aura of positivity and charisma.

In the leadership council, all the policies, plans, procedural changes, and projects that should be ideated are brainstormed by the members of the Leadership Council.

Members of the leadership council are selected through a rigorous process.

Competitions and other various programs conducted in the fields of both education and academics can enlighten and entertain students, increasing the participation level of students.

Objectives of the student council:

- To help students earn and protect Individual Rights and Responsibilities.
- To Promote and Encourage the involvement of students in organizing Extracurricular activities.
- To Identify and provide a platform for improving the Technical, Communication, and Leadership skills of students.
- To provide real-life experiences in group development and human understanding.
- To provide essential suggestions to the management in Improving the Quality of campus life in the Institution.
- To help create a Holistic Learning Environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%205.3.2%20-%20b%20-%20WEBSITE.pdf

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

10

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	No File Uploaded

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

SECE Alumni Association was registered in the year 2015. The Association is headed by the president of the Association and supported by the Head of the Institution. It has 7 Executive Committee members in the Association. Yearly once, the General body meeting is conducted and if necessary, the executive members will be replaced based on the decision taken in the meeting. Apart from the Executive Committee, it has faculty alumni coordinators department-wise and student alumni coordinators class-wise, and an Alumni chapter coordinator. The orientation is given to the final year student about the Association every year. The list of office bearers is updated every year after selecting the alumni student coordinator after the completion of the course. The Alumni website is established in 2016 and it is working well and updated on a daily basis. All alumni records are uploaded and updated by the Alumni whenever there are any changes in their profile.

The 8th Alumni Meet was held on 02/08/2020 in virtual mode and it was well planned by the college Alumni Association. Shri. R. Rajaram, Director presided over the function, Dr. Sudha Mohanram, Principal and office bearers of the SECE Alumni Association were the Guest of Honor.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/0%2020-21%20-%205.4.1%20-%20New.pdf

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs
File Description	Documents
Upload any additional information	No File Uploaded
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	
<p>SECE is a self-financed autonomous institute. The statutory body of the institute - Board of Management, Governing Council, Academic Council, and Finance Committee are constituted.</p> <p>Happy people are the most productive. The institute offers several welfare schemes for faculty and staff. The Office of Student Affairs helps students to resolve academic and personal problems.</p> <p>Internal Quality Assurance Cell (IQAC) helps to improve the quality of academics and administration and enhances national visibility through accreditation and ranking.</p> <p>To become world-class, an institute should be innovative and research-oriented. To facilitate a research ambience and innovative culture, a separate office of academic research was created on campus.</p> <p>Without serving society, no research is complete. SECE participates in various social welfare schemes targeting the local community.</p>	
File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/0%2020-21%20-%2006.1.1%20-%20a%20-%202020-21%20-%20New.pdf

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

SECE has adopted decentralization, participative management, and empowerment in all academic, administrative, finance, research, and outreach activities.

There are different academic departments, the office of student affairs, the academic office, the IQAC office, the Office of academic research, the library, and the administration office headed by Heads of Department (HOD), Deans, and section heads. They are entrusted with the responsibility of maintaining high standards in academics, administration, and research. The periodic meetings organized at various levels ensure smooth communication among administrators, faculty, staff, and students and effective implementation of the decisions.

In academics, the faculty members decide on all matters right from the formulation of curriculum and syllabus to question paper setting and evaluation. To improve the teaching-learning process, feedback is obtained from the students through end-semester feedback.

SECE follows a decentralized approach to financial management. Deans and HODs have been given the power of sanctioning the money from the budget allotted to the respective department.

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	Nil

6.2 - Strategy Development and Deployment

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

The strategic plan has been formulated in tune with the vision of the institute to groom students into globally

acknowledged engineering professionals. One of the successfully implemented activities under national visibility is to improve the national rankings.

To be in the NIRF ranking and the best in the region.

Emphasis on publishing in Scopus-indexed journals.

Focusing on Product Development and IP generation.

Enhancing interaction with various industries for student internships and projects, consultancy, and industry-sponsored laboratories.

Establishing Next Gen Centre of Excellence.

Securing projects from Government and Non-Government funding agencies.

Develop a collaborative relationship with leading institutions in India and abroad to accomplish mutual goals.

Ensure higher quality teaching, research, and extension services

Systematize the academic process in curriculum design, content delivery, assessment, and evaluation.

Introduce industry-relevant elective courses based on emerging needs.

Nurture industrial collaboration to disseminate technical knowledge.

Uplift society by addressing local and regional technical needs.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sece.ac.in/wp-content/uploads/2023/07/6.2.1-b-Strategic-Plan-20-21.pdf
Upload any additional information	No File Uploaded

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 a well-structured internal organization with clearly defined roles, responsibilities, authority, and Key Result Areas (KRAs).

The Governing Council and other statutory bodies like the Academic Council, Board of Studies, and Finance Committee ensure the smooth functioning of the Institution. The Management team comprising the Chairman, Director, and Principal meets the staff twice in an academic year to review academic and administrative functions. Standard service rules and well-established procedures for recruitment, promotion, and grievance redressal are available. The published rules including service rules, policies, and procedures of the institution are available on the college website. A published policy book is also available in the library and department office.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sece.ac.in/wp-content/uploads/2023/07/6.2.2-Org-Chart-20-21.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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

All the Teaching and Non-Teaching staff are paid based on the AICTE 6th Pay Commission. The following are the welfare measures for teaching and non-teaching staff.

Faculty appraisal is conducted with a structured form that counts on the performance and contribution of faculty in academic and other activities.

During the annual day celebration, awards are provided to the teaching & non-teaching members based on their performance.

For any medical need, a medical room is available on campus.

Free accommodation in the hostel for outstation employees.

ATM inside the campus.

Free Wi-Fi inside the campus

Provision for Provident Fund and Gratuity

50% Concession on transport

Free Lunch

Provision for Casual Leave, Medical Leave, Maternity Leave, Child care Leave, Vacation Leave, and Sabbatical Leave

Providing On duty for attending FDP, workshops, training

programs, and National & International Conferences.

The faculty members who are pursuing Ph. D can avail On Duty to carry out any Ph. D related activity

All non-doctoral faculties are encouraged to get enrolled in Ph.D. programs at various Universities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%202020-21%20-%2006.3.1%20-%20a%20-%20Staff%20welfare%2020-21_compressed.pdf

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

94

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

15

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.)

143

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal Audit is carried out by a team nominated by IQAC office and the reports are obtained prior to the conduct of the external audit which is normally done after the closure of the accounts. During the course of the Internal audit, all procedures are followed to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidence wherever inadequate in respect of payments, compliances of T.D.S and statutory formalities and reconciliation of unit-wise balances with the control accounts and banks reconciliations External audit is done by statutory auditors after June 30 of every year. External statutory audit is conducted by the auditors and the final audit report with audit findings is submitted to the management. The consolidation of the findings of the Institution will be completed and the annual returns are submitted to all concerned authorities of the state and central governments. During the audit, the queries raised are addressed by the finance team and the rectification entries are made.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/Q%2020-21%20-%2006.4.1%20-%20a%20-%202020-2021%20Audited%20Statement.pdf

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)

7.07

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

Financial planning and budgeting are an integral part of annual academic planning at the institute. The institute strives to mobilize resources through various avenues and utilizes the funds optimally for its activities in a systematic manner.

Sri Eswar College of Engineering is a self-financed institution, where the funds are generated through the fees paid by the students. The deficit is managed by taking advance from the parent trust. Additional funding is obtained through Research proposals, consultancy works from governmental & non-governmental agencies and industries. These funds are utilized for research and laboratory development. The other sources of income are alumni contributions and donations to the parent trust. The institute has a well-defined mechanism to monitor the effective and efficient utilization of available financial resources for the development of academic processes and

infrastructure development.

The institutional budget is prepared by the Accounts department every year taking into consideration recurring and non-recurring expenditures. Accordingly, all 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, etc. are instructed to submit their budget to the Account office. All the major financial decisions are taken by the principal and finance committee, and after discussions, the same are finalized.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/O%2020-21%20-%206.4.3%20-%20a%20-%20Circular,%20Budget%20_%20Utilisation%202020-21.pdf

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)

B. Tech - Artificial Intelligence and Data Science and B.Tech.- Computer Science and Business Systems are introduced.

Sri Eshwar Makerspace was inaugurated on 19/08/2021 with the required facilities for student Entrepreneurs.

Next Gen COEs in the domain of Artificial Intelligence and Machine Learning, Advanced IoT, Advanced VLSI Design, Data Science, Design Thinking, Advanced Cloud Technologies, Rapid Prototyping, Augmented Reality, and Virtual Reality are established. These are inaugurated in virtual mode on 28/06/2021 in association with reputed Industries.

Quality of Teaching is ensured by reviewing faculty preparedness before the commencement of the course.

Academic Audit is conducted and suggestions are provided for improvement.

Seminars on OBE have been conducted to educate all faculty members on the concepts of OBE and the process of mapping and calculating attainment

An analysis of Outcome attainment is conducted by the departments after the results of End semester examination are published.

Faculty members are encouraged to publish in quality journals

Awareness programmes on OBE, Swayam-NPTEL, etc are conducted to create awareness among students and faculty on the emerging changes in Academia.

NCC Army Wing was inaugurated on 28/12/2020 and functions effectively on the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac/O%2020-21%20-%206.5.1%20-%20a%20-%20New.pdf

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

Before the commencement of every semester, teachers prepare lesson plan and other activities to be conducted for the course. A question bank with answer keys is also prepared by the teacher. Also, the Course Outcomes (CO) are mapped to Program Outcomes (POs) and Program Specific Outcomes (PSOs) with appropriate relevance and due justification. These records are reviewed by a subject expert and by IQAC to ensure the preparedness of the faculty to take up the course. Class Committee meetings are conducted after every CIA exam and concerns expressed are rectified at the departmental level. Student performance in every CIA exam is analysed and measures to improve the same are being implemented immediately.

The IQAC institutionalized the process of reviewing the

teaching-learning process through students' feedback, outgoing students' survey, and academic audit. Students' feedback is used as an important tool to close the loop for the teaching-learning process. The feedback collected is analyzed and presented in the IQAC meetings. The meetings result in making recommendations for improvement in the learning experience of students.

Academic and Administrative audits are regularly conducted by IQAC to review the academic and administrative processes of the institute. The guidelines for audit are prepared as per NAAC/NAB quality framework and a brainstorming session on the audit report is organized to review and recommend measures for quality enhancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sece.ac.in/naac_query/#lg=1&slide=0

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	Nil
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

To promote gender equity on campus, Sri Eshwar College of Engineering takes various initiatives.

- Equal representation of all genders in various roles within the institution, including leadership positions, academic committees, and research programs.
- Human rights course is taught in the regular curriculum.
- Ethics is part of the curriculum, and students are taught ethical values to be practiced in their roles.
- Faculty are encouraged to take Universal Human Values (UHV), an initiative by AICTE. AICTE is orienting the academic fraternity towards inculcating Universal Human Values (UHV) in Technical Education.
- The entire campus is covered with CCTV cameras to provide security to inhabitants, particularly women.
- A lady doctor is available on campus for medical care during college hours, especially for female students, faculty, and staff.
- Common room for female students.
- Gender Sensitization programs for all students, faculty, and staff members.
- Women Cell is available on campus to create a gender-sensitive and supportive educational environment where women can thrive academically and personally, free from discrimination and harassment.
- Women Cell provides counseling and support, addressing gender-based issues, creating awareness, and promoting women's empowerment.
- A Separate sports facility is available for girls hostel.
- A dedicated parlour is available for female students, faculty and staff members.
- Equal opportunities are given to girls and boys in taking up the role of class representative. In each class, there are both boys and girls class representatives.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sece.ac.in/naac/Q%2020-21%20-%207.1.1%20-%20New.pdf

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	No File Uploaded

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

Solid Waste Management:

All waste materials, like wrappers, glass, metals, paper, plastics, etc., are collected within the campus, used papers, and workshop scrap and given to external recycling agencies. Biodegradable and non-biodegradable wastes are segregated and disposed of by external agencies. Leaf litter is allowed to decompose systematically over a while and used as manure for the gardens within the institute.

Liquid Waste Management:

The liquid wastes generated on the campus include Sewage, Laboratory, Laundry, hostel, and canteen effluent waste. These wastes are treated through Sewage Treatment Plant (STP) on campus. The sludge settled in the STP is removed, dried on drying beds, and used as garden manure.

Biomedical waste Management

Sanitary Napkins from the girl's hostel are disposed of in an environmentally friendly way.

E-Waste Management:

SECE has entered into an MoU with "GREEN INDIA RECYCLERS", which buys our damaged computers and other non-reparable e-waste and issues a recycling certificate. The equipment which cannot be refurbished for re-use is dismantled and remanufactured into raw materials (i.e. metals, plastics, glass) to be marketed as recyclable. In the previous year, 206 kgs of e-waste were collected and sent to Green India recyclers.

Hazardous chemicals and radioactive waste management

The laboratory waste water does not contain hazardous chemicals as all the acids are mixed with the base to form the neutral solution and released.

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	No File Uploaded

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

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

A. Any 4 or All of the above

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
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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	No File Uploaded
Any other relevant information	No File Uploaded

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

Sri Eshwar College of Engineering is situated on the outskirts of Coimbatore city and admits students from various strata of society and from different parts of the Country. Most of the students come from rural backgrounds and are first-generation ones to take up college education. SECE has been

- Students of different regions study together without any difference in caste or religion.
- English, being the campus language, helps students from various states to adapt quickly.
- The food preferences of students from other states are also taken into consideration and provided in the hostel mess and the canteen.

- The management provides a huge number of scholarships every year to attract students from other states, poor economic backgrounds, and students with sports achievements.
- To develop a multicultural and multilingual environment, students from different states are put together while doing projects and other similar activities.
- Societal consciousness is inculcated among the students by adopting 5 nearby villages under the Unna Bharat Abhiyan Scheme and providing a host of services, leveraging technology.
- Cultural events are conducted to create a bonding among students from various states and also to provide an opportunity to exhibit their talents.
- German and Japanese languages are offered to all students under the autonomous stream since 2019.

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:

The institution has taken up the following initiatives to sensitize the students on their constitutional obligations.

The mandatory course U19MC202 Indian Constitution and Tradition is included in the course curriculum for all the undergraduate engineering students. This course discusses the following

- HISTORY OF INDIAN CONSTITUTION
- FUNDAMENTAL RIGHTS AND DUTIES
- FEDERAL STRUCTURE AND DISTRIBUTION OF POWERS
- CONSTITUTIONAL AMENDMENTS AND EMERGENCY PROVISIONS
- RIGHT TO EQUALITY, FREEDOM, AND PERSONAL LIBERTY

<https://sece.ac.in/wp-content/uploads/2021/12/B.E.-MECH-R2019-Curriculum-Syllabus-dated-05-08-2021.pdf>

To foster patriotism among students, a huge national flag of

dimension 21 feet width x 14 feet height is hoisted at the top of the 50 feet tall pillar every day in the morning and brought down in the evening. The college celebrates Independence Day and Republic Day in a grand manner with NCC Parade, flag hosting, events, and competitions for kids of employees, focusing on patriotism. During these events, the speakers highlight our freedom struggle and the importance of upholding the values of our constitution.

The students and staff members visit the schools in the 5 villages adopted by our college under the Unnat Bharat Abhiyan Scheme, host national flag, conduct events for children and distribute sweets. Further the staff and students take part in the Gram Sabha meetings to understand the requirements of the villages and provide technical solutions for the identified problems.

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	No File Uploaded

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

The Institution celebrates the following events every year:

1. **Annual Day**
2. **Republic Day**
3. **Independence Day**
4. **Womens Day**
5. **Engineers Day**
6. **Teachers Day**

In this year, some of the events are celebrated adhered to Covid 19 protocols.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice - 1 Training & Placements
Title of the Practice - The training & placement department creates the best career opportunity for students, by nurturing them with required training and deserving job placement.

Best Practice - 2 ED-Matrix - Learning Management System - A product of Sri Eshwar ED-Matrix - LMS -To provide a platform where the brilliant ideas of students could be nurtured and prepare students in a practice-oriented way with fully automated Learning Management systems which enables collaborative, Practice Oriented and discussion-based learning environment

File Description	Documents
Best practices in the Institutional website	https://sece.ac.in/wp-content/uploads/2022/05/Best-Practices-2020-21.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Electrical demand of a country is the index of its growth. In INDIA demand for electricity increasing every day. This provides opportunity for various nonconventional energy generations. Maintaining the quality of power is equally responsible as generation. Energy audits and Power Quality audits are the prime parameters to keep the quality of Power within the specified standards.

Sri Eshwar Energy Division (SEED) is an exclusive division whose prime focus is in the field of power quality audit, energy audit and also to provide consultancy in electrical power related areas. SEED provides solutions and guidance for energy conservation, energy management and mitigation of harmonics. The highly qualified, experienced and dedicated team of SEED headed by. Dr. S.R.Sivarasu, BEE certified Energy Manager (EA-27299/2018) commits itself in the field of

applied research in power quality issues and comes up with real-time solutions for energy related problems in industries as well as academic institutions. He is also a Lead Auditor for ISO 4001:2015. Through SEED, awareness programmes were conducted for Electrical Safety, Energy Conservation, Energy Auditing, Power Quality auditing and Thermographic auditing. More than 40 Energy Audits were conducted which includes Coir Industries, Textile Industries, Plastic Industries, International Airports, Southern Railways, Universities and Educational Institutions of various levels. SEED conducts audit and also commits to provide solutions to improve the power quality issues.

File Description	Documents
Appropriate link in the institutional website	https://sece.ac.in/wp-content/uploads/2022/07/SEED-Institution-Uniqueness.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. To further strengthen ICT
2. To strengthen the Research and Development Cell by increasing the number of publications, patent filing, and sponsored research.
3. To strengthen the consultancy work.
4. To conduct student-focused academic and skills development activities.
5. Technical Project competitions, Innovation & Design, Contests, and Hackathons are to be conducted and students from the second year onwards must be encouraged to participate in in-house and outside institutions.
6. Academic and Administrative Audit
7. To construct an additional Elevator.
8. To construct an exclusive building for NSS and Medical Care