



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>		<b>SENGUNTHAR ENGINEERING COLLEGE</b>
• Name of the Head of the institution	<b>Dr .R. SATISHKUMAR</b>	
• Designation	<b>PRINCIPAL</b>	
• Does the institution function from its own campus?	<b>Yes</b>	
• Phone No. of the Principal	<b>04288255715</b>	
• Alternate phone No.	<b>9842755552</b>	
• Mobile No. (Principal)	<b>9366653347</b>	
• Registered e-mail ID (Principal)	<b>info@scteng.co.in</b>	
• Address	<b>KOSAVAMPALAYAM, KUMARAMANGALAM POST</b>	
• City/Town	<b>TIRUCHENGODE</b>	
• State/UT	<b>TAMIL NADU</b>	
• Pin Code	<b>637205</b>	
<b>2.Institutional status</b>		
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>24/06/2019</b>	
• Type of Institution	<b>Co-education</b>	
• Location	<b>Rural</b>	

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr . T . R . CHINNUSAMY</b>				
• Phone No.	<b>04288255716</b>				
• Mobile No:	<b>9788286124</b>				
• IQAC e-mail ID	<b>iqac@scteng.co.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://sect.edu.in/pdf/AQAR2021-2022.pdf">https://sect.edu.in/pdf/AQAR2021-2022.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://sect.edu.in/academic-schedule.html">https://sect.edu.in/academic-schedule.html</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.06</b>	<b>2015</b>	<b>15/11/2015</b>	<b>14/11/2020</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.06</b>	<b>2020</b>	<b>15/11/2020</b>	<b>31/12/2024</b>
<b>6.Date of Establishment of IQAC</b>			<b>31/12/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
INSTITUTION	MSME HI BI	MSME	21/01/2020	0
INSTITUTION	AUTONOMOUS STATUS	UGC	24/06/2019	0
INSTITUTION	Remote Centre - IIT Bombay	IIT Bombay	08/05/2018	0
INSTITUTION	12 (B) STATUS	UGC	08/08/2016	0
INSTITUTION	National Cyber Security	National Resource Centre for National Security Programme	12/02/2016	0
INSTITUTION	2 (f) STATUS	UGC	15/05/2015	0

**8. Provide details regarding the composition of the IQAC:**

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>	<b>3</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		

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

Quality checks on different activities of the institution

Develop better student mentoring system, conduct Student Satisfaction Survey, taking systematic and concerted efforts for entrepreneurship, promoting environmental consciousness and Green campaign

Promoting students participating in co-curricular and other activities to impart leadership training and universal values

**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
Affiliation & Accreditation	The Institution has been recognized by UGC, New Delhi under Section 2(f) and 12(B) of the UGC Act, 1956 and also Accredited with "A" Grade by NAAC and the NAAC Accreditation has been renowned up to 31.12.2024 with the same grade point 3.06 of 4 point scale. The college is certified as ISO 9001:2015 Institution by BSCIC. This Autonomous Institution has been approved by University Grants Commission (UGC), All India Council for Technical Education (AICTE), New Delhi and Anna University, Chennai for Ten years from the academic year 2019-2020 to 2028-29.
Admission	For the academic year 2022-2023 totally 505 students have been admitted in various programmes, 445 students in UG, B.E./B.Tech. Programmes and 60 students in PG (MBA & M.E.) programmes.
New Courses of Study	To meet the societal demands and to opt for 100 % employment assuring degree programmes, the College started a new degree

	<p>programme in B.E. Computer Science and Engineering (Cyber Security) with effect from 2022-2023 with an intake of 60. We have framed new Curriculum and Syllabi for Minor Degree / Honours to be offered in UG programmes under the Regulations 2019, following the guidelines of AICTE.</p>
Faculty publications and participations	<p>25 papers have been published by our faculty members in various reputed National/International journals. More than 130 papers have been published and presented in National/International Conferences by our entire faculty crew. There are 303 faculty members have participated in Seminar/ Workshop/ FDP. 34 Number of Online Courses Registered / Completed by the faculty members. 6 No. of faculty members published patents</p>
Library details	<p>In our central library 38,095 number of titles of books, 1042 number of Reference Books, 4484 e-books, 133 Journals, 162 e-Journals and 1589 number of Videos, CDs &amp; DVDs are accessible to students</p>
Clubs and Association	<p>51 various clubs and associations are functioning effectively and nearly 74 programmes have been conducted through Online/offline mode during that academic year 2022-2023.</p>
Centre for Excellence	<p>Centre for Excellence in ECE and Medical Electronics, TEXAS Innovation Lab, USA in ECE</p>

	<p>Department, IIBM Remote Centre, Nodal National Resource Centre (National Cyber Security Programme-NCSP in Zone -XIV) are effectively functioning for enabling the students to face the formidable challenges of the future.</p>
Centre for Research	<p>Electrical and Electronics Engineering Department recognized as Centre for Research by Anna University, Chennai during this academic year 2022-2023.</p>
Value Added Courses	<p>Value added courses give the outlook of emerging trends in the society which supports the students for their career. Our autonomous curriculum itself designed with value added courses. Besides, Leadership Enhancement course has been offered for Our Second Year students to perform best in their placement</p>
Industrial Training	<p>Internship is the best exposure to develop the base for the student's carrier and built up their future ideas. All the all clear students of the entire department were given exposure to attend In-plant</p>
Placement	<p>Training cell is functioning very well under the leadership of Mr. Aravind Thirunavukkarasu, Director, Corporate Relations and Training. Training offered to all the batch students and placed so far in 31 reputed companies. Special training programs on Aptitude, Communication Skills and Group discussion were arranged by the</p>

	training and placement cell, as the result 75% of eligible students were placed and 10% of students have chosen their career as Entrepreneur during that year.
NPTEL	17 students and 5 faculty members completed the course completion in NPTEL
MOUs Signed	Signed 7 MoUs with various leading Industries and companies for strengthening industry/institute interaction during the academic years 2022 - 2023 through which students have undergone short internship, summer internship and on the job training.
Entrepreneurship Development Cell	55 Entrepreneurship Development Programme was organized by EDC/IIC in this academic year.
Grants and Funds Received	<p>Texas Instruments India has contributed 6 RSLK Robotics Basic Kit for the worth of Rs. 48,000 to ECE Department 2.</p> <p>TNSCST Sanctioned Rs. 15000/- for two projects in EEE &amp; MECH Department 3. Department of EEE organized National Level Short Time Training Programme by AICTE grant in aid of Rs.3,57,667 on AI - Based Novel Power Distribution and Correction Technology for Four Weeks. 4. AICTE Sanctioned Rs 12,03,333 to the principal Investigator Dr. M. Sakthivel /Head CSE and Co Principal Investigator Dr B. Sujatha / Dean- Academics Under Research Promotion Scheme to conduct research. 5. TNSCST approved Rs 7500 each to the following faculty member's team</p>

	<p>1.Mrs.B.Buvaneswari, AP/ECE  2.Mr.M.Ashok kumar, AP/ECE  3. Mr.N.Saravanan, AP/Mechanical,  Under State Project Scheme.  6. AICTE Sanctioned Rs.15,52,500  Sanctioned for MODROB in Medical  Electronics Department to the  Coordinators Dr.R.Satish  Kumar/Principal and the CO-  Coordinator Mr.M. Sathik  Raja/Head MEE Under Research  Promotion Scheme to conduct  research.</p>
<b>Achievements</b>	Received 4 Star Certificate by Ministry of Human Resource Development - Institution Innovation Council (MHRD - IIC) Ranking
<b>Social Awareness and Extension  Activities</b>	Adopted 5 villages around the College; Unjanai, Vattur, Manadagapalayam, Thokkavaadi, Kosavampalayam villages from Tiruchengode Taluk, Namakkal District under UBA (Unnat Bharat Abhiyan) and we are helping these villages in making awareness, drafting development plan, providing technology, sharing resources and Knowledge towards the development of these villages.
<b>NSS Activities</b>	Two Units of NSS and conduct several activities in each academic year. Our College organized more than 34 activities with NSS, YRC, RRC & UBA throughout this academic year
<b>13.Was the AQAR placed before the statutory  body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	



Name of the statutory body	Date of meeting(s)
<b>IQAC Board Meeting</b>	<b>10/03/2023</b>
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• Year</li> </ul>	
Year	Date of Submission
<b>2023</b>	<b>04/04/2024</b>
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>The vision and mission of the institution focuses on offering a full range of programmes of global standard in the fields of Science, Engineering, Technology and Management studies to foster research, and to transform the students into globally competent personalities. The curriculum gives more focus on Humanities, Management courses, Basic Science, Professional core and electives, open elective courses, employability enhancement courses and mandatory courses. The Humanities and Basic Science courses contribute around 25% of the overall credits in curriculum along with mandatory courses in all B.E. / B.Tech. Programmes and the curriculum is designed to provide flexibility to students in selecting the courses and credits based on their choice to equip themselves for their career growth. The curriculum offers credit based value added courses, life skills, Industry oriented courses, and Industry mentorship through industry projects for the students to enhance their technical skills. To support multidisciplinary education as per National Education Policy (NEP) 2020, students are encouraged to select open elective and core elective courses of their own choices</p>	
<b>16. Academic bank of credits (ABC):</b>	
<p>Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. The "Academic Bank of Credits" (ABC) is functioning under Controller of Examinations through e-Nova Portal System. This system has credit recognition, credit accumulation and credit transfers in order to promote distributed and flexible teaching and learning. It provides students Login ID for checking results and for ensuring credit accumulation. As per our autonomous Regulations students are eligible to avail the</p>	

credit facilities provided by the Academic Bank of Credit through SWAYAM, NPTEL, VLab and such other schemes offering their courses.

#### **17.Skill development:**

Educating and skilling the students of college to enable them to get employment is the prime motive of the institution. For which we include various courses and activities in the academic curriculum and also out of the curriculum for overall skill development. We include Employability Enhancement Courses and Mandatory Courses like Life Skills for Engineers, Leadership Enhancement Program, Quantitative Aptitude, and English Communication lab, Entrepreneurship Development Program, Indian Constitution and Technical Laboratories. These courses enact the students to learn and develop Communication Skills, Interview skills, Presentation skills, Problem Solving Techniques, Critical thinking, creativity, Moral Ethics, Professional and Human values, etc., We also made MOUs with EduSkill, Texas instruments, PMKVY and others for better prosperous career for our students. These combined skill and capacity building activities with technical knowledge allows Sengunthar Engineering College students to be more well rounded, and make them job ready and give them a platform to launch their careers as entrepreneurs.

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

Students are motivated to do project works that are beneficial to societal welfare. In order to bring awareness on environmental issues and to impart Indian traditions among the youngsters, Environmental science and engineering and constitution of india are included in curriculum under B.E/B. Tech Regulation 2019 & 2023.

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

At SEC, the OBE system has been implemented since 2019. It has been fine-tuned and institutionalized through focused policy formation and training after granting autonomous exclusively for the holistic implementation and sustainment of OBE. Various committees such as Alumni Association Cell (AAC), Internal Quality Assurance Cell (IQAC), Department Advisory Board (DAB) and Industry Institute Partnership Cell (IIPC), have been formed by drawing members from Industry, Alumni, Parents, Management, Faculty, Staff and Students. These committees guide and monitor the implementation of OBE in the college. It enhances the quality of Teaching and Learning. Program Outcomes(PO) Engineering Graduates will be able to: 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of

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

Program Specific Outcome (PSOs)

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

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

## 20.Distance education/online education:

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

## Extended Profile

### 1.Programme

1.1 15

Number of programmes offered during the year:

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

### 2.Student

2.1 1050

Total number of students during the year:

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

2.2 127

Number of outgoing / final year students during the year:

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

2.3

**1004**

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

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

### 3.Academic

3.1

**381**

Number of courses in all programmes during the year:

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

3.2

**191**

Number of full-time teachers during the year:

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of programmes offered during the year:	<b>15</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Total number of students during the year:	<b>1050</b>
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2 Number of outgoing / final year students during the year:	<b>127</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	<b>1004</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>381</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	191
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	210
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	426
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	53
Total number of Classrooms and Seminar halls	
4.3	586
Total number of computers on campus for academic purposes	
4.4	228.50834
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.

The curriculum is designed by keeping in mind the developmental needs of the society with the guidelines proposed by the UGC, AICTE, Anna University and the TN State Council for Higher Education. The Department Advisory Committee (DAC) which comprising team of BoS Chairman, Academician (External), Industrialist, Alumni, senior faculty members and Student to identify and assess/evaluate in order to make the curricula of the

programmes /courses relevant to such needs. This task is done by involving the experts from academia and industry; taking into account the feedback obtained from various stakeholders namely students, alumni, employers and faculty members. An effective implementation of this Outcomes Based Education (OBE) ensures that our graduating engineers can compete on a global platform, and have expected global attributes. The Institute keenly observes the attainments of PO and PSO for the respective programmes which inturn relates to Vision and Mission of the institution and Department as well. The course designers prepare course outcomes with corresponding Bloom's level and target level of attainment followed by course design.

The main objective of this initiative is to inculcate corporate social responsibilities to positively contribute to the sustainable growth and development of people and community and to meet the new and emerging challenges of the ever-changing society, economy, and policy. The dynamic and well-designed curricula incorporate the latest knowledge, interdisciplinary learning, and life skills to meet out the local/national/regional/global needs.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://sect.edu.in/pd/1.1.1.pdf">https://sect.edu.in/pd/1.1.1.pdf</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

81



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

## 1.2 - Academic Flexibility

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

49

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

The institution integrates cross cutting issues relevant to

gender, environment and sustainability, human values and ethics by introducing specific courses in the curriculum and various activities such as Orientation Programmes for first year students, Women empowerment programmes through Women Development cell (WDC), Carrier Counseling , NSS/YRC/NCC activities. Gender Sensitivity Courses like Women Development-Issues and Concerns, Women Empowerment, Women's Rights Awareness and Women's Studies educate the students on gender equality. Women Empowerment Cell addresses the grievances and concerns of the girl students. The cell organizes various activities such as lectures, seminars, panel discussions, Women awareness programs, role plays etc., to create awareness among the girl students.

Each UG degree programme has included with Environmental Science as a separate course. It enables a holistic understanding of the environment and develops favorable attitude and habits to protect and preserve nature. The constant effort of the NSS team in the Swatch Bharat Mission promotes cleanliness and hygiene in the campus and surrounding areas.

Courses are offered on Professional Ethics and Values, Legal aspects of Business, Consumer behavior to develop professionally accepted standards of personal and business behavior, values and guiding principles

Anti-Ragging cell plans the activities like Anti-ragging campaign, formation of anti-ragging squad, Debate, Skits, Awareness talk by Government officials for curbing the ragging menace and making the students aware of human values. The cell addresses the complaints by the students, scrutinizes and approves the reports of the Anti-ragging Squad.

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

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

10

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.3.3 - Number of students enrolled in the courses under 1.3.2 above</b>	
<b>347</b>	
File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.3.4 - Number of students undertaking field work/projects/ internships / student projects</b>	
<b>438</b>	
File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4 - Feedback System</b>	
<b>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</b>	<b>A. All 4 of the above</b>
File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://sect.edu.in/pd/1.4.1.pdf">https://sect.edu.in/pd/1.4.1.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.4.2 - The feedback system of the Institution comprises the following</b>	<b>A. Feedback collected, analysed and action taken made available on the website</b>
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File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://sect.edu.in/pd/1.4.2.pdf">https://sect.edu.in/pd/1.4.2.pdf</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

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

573

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

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

426

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 2.2 - Catering to Student Diversity

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

#### Identification of Slow and Advanced learners:

Based on Continuous Internal Assessment 1, the First Year students are identified as advanced and slow learners. If the students secure more than 80% of marks in each subject, are considered as an Advanced Learners. If the students secure less than 80% of

marks in each subject, are considered as a Slow Learners. For Higher Semester, based on the End Semester Examinations result, the students are considered as advanced and slow learners. If the students secure more than 7.5 CGPA, are considered as an Advanced Learners. If the students secure less than 7.5 CGPA and have an arrear in single subject, are considered as a Slow Learners.

#### Special Measures for Slow Learners:

- Academic and personal counseling are given to the slow learners by their subject in-charges, Class advisors and mentors.
- Subject wise Remedial classes are conducted for slow learners and absentees to improve their academic performance.
- Performance Improvement Test conducted for slow learners

#### Special Measures for Advanced Learners:

- Advanced learners are encouraged to register for advancement courses.
- Advanced learners are encouraged to enroll in various online courses.
- Motivated to participate and present papers in various Conferences, Webinars and Workshops conducted by various organizations.
- Students who secured Ranks in the End Semester Examinations are honored with Medals in the College Day to motivate their academic achievements.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/2.2.1.pdf">https://sect.edu.in/pd/2.2.1.pdf</a>

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

Year	Number of Students	Number of Teachers
31/05/2023	1052	191

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

### 2.3 - Teaching- Learning Process

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

Experiential learning, participative learning and problem solving methodologies are well adopted by our college to ensure the holistic development of students. Besides, it focuses on the student-centric methods to develop latest skills, knowledge, attitude, values to shape students' career. Experiential Learning: Employability Enhancement Courses have been offered by the institution in the curriculum under Regulations 2019 to enrich the experiential learning to the students. In addition the institution imparts the following experiential learning practices to expand the creativity and intellectual levels of the students:

- o Mini project and Project works are carried out by the students to showcase their innovative skills.
- o Internship provided to the students to get Hands on Training with latest technologies.

Participative Learning: Participative Learning includes attending seminars, group discussion, quizzes, participating in project contexts, etc. This Participative Learning inculcates the students to become independent, improve leadership skills and augment the creativity.

- o Students are encouraged to participate in National/ International conferences, Symposia, Seminars and Workshops.
- o Proficiency in soft and communication skills through lab sessions.

Problem-Solving Methodologies: Faculty members encourage students to acquire and develop problem-solving skills. For this, each department organizes expert lectures on various topics, motivate students to join NPTEL courses, participate in various inter-college and intra-college technical activities and other competitions such as:

- ? Tutorials
- ? Project and Mini Project development

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sect.edu.in/pd/2.3.1.pdf">https://sect.edu.in/pd/2.3.1.pdf</a>

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

Our College encourages, intensive use of ICT enabled tools including online resources for effective teaching and learning process. Our faculty members are using ICT enabled tools to enhance the quality of teaching-learning such as:

- o General ICT tools are using by our faculty members such as Desktop and laptops, Projector, Digital cameras, Printer, Photocopier, tablets, Pen Drive, Ipads, Scanners, Microphones, interactive white board, DVDs and CDs.
- o Google classroom is used to manage and post course related materials, Lab manuals, Records.
- o Virtual labs are used to conduct labs through simulation.
- o For the effectiveness of teaching-learning process classes are taken with PPT
- o Students' feedbacks are collected through Google forms.
- o To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jam board in Google meet, etc.
- o Students are counseled with the help of Google Meet applications.
- o Wide range of e-resources like DELNET, Digital library, e-journals, e-books, CD and DVD etc., by using library.
- o Smart board is used by the faculty members effectively.
- o Our Faculty members were trained for effective usage of ICT Tools. Training was given by Dr.M.Sakthivel, Associate Professor & Head, Department of Computer Science and Engineering on 20.12.2022 through online.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://sect.edu.in/pd/2.3.2.pdf">https://sect.edu.in/pd/2.3.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

77

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

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

1. **Academic Calendar:** The Dean (Academics) prepares the academic calendar every semester in advance. It consists of the list of working days, class committee meeting schedule, Continuous Internal Assessment, Performance Improvement Test and Tentative End semester theory/practical examination dates, symposium, conferences, holidays, festivals etc. Academic calendar provides the total effective working days available in a given semester. Then the timetable Incharges prepares the time table according to the Academic Calendar which was approved by the Head of the Institution. 2. **Teaching Plan:** Heads of the departments conduct meeting with their respective faculty members well in advance of commencement of the semester course work, and allocate subjects. The subject in-charges concerned prepare Lecture plan for their respective subjects which are duly approved by the Head of the department. The number of hours in the teaching plan is framed depending on the credits of the course and made available to the students. This schedule is placed in the course file at the beginning of the semester. Effective implementation of the lesson and lecture schedules is monitored by the Head of the Department as well as academic auditors. Then the faculty members are asked to prepare unit notes and Lab manuals which are approved by Academic coordinator, HoD, Dean (Academics) and Principal.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

#### 2.4 - Teacher Profile and Quality

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

191



File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**30**

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

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

**129**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### **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**

**20**

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

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

15

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

The College is continuously carrying out reforms in its examination systems through integration of IT. The automated software are implemented in the continuous internal assessments marks entry (Assignments etc.) and the performance of students are analyzed. ESE results are published in the website. Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system.

#### Examination Procedures and IT Integration:

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

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

E-governance has been successfully implemented in the College during the Academic Year 2020-2021. Online entry of Students data, attendance and internal assessment marks help to reduce the errors and saves lot of time. All the results of the examinations published through online. Examination procedure has been completely automated using IT software. On the student's request, Transcripts, Duplicate grade sheets, and CGPA to percentage conversion certificates are made available to graduates. Squads are constituted and academic audit will be done for the CIA and ESE. Two sets of question papers are prepared for each course to maintain confidentiality. ESE answer scripts are assigned with dummy numbers.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/2.5.3.pdf">https://sect.edu.in/pd/2.5.3.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

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

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

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sect.edu.in/pd/2.6.1.pdf">https://sect.edu.in/pd/2.6.1.pdf</a>

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

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

Attainment of Program Outcomes and Program Specific Outcomes:

Course Outcome

Assessment Methods 1. Direct Assessment 2. Indirect Assessment

IS CO Target Attained? Setting the CO Attainment Target

Computation of CO Attainment

Continuous Improvement Increase the Target level

A correlation is established between COs and POs and COs and PSOs on the scale of 1 to 3, 1 being low correlation, 2 being moderate correlation and 3 being high correlation. If the course outcomes are attained, the POs correlated to these course outcomes are also attained. The Assessment tools for Program Outcomes and Program Specific Outcomes are Direct and Indirect assessment methods. Direct assessment tools show the knowledge and skills of the students based on their performance in seminars, assignments and examinations etc., which are based on the questions that relate to the specific Course Outcomes of the course. As COs are mapped with POs and PSOs, the direct assessment tools used for COs can also be used for assessing POs and PSOs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/2.6.2.pdf">https://sect.edu.in/pd/2.6.2.pdf</a>

### 2.6.3 - Pass Percentage of students

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

Institution	
118	
File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://sect.edu.in/pd/2.6.3.pdf">https://sect.edu.in/pd/2.6.3.pdf</a>
<b>2.7 - Student Satisfaction Survey</b>	
<b>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</b>	
<a href="https://sect.edu.in/pd/2.7.1.pdf">https://sect.edu.in/pd/2.7.1.pdf</a>	
<b>RESEARCH, INNOVATIONS AND EXTENSION</b>	
<b>3.1 - Promotion of Research and Facilities</b>	
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	
<p>Research and publication play a pivotal role in the academic landscape, particularly in engineering colleges. The pursuit of knowledge through rigorous inquiry and the dissemination of findings contribute to the growth and development of the field. Higher educational Institutions serve as hubs for fostering academic excellence, and research is at the core of this pursuit. Engaging in research allows faculty members and students to explore uncharted territories, push the boundaries of existing knowledge, and contribute to the ever-evolving field of engineering. Active participation in research and subsequent publication by our faculty members is instrumental in their professional growth. Research endeavors contribute significantly to their expertise and credibility within their respective fields. This year several papers have been published by our faculty members in various reputed National/International journals. Many numbers of papers have been published and presented in National/International Conferences by our entire faculty crew. There are 280 Faculty Members have Participated in Seminar/ Workshop/ FDP. 34 Number of Online Courses Registered/Completed by</p>	

the Faculty Members. 6 No. of Faculty Members Published Patents are evident for their excellence in their domain.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://sect.edu.in/pd/3.1.1.pdf">https://sect.edu.in/pd/3.1.1.pdf</a>
Any additional information	<a href="#">View File</a>

### 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)

9.61

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

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

4

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

19.8

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

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

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/research-activities.html">https://sect.edu.in/research-activities.html</a>
List of research projects during the year	<a href="#">View File</a>

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

7

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

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

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.tanscst.tn.gov.in/show_scheme?id=3">https://www.tanscst.tn.gov.in/show_scheme?id=3</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

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

The Institution creates a conducive environment for the promotion of innovation, incubation, entrepreneurship, start-ups, and intellectual property rights. Students are advised to take an active role in solving societal problems by using the latest science and technology. The students to become successful innovators for solving various societal problems and to become an entrepreneur for launching their own start-ups inside the campus.

Research and Development Cell is functioning to provide support and guidance to the students and faculty members for their research and innovative product development activities through proper strategic plan. Embedded System Design, Centre of Excellence is continuously supported to Faculty Members and Students. Innovation Council is framed to promote innovation and entrepreneurship culture among students and Faculty Members through Ministry of Education. Innovation Council organizes periodic workshops/ seminars/ interactions, Hackathons, idea competition, mini-challenges with entrepreneurs, investors, and



professionals. Innovation and Start-up Policy is created. This policy intended for promoting students' driven innovations & start-ups and to engage the students and faculty in innovation and start up activities in campus

Entrepreneurship Development Cell (EDC) is established to create awareness among the students regarding entrepreneurship as a career option. Periodic seminars, workshops and interactions with business leaders and industry experts are being conducted to help the students to develop an entrepreneurial mindset.

MSME has recognized our institute as host business incubator for the implementation of the scheme "Support for Entrepreneurial and Managerial Development of MSME's through Incubators" .This scheme will support ideas of Students, MSMEs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/3.3.1.pdf">https://sect.edu.in/pd/3.3.1.pdf</a>

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

60

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

5

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

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

25

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

2

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/3.4.4.pdf">https://sect.edu.in/pd/3.4.4.pdf</a>

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

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

112

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

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

8

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

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

6.5

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.51

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

Extension activities play a pivotal role in shaping the holistic development of students in engineering colleges. While academic excellence is crucial, these extracurricular initiatives provide students with opportunities to apply theoretical knowledge in practical scenarios, develop essential skills, and contribute positively to society. The extension activities in our college make the students to understand the community in which they will work and identify the needs and problems of community and involve them in problem solving. Extension Activities aims at enabling our students to develop social responsibility and learning by doing. Our extension activities have multiple dimensions such as National

Service Scheme, National Cadet Corps, Youth Red Cross, Red Ribbon Club, etc. NSS activity makes the students confident, develop leadership skills, and gain knowledge about different people from different walks of life. NSS offers a wonderful opportunity to use a part of spare time to empathize and help the poor and the under privileged fellow country men living in slums and villages.

The NSS units of the institution consist of 200 (unit I -100 +Unit II-100) socially sensitive students with deep sense of service participating in the activities of club with verve. Students used to go to the nearby villages to involve themselves in the field work thereby knowing the real conditions of the villagers. Our college is committed towards social and national responsibilities; bearing this in mind we have raised the NCC Air Force in the year 2019 under 5 TN Air Sqn Tech NCC Salem on 18.09.2019.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/3.6.1.pdf">https://sect.edu.in/pd/3.6.1.pdf</a>

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

3

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

34

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

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

1292

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

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

65

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

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

17

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

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

The College encompasses a well maintained lush green campus spread over total of 60 acres of land with 33.33 acres building ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning activities.

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

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

**Wi-Fi & Available band width:** 100 mbps (Faculty & Staff Band width limit- 2.5Mbps/User, Students bandwidth limit - 2 Mbps/User). Internet facility is available in whole campus including labs, classrooms, library, offices of all Departments and hostels.

**Central Library:** The college has a central library of 13,43,390 sq. mt. with two storey building, well equipped with 38087 Books, 300 E-Journals and 12 News Papers. For effective Teaching learning process the library is maintaining a special section which is incorporated with Educational CD's and DVD's in the fields of Engineering, Management and Science and Humanities. The library provides 12 news papers to the students in order to update the day to day news.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.1.1.pdf">https://sect.edu.in/pd/4.1.1.pdf</a>

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

**Outdoor Games and Indoor games:** College has adequate facilities for sports, games and cultural activities. The total area of

sports and games fields is 12 acres. Our College holds well exposed teams in Football, Basket ball, Cricket, Kabaddi, Ball Badminton, Shuttle badminton, Table Tennis, Boxing, Hockey, Volleyball, Take-Won-Do, Judo and Athletics. Three of our students got selected in Women's University Cricket team this year.

Games and sports competitions are organized regularly every year for students. Students are specially trained for participation in Zonal and Inter-Zonal National Youth Festivals competitions organized by the Association of Indian Universities, the National Youth Parliament competition and other cultural, sports events outside the campus. NCC Cadets are trained to participate in Inter Squadron Competitions and Directorate Level Competitions.

**Gymnasium:** The College has well equipped gymnasium for boys & girls with all modern equipment

Yoga classes and training are organized on the special occasions to maintain a balanced attitude in day-to-day life and endows skill in the performance of one's actions. Special classes on self-defense are organized especially for female students.

**Cultural activities:** Students present cultural programme on special occasions like Annual Day, Sports Day, Republic Day, and Independence Day Celebrations and also in National and International Conferences organized by the Institution. Cultural activities also exist in the Girls and Boys Hostels. All faculties have well-equipped assembly halls for organizing annual functions and cultural events.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.1.2.pdf">https://sect.edu.in/pd/4.1.2.pdf</a>

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

53



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

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

114.68477

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

## 4.2 - Library as a Learning Resource

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

Sengunthar Engineering College was established in 2001 and it is an autonomous Engineering college affiliated by Anna University, Chennai. The college has a separate excellent integrated library surrounded by 1526.954 Sq.ft which is a two storey building. The library is the repository of knowledge and information, as well as the nerve centre of the college's teaching and learning operations.

Moreover, it has integrated library Management software, e-Nova Software Version 5 established in the year 2021. The usage of the above mentioned software are Gate entry, data entry, Book issue and return, renewal of the books, journals entries etc. The automated system enables book purchase order, receiving and accessing, cataloguing in the form of Dewey decimal classification. OPAC (Online Public Access Catalogue) service is provided for the users to search the collection of the books, titles, authors, publishers and particular editions, etc. The users have to swipe the ID card while entering into the library and the Circulation of books issue and return, Stock verification, etc are maintaining by barcode technology. Departmental libraries

are maintained by some departments. Books on general themes are also available for students' further growth. Computer lab with internet access and a printer is provided. Students are given a library card to use at their leisure.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.2.1.pdf">https://sect.edu.in/pd/4.2.1.pdf</a>

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

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

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

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

**5.04018**

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

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

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

**1776**

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

### 4.3 - IT Infrastructure

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

Sengunthar Engineering College maintains certain policies with regard to the use and security of its computer systems, networks, and information resources.

The Information Technology Policy Committee, guides, directs, and approves the establishment and implementation of policies, guidelines, and standards pertaining to the use of IT within Sengunthar Engineering College.

Our College has upgraded its IT infrastructure, and software for office automation, admissions, library, examinations, and other facilities. Students are encouraged to use ICT tools to provide seminar speeches. The institution has always given priority for up-gradation of IT facilities. Regular updating is done in facilities at institution level as well as department level. The description of the same is provided below.

Wi-Fi has been installed around the campus to allow students and faculty members to easily access the internet. Due to rapid technological advancements, computers are upgraded on an almost yearly basis. If equipment is required, requisition proposal will be submitted six months in advance.

The audio-visual setup enables the institute to often arrange workshops conducted by IITs via video conferencing. The equipment of audio visual setup was upgraded yearly.

Identity: System Identity is given in the form of IP Addresses and unique number is assigned to each and every computer in laboratories and faculty rooms.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.3.1%20.pdf">https://sect.edu.in/pd/4.3.1%20.pdf</a>

**4.3.2 - Student - Computer ratio**

Number of Students	Number of Computers
1052	586

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

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.3.4%20.pdf">https://sect.edu.in/pd/4.3.4%20.pdf</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

**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)**

108.78339

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

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

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

Scheduled maintenance and preventive maintenance are the two basic categories of maintenance. The format of a log book is used to maintain staff and students on a regular basis. The creation of a maintenance group is also ongoing. The infrastructure is maintained by a group of qualified individuals, including carpenters, electricians, masons, construction workers, plumbers, and painters.

Usually on-site or quickly reachable on call, this team. The contact information is placed at the office of the chief person, who handles maintenance issues and takes complaints. Nearly every day, calibration and exact measurements are made for tools and equipment.

In order to assist the lab assistants in keeping the instruments correctly maintained and calibrated on a daily basis, staff members are given duties.

- Housekeeping personnel regularly cleans the floors, labs, libraries, and restrooms in the classroom.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/4.4.2.pdf">https://sect.edu.in/pd/4.4.2.pdf</a>
<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year</b>	
922	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year</b>	
611	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology</b>	<b>A. All of the above</b>

File Description	Documents
Link to Institutional website	<a href="https://sect.edu.in/pd/5.1.3.pdf">https://sect.edu.in/pd/5.1.3.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

837

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

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

**A. All of the above**

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

<b>5.2 - Student Progression</b>	
<b>5.2.1 - Number of outgoing students who got placement during the year</b>	
101	
File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>5.2.2 - Number of outgoing students progressing to higher education</b>	
1	
File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year</b>	
<b>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</b>	
0	
File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>5.3 - Student Participation and Activities</b>	
<b>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</b>	
22	



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

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

**Student Council:** The Student Council serves as the elected representative body of the student community. It comprises student leaders who are democratically elected by their peers to advocate for student interests, voice concerns, and spearhead initiatives to enhance the overall student experience. The Student Council plays a pivotal role in facilitating communication between students and the administration, organizing events, and fostering a sense of unity and belonging among students.

**Representation in Academic Bodies/Committees:** Students are represented in various academic bodies and committees of the institution to ensure their perspectives and needs are taken into account in decision-making processes. These bodies may include:

Academic Senate/Board

Departmental Committees

Curriculum Review Committees

Library Committees

Student Welfare Committees

Roles and Responsibilities

Training and Support

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/5.3.2.pdf">https://sect.edu.in/pd/5.3.2.pdf</a>

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

6

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

## 5.4 - Alumni Engagement

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

The Alumni Association of an institution serves as a vital link between current students, alumni, and the institution itself. It plays a crucial role in fostering a sense of community, supporting lifelong connections, and contributing to the growth and development of both alumni and the institution. Here's an exploration of the Alumni Association and its significant contributions:

1. Networking Opportunities
2. Mentorship Programs
3. Career Development Support
4. Continued Learning and Education
5. Philanthropic Support
6. Community Engagement
7. Cultural and Social Events
8. Global Alumni Networks

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/5.4.1.pdf">https://sect.edu.in/pd/5.4.1.pdf</a>

<b>5.4.2 - Alumni's financial contribution during the year</b>	<b>A. ₹ 15 Lakhs</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
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>The Institution focuses on the following areas of Governance.</p> <p><b>Teaching and Learning:</b> All the faculties of the institution are encouraged to train in the modern and innovative methods of teaching and motivated to attend various programmes related on pedagogy.</p> <p><b>Examination and Evaluation:</b> The Office of the Controller of Examinations executed for processing the Examinations and Evaluation process. Continuous Internal Assessments (Three Internal Assessments) and End Semester (One End Semester) Examinations are conducted to evaluate the progress of the students.</p> <p><b>Research and Development:</b> The college has a separate Research and Development Cell which take up the activities related to Research and Innovation.</p> <p><b>Planning and Development:</b> The college has a separate Planning and Development Cell which take up the initiatives and activities related to renovation of building and other infrastructure of the institution. The committee is headed by the Dean-P&amp;D. Library, ICT and Physical Infrastructure / Instrumentation: The college boast a well-stocked and semi- automated central library with college and Department wise division to ensure easy, quick and efficient access to desired data.</p> <p><b>Human Resource Management:</b> The management assess adequate human power requirement. Recruitment and Selection of the faculty members are based on the guidelines provided by AICTE, New Delhi and Anna University, Chennai. Regular feedback and suggestions from the faculty members are obtained for the development of Human</p>	

**Resource Management.**

**Industry Interaction / Collaboration:** Various MoU's are signed for the academic development and students' professional growth. Industry Interaction is integrated for all UG and PG Programmes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/6.1.1.pdf">https://sect.edu.in/pd/6.1.1.pdf</a>

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

**Decentralization:**

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

Case study : -

**Curriculum Development**

Academic freedom has been given to the department with respect to curriculum development and enrichment. HoDs are given powers to take independent decisions regarding all academic matters right from curriculum design, syllabus formation and Teaching - Learning and evaluation processes. Faculty members are empowered to revise the course contents, but limited to one or two modules, after obtained the necessary approval from the Chairman, BOS, which would be ratified by the next meeting of the Board of Studies.

**Time Table Management:**

Time Table committee is approved by Principal is headed by overall Time Table Coordinator. The Committee consists of overall Time Table Coordinator and Department wise Time Table coordinators. Time Table meeting is convened by the coordinator before the commencement of every semester and Department coordinators prepare the time table for each class as per the subject allocation by the Department concerned. Programme wise overall time table also

prepared by them.

Outcome: The institute has a decentralized mechanism for necessary decision making and active participation of all the stake holders. Institute encourages teachers, students, parents, corporate resource persons, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions which are in line with our institute's Vision and Mission

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pdf/Stragetic%20plan%20Deployment%20Document.pdf">https://sect.edu.in/pdf/Stragetic%20plan%20Deployment%20Document.pdf</a>

## 6.2 - Strategy Development and Deployment

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

### Strategic Plan

Strategic Plan 2020-2025 identifies the following broad targets:

- To emerge as a Premier institution, among peers, to offer various programs on cutting edge technologies
- Strengthen Research and Development activities and emerge as a creator of new and innovative projects that cater to the needs of society
- Produce successful startups to generate employability
- Launch trending courses to meet out the societal needs
- Provide an amicable work culture in the institute for retention of staff members
- Create sources for internal revenue generation
- Get NBA accreditation for eligible courses
- To achieve "Deemed to be University" status within 10 Year duration.
- Mobilization of funds and projects through the alumni and

other stake holders

- Imparting in-depth knowledge by providing proper training in advanced technologies.
- Develop online courses
- To Increase the number of Faculty members with Ph.D qualification.
- Renovation of physical and IT Infrastructure and upgrade Contemporary Labs, Research Lab, Examination Management Information System E-MIS), ICT tools,
- Two research publications per faculty per year, and at least 50% of the said publications be indexed in SCOPUS, WOS.
- Exposing the students to enhance their skills for industrial environments.

#### Deployment of Strategic Plan

- NAAC Accreditation with A+ Grade
- NBA Accreditation for eligible programmes
- To increase the no. of Faculty with PhD qualification.
- Renovate infrastructure facilities and support systems
- Introduce new programmes on current trend domains
- Improve the teaching learning process
- Conduction of training and value added courses
- Empower the EDC and WEC

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pdf/Stragetie%20plan%20Deployment%20Document.pdf">https://sect.edu.in/pdf/Stragetie%20plan%20Deployment%20Document.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The Institution has various committees and all the committees are effectively functioning to meet out its objective and to satisfaction of all the stakeholders. The effective functioning of the committee is monitored by the committee chairman. Our Institution has getting tremendous benefit that has been reflected in other metrics. The various institutional level committees formed for smooth functioning are listed below

### Statutory Committee

- Governing Body Committee
- Academic Council Committee
- Board of Studies Committee
- Finance Committee

### Non - Statutory Committee

- Planning and Evaluation Committee
- Grievance Redressal Committee
- Examination Committee
- Admission Committee
- Library Committee
- Student Welfare Committee
- Anti-Sexual Harassment Committee
- Extra - Curricular Activities Committee
- Academic Committee
- Academic Steering Committee
- Academic Audit Committee
- Research Committee
- Ethics Committee
- Anti-Ragging Committee

### The Functions of various Bodies

The Finance -Committee, the Buildings-Committee and the Hostel Committee take important decisions regarding finance, building construction, renovation and maintenance and issues related to the college hostel. There is also the Teachers' Council and the Association of the Non-teaching staff.

### Service Rules, Procedures, Recruitment and Promotion Policies

Service rules and procedures are guided by the Anna University First Statutes (latest edition), the Constitution of the college and the rules of the State Government as amended from time to time in this regard.

The recruitment rules for the teaching staff are as per the norms along with the eligibility criteria prescribed by the UGC; that for the non-teaching satisfies as per norms.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://sect.edu.in/pd/ORGANOGRAM.pdf">https://sect.edu.in/pd/ORGANOGRAM.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/6.2.2.pdf">https://sect.edu.in/pd/6.2.2.pdf</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

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

### Welfare measures for Teaching Staff:

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



**Welfare measures for Non-Teaching Staff:**

- Membership of Group Insurance
- Sengunthar Employees Welfare Fund
- Festival advance.
- Festival bonus.
- Prompt facilitation of Provident Fund loans.
- Help with facilitation of bank loans.
- Crash Course in Computer Basics for Supporting Staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/6.3.1.pdf">https://sect.edu.in/pd/6.3.1.pdf</a>

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

123

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

13

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

**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation /**

**Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

120

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

**6.4 - Financial Management and Resource Mobilization**

## 6.4.1 - Institution conducts internal and external financial audits regularly

Sengunthar Engineering College has an effective mechanism for Internal and External Audit. The accounts of the Institution are audited by chartered accountants regularly as per the Government rules. Whenever there are additional expenses over and above the budget proposals, special sanction is to be taken from the approval authority of the management.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

1. College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses.
2. The expenses will be monitored by the accounts department as per the budget allocated by the management.

**Internal Audit:**

The Institution has a finance committee and appointed a qualified Auditor and also forms a team of staff under them to do a methodical verification on a periodic basis. The purpose of internal audit is to provide an objective source of information to the management with a view to efficient conduct of activities of the institution, safeguarding assets, preventing and detecting fraud and other unlawful acts, completeness & accuracy of financial records and timely preparation of financial statements.

**External Audit:**

The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/6.4.1.pdf">https://sect.edu.in/pd/6.4.1.pdf</a>

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

0

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

Sengunthar Engineering College mobilizes its funds received mainly from students as fees. Apart from students' fees, the funds are collected from other sources also.

Sources of funds are as follows:

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

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

Funds generated from above are principally used for the maintenance and development of the institution. The trust body of the institution provides space on a lease basis to facilitate: various commercial utility services to the students, faculty members, and officials of the institution from Karur Vysya Bank.

Optimal utilization of resources:

1. Sufficient funds are allocated for effective teaching-learning practices that include training programs, orientation programs, workshops, and interdisciplinary activities.
2. Budget is utilized to meet day-to-day operational and administrative expenses and maintenance of fixed assets.
3. Necessary funds are utilized every year towards the enhancement of library facilities to augment learning facilities.
4. Adequate funds are utilized for the development and maintenance of the infrastructure of the institution.
5. Some funds are utilized for community development and social welfare activities.

The main motto of resource mobilization and utilization of resources is to put the institution on standard with a view to achieve the best quality teaching and unique quality of students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/6.4.3.pdf">https://sect.edu.in/pd/6.4.3.pdf</a>

## 6.5 - Internal Quality Assurance System

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

Internal quality assurance cell (IQAC ) has been established in the institution for initiating quality enhancement scheme. It has been constituted as per the format prescribe by the NAAC and meetings are held periodically. Quality assurance strategy and processes are being discussed and subsequently review by IQAC cell

has initiated various measures though it is in the first cycle of NAAC accreditation .

IQAC is one of the major policy making and implementing unit in our college. It strives hard for upgrading the college infrastructure and all support facilities to meet the standards of higher education and growing need of students. It assesses and suggests the parameters of improve the quality education.

The initiatives under taken are,

- Ranking
- Participation in NIRF
- Preparation of MoU
- Constituting Various committees
- Initiating EDC -IIC Programs
- Feedback collection from students, faculty and alumni
- Review of teaching learning process
- AAA Audit
- Internal audit

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/6.5.1.pdf">https://sect.edu.in/pd/6.5.1.pdf</a>

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

IQAC being the central body within the college monitors and review the teaching-learning process regularly. Institutional strategic plan and activities are followed for the attainment. The feedback received from various stake holders. Based on feedback various innovative activities and reforms were introduced. The improvements based on feedback implemented are: IQAC periodically reviews the teaching-learning process, structures & methodologies of operations, and learning outcomes: The standard methods of teaching, learning, and evaluation which are proven over the years are being followed. After establishing the IQAC in the college, started working towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows: 1. Promote industrial involvement in academic practices by organizing

industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc. 2. Implementation of Outcome-based learning education in each program. 3. Introduces the aptitude classes and soft skill classes for students to enhance personality and employability. 4. Participation of college in NIRF, ARIIA, AISHE, and various other quality audits recognized by the state, national and international agencies. 5. Establishment of Institute Innovation Council (IIC) under MHRD. 6. Establishing Research and Development cell to promote Research and Development activities. 7. Conducting quality programs i.e., seminars, webinars, FDPs, conferences, etc. 8. Establishment of various processes to take feedback/surveys from various stakeholders. 9. To implement and enhance the use of ICT tools to strengthen the teaching-learning process.

10. Establishment of the Tutor-Ward process and its effective implementation.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sect.edu.in/pd/6.5.2.pdf">https://sect.edu.in/pd/6.5.2.pdf</a>

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://sect.edu.in/pdf/Annual%20Report%202022-2023.pdf">https://sect.edu.in/pdf/Annual%20Report%202022-2023.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Gender equity, defined as fair treatment for individuals of all genders based on their respective needs, rights, benefits, and opportunities, is a core principle upheld by our educational institution. In staff recruitment, both teaching and non-teaching positions prioritize diversity and inclusivity, ensuring equal consideration for all candidates. Maternity leave entitlement for women employees reflects the institution's recognition of their specific needs. Moreover, faculty achievements are acknowledged without bias, with women faculty members nominated for leadership roles based solely on merit. This approach underscores the institution's commitment to leveraging the capabilities of all staff members equally.

Specialized units like the National Service Scheme (NSS) and the National Cadet Corps (NCC) actively involve female students, offering opportunities for community service and participation in various events. Female students are encouraged to engage in a diverse range of activities, from technical symposiums to sports and cultural celebrations, promoting equal access to campus life.

Support systems such as the Women Empowerment Cell, Grievance Redressal Cell, and Sexual Harassment Cell are in place to address and resolve issues related to women's well-being. The presence of women's helpline numbers across campus emphasizes the institution's dedication to providing a safe and supportive environment for all members.

In summary, our institution not only prioritizes gender equity in staff recruitment and support for women employees but also actively fosters equal opportunities for female students in academic and extracurricular activities, reflecting our commitment to a gender-inclusive educational environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sect.edu.in/pd/7.1.1.pdf">https://sect.edu.in/pd/7.1.1.pdf</a>

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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)

Sengunthar Engineering College is dedicated to achieving "zero waste" and minimizing its environmental footprint through the principles of "reduce, reuse, and recycle." A comprehensive waste management institution is vital for managing both degradable and non-degradable waste efficiently. Organic waste, like food scraps, can be composted to enrich soil and produce biogas for energy. Non-degradable waste, such as plastics and metals, requires advanced recycling facilities to reduce environmental impact. Sorting technologies and partnerships with industries for responsible disposal of hazardous waste are crucial. Public awareness campaigns and strict regulations on illegal dumping will encourage waste reduction and proper disposal. Continuous research into innovative waste management technologies ensures adaptability to evolving challenges. By fostering an environmentally responsible culture, the institution can lead towards a cleaner and more sustainable future.

- Solid waste management



- E-waste management
- Waste water recycling system

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

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

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

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

7.1.6 - Quality audits on environment and energy undertaken by the institution	
<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
File Description	Documents
<p>Reports on environment and energy audits submitted by the auditing agency</p>	<p><a href="#">View File</a></p>
<p>Certification by the auditing agency</p>	<p><a href="#">View File</a></p>
<p>Certificates of the awards received</p>	<p><a href="#">View File</a></p>
<p>Any other relevant information</p>	<p><a href="#">View File</a></p>
<p><b>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.</b></p>	<p><b>A. Any 4 or all of the above</b></p>

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

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

We celebrate diversity at our college, where students respect various religions, languages, and cultures. Our college is akin to a second home, where faculty members are regarded as family. Festivals are occasions for us to come together, exchange greetings, and share in cultural feasts, fostering understanding and harmony among different communities. Our students actively participate in celebrations, which further strengthens social and religious harmony. India's diversity is unparalleled, with its vast landscape and rich cultural tapestry. It's a melting pot of languages, religions, and traditions. To showcase this diversity, we organize competitions during our annual day, providing students with opportunities to learn about different cultures across the nation. This fosters tolerance, understanding, and appreciation for cultural, regional, linguistic, and socio-economic differences, creating an inclusive environment within the college and society. Students from various regional and cultural backgrounds participate in such programs and present their regional or cultural folk songs and dances. These cultural events are organized at different levels - departments, hostels, and college- and on different occasions like Independence Day, Republic Day, etc. The institution has provided a vast environment for students to expose their inborn talents in cultural events. To improve students' mental and concentration levels our college engages them in sports activities regularly.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

Sengunthar Engineering College has organised many activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. Every year, on Republic day and Independence Day, Director Sir appeals to all to remember the struggle of freedom and respect the National Flag and National Anthem. Our constitution provides for human dignity, equality, social justice, human rights and freedom, rule of law, equity and respect and superiority of constitution in the national life. Institution takes pride in launching the Plantation Programme wherein in the focus does not stop with the sound academic foundation of the student community but it moves a step forward to develop them as better citizens of the country. In this regard, the institute, apart from imparting professional legal education, inculcates a feeling of oneness among the student community through various practices and programs organized by NSS, NCC & YRC such as Free Blood donation camp, clean safe India, Ek bharrath shreshth bharrath camp, Leprosy awareness and screening programme. Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland. The Green Initiative aims the competitiveness in the environmental space to allow the ability to go neutral on Greenhouse Gas emissions. The College ensures that the students participate very enthusiastically in all such activities.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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**

**A. All of the above**

**staff Annual awareness programmes on the Code of Conduct are organized**

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

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

Senunthar Engineering College has actively participated in commemorating a myriad of National and International days, events, and festivals throughout the academic year from June 1, 2022, to May 31, 2023. The college's commitment to social responsibility and awareness is evident through its diverse range of celebrations.

Various significant days were observed with great enthusiasm and participation from students and faculty alike. From raising awareness about wildlife conservation on World Wildlife Day to promoting health initiatives such as the World Pneumonia Day and organizing a Blood Donation Camp, the college has consistently fostered a culture of giving back to society.

Additionally, events like Tree Plantation and Drug Awareness Rally underscore the institution's dedication to environmental sustainability and promoting healthy lifestyles. National observances such as Independence Day, Republic Day, and National Youth Day were marked with patriotic fervour and pride.

Moreover, the college emphasized the importance of education and scientific advancements by commemorating events like National Education Day, National Science Day, and International Day of Women and Girls in Science.

Through these initiatives, Sengunthar Engineering College continues to instill values of civic responsibility, environmental consciousness, and social awareness among its students,

contributing positively to both the campus community and society at large.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

Our college has actively been involved in the holistic approach towards Employability through the design and implementation of Honours and Minor Degrees across different engineering streams, and offering, Value Added Courses, Soft Skills and Life Skills and Advancement Courses for the students to become technocrats, business leaders and entrepreneurs. All the departments' Students are having chance to earn Honours and Minor Degrees and all the departments have been conducting value-added courses in their respective domains. In addition to that, Soft skills and Life skills teach communication skills, teamwork, adaptability, problem-solving, leadership, time management, and emotional intelligence, Advancement Courses provide an opportunity for students to start their professional journey well in advance. The minor degrees improve admissions in core disciplines and introducing Honours degrees motivate students to specialize in the area of their interest and they gain specialized knowledge and skills in emerging technologies and cutting-edge areas of engineering. Value-added courses and soft skills are now considered to be of primary importance for students' learning outcomes. These courses help the students in their employability and their skill-oriented profession. The following are the educational objectives and expected outcomes of this best practice are:

? To expose students to industry culture and practices ? To prepare students for industry readiness. ? To develop the interdisciplinary skills of the students ? To increase network with peers to observe and learn more.

File Description	Documents
Best practices in the Institutional website	<a href="https://sect.edu.in/pdf/BEST%20PRACTICES-04292024165053.pdf">https://sect.edu.in/pdf/BEST%20PRACTICES-04292024165053.pdf</a>
Any other relevant information	<a href="https://sect.edu.in/pd/7.2.pdf">https://sect.edu.in/pd/7.2.pdf</a>

### 7.3 - Institutional Distinctiveness

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

The college's mission and vision statements reflect its dedication to imparting technical education while nurturing ethical values and leadership qualities among students. Sengunthar Engineering College strives to produce competent engineers capable of addressing global challenges by promoting innovation, research, and industry-academia collaboration. The Vision and mission of the Institution are all oriented towards the holistic development of the student, which is evident that the organization has successfully fulfilled two decades of invaluable service to the betterment of rural communities, demonstrating dedicated commitment to their welfare is its distinctiveness.

File Description	Documents
Appropriate link in the institutional website	<a href="https://sect.edu.in/pd/7.3.1.pdf">https://sect.edu.in/pd/7.3.1.pdf</a>
Any other relevant information	<a href="#">View File</a>

7.3.2 - Plan of action for the next academic year

- To emerge as a Premier institution, among peers, to offer various programs on cutting edge technologies.
- Strengthen Research and Development activities and emerge as a creator of new and innovative projects that cater to the needs of society.
- Produce successful startups to generate employability through our Skill Development Centre.
- Intensify Alumni involvement in all aspects of institute

development.

- Provide an amicable work culture in the institute for retention of staff members.
- Applying for grants from government and private sources.
- Create sources for internal revenue generation.
- To receive recognition through accreditations (NAAC "A++" Grade) and sustain in the top 100 NIRF Ranking.
- Achievement of recognition from national and international organizations in the form of grants and awards.
- Mobilization of funds and projects through the alumni and other stake holders.
- Imparting in-depth knowledge by providing proper training in advanced technologies.
- To Increase the number of Faculty members with Ph.D qualification.
- Renovation of physical and IT Infrastructure and upgrade Contemporary Labs, Research Lab, Examination Management Information System (E-MIS), ICT tools.
- To increase research publications among the staff and students.
- Commitment for personality development of students through training on ethical values.