YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	St. Xavier's Catholic College of Engineering
• Name of the Head of the institution	Dr. J. Maheswaran
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04652232560
• Mobile no	9842799973
• Registered e-mail	info@sxcce.edu.in
• Alternate e-mail	iqac@sxcce.edu.in
• Address	Chunkankadai
• City/Town	Nagercoil
• State/UT	TamilNadu
• Pin Code	629003
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the Affiliating University	**Anna University, Chennai**
• Name of the IQAC Coordinator	**Dr. J. Annrose**
• Phone No.	**04652232560**
• Alternate phone No.	**04652237361**
• Mobile	**9487172539**
• IQAC e-mail address	**iqac@sxcce.edu.in**
• Alternate Email address	**info@sxcce.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.sxcce.edu.in/wp-content/uploads/2022/03/AQAR-2020-2021.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.sxcce.edu.in/wp-content/uploads/2022/05/Academic_Calendar_2021-2022.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.02**	**2017**	**12/09/2017**	**11/09/2022**
Cycle 2	**A**	**3.02**	**2022**	**12/09/2022**	**31/12/2027**

6.Date of Establishment of IQAC	**29/08/2016**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. C. Seldev Christopher	**Technology Development**	**DST**	**2020 730**	**1794303**

8.Whether composition of IQAC as per latest	**Yes**

NAAC guidelines		
• Upload latest notification of formation of IQAC	View File	
9.No. of IQAC meetings held during the year	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

11.Significant contributions made by IQAC during the current year (maximum five bullets)
NBA accredited the UG programs Civil Engineering, Computer Science Engineering and Information Technology for a period of three years from 2021- 2022 to 2023-2024 on 01-07-2021.
Performance appraisal for the academic year 2020-2021 was collected and analysed on 12-11-2021.
Training on 'Bloom's Cognitive level-based Question Bank' framing and verification was given to the department IQAC members on 21-02-2022.
NBA compliance report for further accreditation for the three UG programs Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering were submitted to NBA on 12-02-2022. On May 13th and May 16th , 2022, an internal mock NBA audit was conducted to verify compliance data in preparation for compliance inspection.
Academic audits (course files, attendance and assessment record, and laboratory audits) were conducted twice in the year. Autonomous inspection was held during the month of March 2022 by five UGC experts and in May 2022, the UGC conferred the fresh autonomous status to our institution for a period of ten years.

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

Plan of Action	Achievements/Outcomes
To enhance the entrepreneurship, innovation and startup culture, all the faculty members are asked to complete an online course related to this topic	137 faculty members have completed online course on Entrepreneurship and Startup.
Every department should conduct at least one value added course of minimum 30 period duration for every student in an academic year.	25 value added certification courses have conducted,1570 students were enrolled and 794 students were successfully completed.
To enhance the ability of experiential learning, every student undergoes Mini Project, Field Project and Internship, preferably one in an academic year starting from first year to pre-final year.	All the III-year students completed mini project. 41 students from civil department undergone in plant training. Around 270 students have undergone internship.
To improve the student progression, graduation rate be greater than or equal to 90%.	Overall graduation rate of the 2021 batch is 96.64 %.
To inculcate the research culture, each department applies for at least 2 major projects from funding agencies.	6 major and 3 minor projects have applied with funding agencies.
Departments take steps to start centre of excellence. At least two departments start centre of excellence.	Mechanical and EEE department planned and taken initiatives to start Energy related Centre of Excellence.
To improve the startup and innovation, at least five incubates utilize the college incubation centre.	Incubation centre has started, and 5 innovative ideas have submitted with MSME.
To promote higher studies, motivation and guidance for GATE be strengthened starting from first year.	71 students registered for GATE 2022.

Departments take steps to start consultancy work and generate income.	Through consultancy work, Mechanical department earned Rs. 5000/- and through testing Civil department generated income of about Rs.302360 /-.

13.Whether the AQAR was placed before statutory body?	**Yes**

- Name of the statutory body

Name	Date of meeting(s)
Academic Administrative Meeting	12/12/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020	05/02/2020

15.Multidisciplinary / interdisciplinary

- Our institution's vision is to develop a technically-empowered humane society by imparting intellectual, social, physical, emotional, and moral values in an integrated manner toward optimal holistic human development.
- Our curriculum offers Humanities Science courses like English, Professional Ethics, Total Quality Management, Principles of Management, etc. which have been integrated with the STEM category of courses like Basic Sciences, Engineering Science, Employability Enhancement, Professional Core, and other disciplinary electives courses which enhances creativity and innovation, critical thinking and higher- thinking capacity, problem-solving abilities, teamwork, communication, leadership, etc.
- We have academic flexibility to propose modifications in the curriculum based on the recommendation of the Board of Studies and approval by the autonomous academic council.
- In the proposed autonomous curriculum we have Universal Human Values1, Universal Human Values2 and Value based Eduaction on the following topics "My Life and My Place in the Universe', 'My Life and the Other', 'My Life is My Responsibility', 'Understanding My Education and Developing Maturity', 'Understanding the Society and Becoming a Leader', 'Practicing

Leadership for Social Change', 'Balancing Professional', 'Personal, Family for Fullness of Life', 'Innovative Social Commitment', 'Spirituality', and Social Networking' to improve the realization of the values of every student.

- Our institution encourages staff and students to undertake at least one local field trip per semester to identify the problems and difficulties that may be solved with the technologies in order to determine the technological demands of our Kanyakumari district. The institutional research project scrutiny committee also suggested signing memorandums of understanding with regional businesses, farmers, retailers, etc.

- Our institution imparting interdepartmental seminars, workshop, fdps, conferences to enhance interdisciplinary research and encourage students to do interdisciplinary projects.

- Our staff and students are doing interdisciplinary research and publish articles in journals and conferences.

16.Academic bank of credits (ABC):

- Our institution had registered in NAD(National Academic Depository) and we are eligible to register in the Academic bank of Credits. We will proceed with the process of registration after receiving the instructions from the University.

- Our students can take up swayam MOOC courses for credit transfer and the provisions are available in the curriculum and regulation(R2021- Anna University regulations). Also, our faculty and students have taken coursera courses through 'Coursera Basic Campus Plan'. Hence, our institution has taken initiative and supported the internationalization of education.

- To prepare our institution towards an autonomous institution, every faculty has the flexibility to design the curricular, pedagogical tools, materials, and assessment methods based on the guidelines and framework. To make it effective, the institution promotes and conducts staff empowerment programs related to effective curriculum design and implementation.

17.Skill development:

Through placement cell, we are organizing trainings from 3rd semester to 7th semester. In the 3rd sem & 4 th sem four exclusive hours per week is dedicated for student's skills development.

- This contains two hours of coding training in C, C++ company

specific trainings.

- The other two hours for soft skills training which covers Effective Communication, Self-evaluation / self-awareness – Goal setting and positive thinking – Self-esteem and confidence – Public speaking – Extempore – Body language and Observation skills.

For third year students, four hours per week skills development training is provided which includes two hours each for coding and soft skills in the 5th semester and two hours of coding and quantitative aptitude in 6th semester.

- Coding skills cover C++, Java and company specific training.
- Soft skills include Time management, Emotional Quotient, Stress management Values of life, Behavioural attitudes, and Employer's expectations, interview skills, resume building and enhancement.
- Quantitative aptitude and logical reasoning sessions in VIth semester cover Numbers, Time & Work, Ratio & Proportions, Analogy - Blood Relations/Family Tree – Calendar – Clocks, Images (Mirror & Water) - Coding-Decoding - Cubes and Dices - Data Sufficiency

In final year (VII semester) 4 hours per week skills development sessions is provided to the students which comprises 2 hours coding and 2 hours of quantitative aptitude skills training. Both these training includes company specific training for companies like Google, Microsoft, Zoho, TCS, Infosys, Cognizant etc.
Regular assessments were conducted, and student's progress were assessed systematically.
Students are segregated based on their level of competency in quantitative aptitude, communication skills and trained separately.
Students are continuously observed and provided systematic report on the progress or quality of student competency in employable skills.
A Competition, named "TechMindz" in Verbal ability, Coding skills and Quantitative Aptitude is conducted for students of all four years both in odd Sem and in even Sem. Student are awarded with cash prizes and certificates.
Regular placement interactive sessions by HR experts from multi-national companies/start-up corporates were conducted to the students with emphasis on the expectations of employers from fresh graduates.

To impart current industrial skills and to prepare industry readyness, company specific certification courses were conducted by the certified trainers and industry experts.

To develop humanistic, ethical, human values of truth , righteous conduct , peace, love, nonviolence, and life-skills, we have 15 hours per semester value based education with the detailed syllabus and guidelines.

With the help of government of TamilNadu and ICT Academy we have credit based skill development courses in the current semester. In the new autonomous curriculum, we planned for credit based skill training courses based on the choice of the students.

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

As the medium of instruction is English, we teach in English language. In remedial teaching and coaching classes we use vernaculars based on the request of the learners. In the PG 2022 curriculum and syllabus we have included an Audit Course on "Natamil Illakiyam" in the Tamil regional language.

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

- To prepare ourselves towards autonomous inspection, our faculty members have designed the new curriculum and syllabi toward learner-centric approach through the curriculum feedback collected from the stakeholders. In the current academic year, one of our strategic plans is to enrich our staff members in OBE-based curriculum design and implementation. Our Dean- Academics identified online courses and planned to conduct FDPs on OBE-based curriculum design and motivated all the faculty members to complete the course. Also, our management is very keen to add the courses to the curriculum that enhance students' knowledge, skill, and attitude in order to better prepare them for the workforce, cutting-edge technology, and providing technical support to societal needs.

- Our faculty members set specific learning objectives and aligned them with the teaching, learning, and evaluation activities while adhering to the Regulation-2021 curriculum and syllabus provided by our parent university. The course experts refine the course outcome based on Bloom's cognitive taxonomy level. In the course delivery plan, they can define the pedagogical model, teaching methods and materials, continuous assessment methods, etc. to improve high-order thinking and problem-solving ability. These course outcomes are verified by the department IQAC coordinator and the entire

course file is verified by the head of the department. Also, the IQAC has given training to all the faculty members about OBE-based classroom teaching and learner-centric activities. It should keep at least 60% of the internal assessment exam content, and assignment questions should be at a higher-order level, according to the standards and method provided by IQAC.Through these continuous assessment tools direct attainment of COs, POs, and PSOs will be calculated, and through indirect assessment tools like course exit surveys and feedback indirect attainment will be determined. With this assessment, we could able to evaluate the cognitive outcome of each student.

- E- question bank preparation and verification based on Bloom's cognitive level has been practiced. According to the instructions provided by the IQAC, each course's instructor prepares the questions and uploads them to the college automation programme. The department's IQAC coordinator reviews the questions and accepts them if there are no problems; otherwise, they are sent back for revisions.

20.Distance education/online education:

To promote online education, our faculty members are encouraged to deliver video lectures in socia media and virtual classrooms. We have planned to establish audio-video recording centre for effective e-content development and lecture capturing system.

Extended Profile

1.Programme

1.1   **607**

Number of courses offered by the institution across all programs
during the year

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **1978**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2   **245**

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

File Description	Documents
Data Template	View File

2.3   **525**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1   **154**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2   **8**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	607

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	1978

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	245

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	525

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	154

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	8

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	73
4.2 Total expenditure excluding salary during the year (INR in lakhs)	497.01258
4.3 Total number of computers on campus for academic purposes	1031

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Academic calendar is prepared by the Principal and Dean Academics by consulting all the HODs based on the University academic schedule.

During department meetings, the HODs allot courses based on faculty expertise and willingness.

Course in-charge prepares course file in two parts and it is verified by the Assistant HODswith the format and guidelines provided by IQAC. Part I includes College and DepartmentQuality Statements,PEO, PO, PSO,Course Description, Objectives, Outcomes, PEO-Mission, CO-PO and CO-PSO Mapping, Syllabus, Content beyond Syllabus, Additional References, Concept Map, Scheme of Evaluation, Course Plan,Target, Delivery Plan, Schedule of Instruction, Semester Plan,Time Table, Question Papers and Notes. Part II contains Second and Third Class Committee Report with Performance and Feedback Reports, Internal Assessment Question

Papers with Answer Keys and Sample Scripts, Sample Assignments with Mapping to Outcomes, Materials/Documents submitted by Students in Support of Skill Development, Participatory Learning, Self-Learning and Innovative Schemes, Notes and Slides,Syllabus Feedback , Course Exit Survey, Outcome Attainment, Observations and Action Plans.

Curriculum delivery is monitored by Principal, Dean-Academics and HODs.

During academic audit an expert team reviews the documentsat the end of the semesteras per the instructions provided by the DeanAcademics,

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The college prepares handbook which consist of the academic calendar.

The academic calendar is prepared by the Principal and Dean Academics in discussion with HODs and in line with the schedule released by the university and it is distributed among staff members for course plan preparation and the calendar is uploaded in the college website so that the stakeholders can refer it.

The handbook is distributed to students and staff members.

The academic calendar consists of working days and academic activities like class test, Internal Assessment Test and University exam.

The handbook consists of information about the college, college vision and mission, administration, governing body, members of staff, rules and regulations, general regulations, facilities in the college, service bodies, professional bodies, non-professional bodies functioning in the college, details of different scholarship schemes, key aspects of Anna University regulations, academic schedule and intercom numbers.

The academic schedule provides details about reopening, holidays, examinations, department association activities and other various co-curricular and extracurricular activities.

The college Strictly adhere the schedule given in academic calendar.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/05/Academic_Calendar_2021-2022.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

18

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

25

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1570

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The mandatory course GE8291-Environmental Science and Engineering is included for all UG Engineering Students. Our UG students opted for open elective courses like OCE551- Air Pollution and Control Engineering and OCY751- Waste Water Treatment to get an awareness of an eco-friendly environment.

UG Engineering students were chosen an elective courseGE8076-Professional Ethics in Engineering. MC5006-Professional Ethics and MC5035- Professional Ethics in IT elective courses were chosen by MCA students to create awareness of Engineering Ethics and Human Values, to instill Moral Values, Social Values, and Loyalty, and to appreciate the rights of others.

The institution provides value education courses VE101-My Life and My Place in the Universe, VE201-My Life and the Other, VE301 My Life is My Responsibility, VE401-Understanding My Education and Developing Maturity, VE501-Understanding the Society and Becoming a Leader, VE601-Practicing Leadership for Social Change, VE701-Balancing Professional, Personal, Family for Fullness of Life, VE801-Innovative Social Commitment, Spirituality and Social Networking for all UG engineering students.

Women's cell promotes gender equality among students through seminars, and workshops and also deals with safety and security issues for female students.

The grievance cell deals with the complaints related to any gender-based issues of women in the college if any.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

31

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

835

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	https://www.sxcce.edu.in/wp-content/uploads/2022/10/Feedback-on-Curriculum.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	https://www.sxcce.edu.in/wp-content/uploads/2022/10/Student-Feedback-2021-2022.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

613

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

106

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The advanced learners and slow learners are identified through the past history of arrears and performance in unit tests.

The identified slow learners are given more attention by the course in-charges.

The performance of slow learners is improved by giving more attention in the classroom.

Coaching classes are conducted for slow learners to guide them to improve their results.

Mentors meet and motivate the students to improve their academic performance.

Meeting with parents of students is conducted once every semester to identify the difficulties faced by their wards and to motivate them to improve their results.

The performances of the advanced learners are improved by motivation and by conducting training programs for placement.

Placement training programs are conducted to improve their skills on aptitude tests and Group discussions to get placement in companies.

Identified bright students are motivated by the class coordinators and mentors to obtain University Ranks.

Advanced learners are motivated by giving prizes and awards.

Best Student Awards are given to the final year students based on the performance of the student in the curricular and co-curricular activities.

Students are motivated to write exams like GATE to pursue their higher studies.

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

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1978	154

File Description	Documents
Any additional information	[View File](#)

2.3 - Teaching- Learning Process

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

In order to improve the teaching and learning process various instructional methods and pedagogical initiatives are followed by the faculty members.

To keep students engaged in the classroom, faculty takes efforts to conduct expert lectures, workshops, seminars, and student presentations.

Assignments are given to the students to promote self-learning.

Students submit five assignments that cover the course outcomes.

Students are motivated for doing effective project work by conducting project orientation programs and project competitions.

The students are encouraged to take up internship programs during their semester break. Faculty members give their guidelines, suggestions, scope, and contact details of industries to help the students to select their internship opportunities.

They also help the students by interacting with industry experts, to get recommendation letters and other necessary support through the HOD and the Principal.

The alumni coordinator constantly interacts with alumni who are working in the industries and requests them to provide the necessary guidelines and support for their junior internship.

Training in industries, survey camps, mini projects, etc helps to improve the learning of students.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/11/Projects-2021-2022.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The classrooms are provided with LCD projectors for Multimedia presentations, Animation, and Video presentations.

Internet facility is available for students and faculty members. WiFi facility is available throughout the campus.

Faculty members use Learning Management Systems like Google Classroom for teaching learning and assessment.

Online classes are conducted using Google Meet.

Course plans, course materials, question banks, and other learning materials are shared with students through college automation software and LMSs.

Faculty members are taking advantage of sources like National Program on Technology Enhanced Learning (NPTEL), and internet sources for effective teaching.

To improve the teaching ability, the faculty is facilitated to access books and e-resources like IEEE, IET, SPRINGER, and J-GATE, with a High-speed Wi-Fi Internet facility.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

154

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

71

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

12

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

For theory courses, five unit tests and five assignments are the major assessment strategies used in this academic year.

In addition to the above, seminar, quizzes, discussions, and case studies are also used to assess the student's learning and the attainment of the outcomes.

For practical courses, experiment completion, record and observation maintenance, and model test are the components of the continuous internal evaluation system.

For project work, weekly reports, reviews, and demonstrations are parts of a continuous internal evaluation system.

The question bank is prepared by the course instructors. Questions are tagged with cognitive level and course outcomes and uploaded in the college automation software.

The quality of the question papers of the internal assessment test is verified by IQAC members.

In the Exam Cell, the question paper is automatically generated with the help of softwareby selecting the questions randomly from the question bank.

Test papers are corrected and the marks are entered into the college automation software by the faculty in charge.

The quality of answer script evaluation is verified by assistant HODs for UG and PG coordinators for PG.

Students are able to view their marks in unit tests and assignments through their login account in the college automation software.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.sxcce.edu.in/exam-cell/

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Unit tests are conducted in a centralized manner.

Examination-related circulars are posted in college automation software and circulated to each class.

The question bank is prepared by the course instructors. Questions are tagged with cognitive level and course outcomes and uploaded in the college automation software. In the Exam Cell, the question paper is framed by selecting the questions randomly from the question bank.

The seating arrangement is done by the Exam Cell.

During examinations, every day, HODs monitor the exam halls in their department. Students' grievances, if any, are addressed by the HOD or Exam Cell.

Test papers are corrected and the marks are entered into the college automation software by the faculty members.

Assistant HOD and PG coordinator randomly verifies the evaluated answer scripts, answer key and the marks entered in the college automation software.

Grievances related to answer script evaluation are addressed by the faculty members.

Students can view their marks in class tests, assignments, and internal exams through their login account in the college automation software.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

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

Course-level and programme-level outcomes are defined for all the programmes.

The Programme Educational Objectives, Programme Outcomes and Program Specific Outcomes are published on the department page of the college website, displayed in the corridors of the departments, and available in the course file.

Course files and Lab manuals are prepared by the faculty members. Course files and Lab manuals contain PEO, PO, PSO and Course Outcomes.

Every faculty member, on the first day of their class in a semester, discusses Vision, Mission, PEO, PO, PSO, CO and outcome mappings with the students.

Laboratory course outcomes are displayed in the laboratories.

Course outcomes covered in an internal examination are printed on the question paper.

UG Programme Outcomes are printed in the 2022 wall calendar which is distributed to students, staff members and other stakeholders.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/11/Course-Outcome-2021-22.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

CO, PO and PSO Attainment targets are set before the commencement of each academic year.

Assessment tools to assess the attainment of course outcomes are categorized as direct methods and indirect methods.

Direct methods used to assess CO attainment are; students' performance in unit tests, and assignments.

The indirect method used to assess CO attainment is a course exit survey.

Course outcomes are calculated by giving 80% weightage to the direct assessment and 20% weightage to the indirect assessment.

Programme outcomes and Programme specific outcomes are calculated from CO attainment as the direct assessment with the help of CO-PO mapping and programme exit survey as the indirect assessment.

The attained CO, PO and PSOs are compared with the set attainment targets and appropriate actions are planned to improve the attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	[NIl](NIl)

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

496

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.sxcce.edu.in/wp-content/uploads/2022/09/Annual-Report.pdf

2.7 - Student Satisfaction Survey

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

https://www.sxcce.edu.in/wp-content/uploads/2022/10/Student-Feedback-2021-2022.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

17.94

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

34

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

01

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://dst.gov.in/technology-development

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

- More than 20 scholars have registered for their Ph.D. during the 2021-2022 academic year. Periodic seminars are given by them on their area of research to our students and share the challenges, which motivate students to choose research as their career.
- Cash award has been provided for faculties involved in publications.
- MSME has taken the initiative to commercialize the gasifier in the department.
- Research findings are being transferred to the research community through publications in peer-reviewed journals of reputed publishers with impact factors.
- Opportunities are provided to students to demonstrate their technical skills in "Tech-Fest", an exclusive students program organized every year to share, exhibit, and transfer their knowledge toward research.
- Nearby rural post-matric school students who are eager to

know the current technological innovation are invited to the research labs every year for acquiring hands-on knowledge.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.sxcce.edu.in/iic/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

27

File Description	Documents
Report of the event	[View File](#)
Any additional information	[View File](#)
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

21

File Description	Documents
URL to the research page on HEI website	https://www.sxcce.edu.in/research/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	[View File](#)

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

51

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

9

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The extension is an important activity that contributes to the enhancement of the status and public recognition of a profession and the welfare of society at large.

The objectives of the extension activities are:

- To understand themselves in relation to the community in which they work.
- Identify the needs and problems of the community and involve them in problem-solving.
- Create opportunities for students and faculty to involve in community-based activities.
- Develop in the students a sense of social and civic responsibility.
- To understand the importance of civic engagement and community activism.
- To provide resources and opportunities, which the students

need.

The skills inculcated by the extension activities are

- Inclusive Excellence
- Integrity
- Community Building
- Social commitment
- Equity
- Social justice
- Self-Leadership by communicating with the community effectively.
- Development of ethical behavior by serving the community.
- Developing skills and creating social awareness among the students.
- Manage the best and live an effective life.
- Do services.

The holistic developments are

- Orphanage visit -The home people felt very happy
- Yoga Day -Motivated to be physically and mentally fit.
- Swachh Bharat – Awareness to make India clean.
- COVID-19 Vaccination Camp- Initiation for 100% vaccination.
- Energy challenge – Creating awareness among people to save electrical energy.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/12/7.1.9-Values-and-Responsible-citizens.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

1

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

12

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

126

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

25

File Description	Documents
e-copies of related Document	View File
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

34

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The facilities required for the effective teaching-learning process are more than adequate and they exceed the minimum specified requirements by the various statutory bodies like AICTE,

Anna University, etc., and for the holistic development of students towards creating a technically empowered humane society.

Some of the major facilities which are being used for effective teaching-learning are furnished below:

- Totally 73 classrooms, 46 laboratories, and 5 seminar and conference halls are available.
- Every classroom, seminar hall, and many laboratories has an LCD projector.
- All the classrooms, laboratories, tutorial halls, and seminar halls are Wi-Fi enabled.
- A common computer center with highly configured Internet facilities is accessible to all the staff and students to support academic and research needs.
- All the computers in the institute have internet facilities.
- Faculty members use LMSs and online meet platforms for teaching and learning. 24x7 Wi-Fi facility is open to staff and students on the campus.
- The well-stacked library has a subscription for online resources such as e-Journals, e-Books, Databases, etc., in addition to regular books, journals, magazines, newspapers, etc.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.sxcce.edu.in/computing-facilities/

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

The college is committed to offering resourceful infrastructure for the holistic growth of students. It provides adequate facilities for cultural activities, indoor and outdoor sports as well as other student and faculty support amenities.

- The institution has two well-equipped auditoriums. One is a rock auditorium with a seating capacity of around 500 people. Another one is Bishop Leon Memorial Hall with a seating capacity of around 2000 people. This auditorium is spacious, well-ventilated, and has well-furnished halls. It also provides ample opportunity for the students to exhibit

their talents in cultural activities.
- The institution has indoor stadium facilities for Table Tennis, Chess, Volleyball, and Badminton.
- Available outdoor facilities in the institute are Badminton, Basket Ball, Football, Volleyball, Kabaddi, and Cricket.
- Apart from the above, the institution has an 8000sq.m of size playground.
- The institute has a gymnasium equipped with Treadmills, 4 Multistation Gym Dumbbell sets, etc.
- All the courts, sports, and games equipment are periodically maintained under the supervision of the Physical Director. The institute encourages students to participate in regional, university, national and international level events. Some of our students represented and won major events at different levels.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sxcce.edu.in/sports/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

40

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

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

49.99

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

- **The Central Library plays a vital role in providing resources that enhance the knowledge of the faculty and students. The library is housed in an area of 18000 Sq.m with a seating capacity of 250 users.**
- **The Library is fully automated since 2003 using St. Xavier's Library Automation software. The issue, return and tracking of books are realized through the bar code printed on the books and identity cards of Staff and Students.**
- **Students and staff can search the book availability with the help of OPAC. Using OPAC, users can search the accessibility of books based on the title and author's name from anywhere in the college.**
- **The Library Advisory Committee monitors the smooth working of the library.**
- **E-Publications can be accessed at the library and anywhere on the campus using Wi-Fi.**
- **The institution is a member of the National Digital Library (NDL) which provides federated searching tools to access multiple data bases.**
- **DELNET tool is used for accessing books from various institutions across the country.**

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.sxcce.edu.in/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-	**A. Any 4 or more of the above**

books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

17.48

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

133

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

- **SXCCE has well established IT infrastructure and updates it periodically.**
- **The institution's computing facility is well established**

with the HP ML 150G2 Xeon 3.0HHz Backup server, IBM r X3550 M2/ 2.0Ghz QC Web Server, IBM 8840 3.0Ghz Database Server, IBM Blade server with 4 blades for the file server, license server, NPTEL Video Library, and Ubuntu Software catch purpose. In addition to these existing features, the Lenovo SR530 Xeon 2.1GHz server is added for the purpose of college automation software.

- A Cloud Computing infrastructure with HP Proliant DL385 G7 server as cloud controller configured using open nebula is available for research purposes. Authenticated users can avail this facility anytime anywhere.
- Totally 1031 computers and 61 printers are available for computing purposes and all the computers are protected using Sophos-XG330 firewall. The campus network is connected to a fiber optic network with 510 Mbps speed of 1:1 connectivity.

Well-featured College Automation Software is used with Student, Staff, Library, Placement, Exam Cell, and Accounting modules that facilitate the Student Messaging (SMS) System, Staff Biometric attendance System, and provide the storage of 500 MB for all staff and students. It also provides the features to access more than 2TB of NPTELVideo lectures.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.sxcce.edu.in/computing-facilities/

4.3.2 - Number of Computers

1031

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

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

41.17

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

- **An estate officer takes care of maintenance and up keeps of the infrastructure facilities in the college. The college has skilled manpower for executing maintenance activities across all departments.**
- **Separate budget provision is allocated for the maintenance of academic facilities like laboratories, classrooms, tutorial, conference, and seminar halls.**
- **In addition, the general facilities like sports & games rooms, restrooms, hostels, and landscapes are also maintained with a budget allocated for it.**
- **The electrical equipment such as UPS, Batteries, and Generators are monitored every month. The network functioning and Internet, Intranet, and Wi-Fi facility are supervised and maintained by the network administrator.**
- **Lab technician in each department periodically monitors and maintains the equipment of laboratories. Equipment within**

the warranty period is serviced by the suppliers.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

792

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

201

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://www.sxcce.edu.in/wp-content/uploads/2022/12/Capacity-Building-and-Skills-Enhancement-Initiatives.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1018

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1018

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

289

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

52

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

3

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at unive rsity/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

1. Student's activity is the backbone of the departments, they involve in departmental activities and students related activities.
2. Student council members and representatives take part actively in all academic and co-curricular activities.
3. The student representatives participate in monitoring students of their respective classes and represent themselves in the class committee meeting held periodically.
4. Department associations, professional bodies such as IEEE Education Society, Ensav Club,
5. Robotics Club, IEEE Student Branch, IEEE-WIE, IET, IEI, ISHRAE, SAE, ACM, CSI, ACE, ELECTROS, SEE, BIGITZ, XACA, SHAX, REACH, FACEATP and MEGX and non-professional bodies such as NSS, NCC, YRC, Tamil Mantram, Eco club, Women's Cell, Konverz, Photography Club, Jyothis, etc are available in the college whose activities are organized by the Students.
6. Each association has a student secretary, joint secretary, treasurer, and office bearers guided by the faculty advisor.
7. Students are actively involved in conducting symposiums, conferences, and seminars for which most of the activities are restituted by them.
8. The above activities enhance their communication skills, management skills, leadership skills, teamwork, time management, resource management skills and buildconfidence in each student.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/professional-bodies/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

6

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

St. Xavier's Alumni Association was founded on 3rd April 2005. Later it was registered as a trust.

The deed of trust was executed on 21st July 2017 by Rev. Fr. Dr. M. Maria William, the present patron of the trust, and the government registration number for the Alumni Association is BK4 49/2021.

Current Board of Directors:

Patron: Rev. Fr. Dr. M. Maria William

President: Mr. R. Aspren

Working President: Dr. J. Maheswaran

Vice President: Mr. Deepan Fernandez

Secretary: Mr. S. Frank Stephen

Treasurer: Mr. Rajesh Anpu

The association has Regional Chapters in Nagercoil, Chennai, Bangalore, Kerala, and Europe.

Every year, on 26th December alumnimeet, is arranged.

Around 150 alumni attended the Winter Alumni Meet 2021.

After the Graduation Day program, all the graduates meet in their respective departments and share their views about the college.

Contributions of Alumni to the College:

Alumni working in companies and other institutions are invited to share their experiences and provide placement guidance and software training.

Alumni feedback is collected to plan developmental activities.

Alumni provide financial aids for tuition fee and medical treatment of economically weaker students.

Alumni extend financial help in the name of sponsorship for conferences and alumni association.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/sxcce-alumni-association/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) — D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The institution is governed and administered by the RC Diocese of Kuzhithurai with the governance and administrative setup of Governing Council, Correspondent, Principal, Bursar, Academic Administrative Body, Deans, HODs, Assistant HODs, PG Coordinators, Conveners of Co-curricular and Extracurricular Bodies, Office Superintendent, Estate Officer, Hostel Wardens, etc. The Governing Council situates and scrutinizes all the policies and plans that contribute to the achievement of the vision and mission of the college before giving approval.

The Principal, Deans, and HODs along with faculty members devise strategies for the execution of the policies and plans with vision, mission, quality policy, and values as the basis. The evaluation system always considers the contribution to the achievement of the vision and mission as an important criterion for evaluation of the output and execution of policies and plans overseen by the Principal and the Correspondent.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/vision-mission/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Correspondent briefs Governing Council on the activities of the college every month and gives its comments and suggestions. Principal along with Deans executes the decisions taken and steers the academic, non-academic, student, staff, research, and quality improvement activities. Dean Academics monitors academic and department association activities.Dean Student Affairs monitors the non-academic activities of the Students. Dean Research encourages professional cells activities, research, and MoUs and motivates the faculty to apply and get funded projects. Dean futuristic help students determine and get choices matching their

carrier interest also responsible for IIC, Startup, and Entrepreneurship. Dean systems maintain college automation software and thewebsite. IQAC coordinator coordinates the accreditation and quality-related activities of the institution. HODs along with AHODs and PG Coordinators coordinate the department and student activities in a well-planned manner. PAQIC assesses and evaluates the performance of each program in a department. Cell-in-charges arrange programs for the benefit of the students and staff members. Class committee chairpersons regularly conduct meetings with student representatives and analyze the performance of the class. Class coordinators coordinate the overall student activities of the class.

Mentors act as local guardians and motivate the students. Department association faculty advisors plan and execute department events in an academic year. Formation of Governing Body, Academic Council, Board of Studies, and Finance Committee is underway in view of autonomous status.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/administration/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Every year, IQAC establishes benchmarks and communicates them to faculty members via meetings, emails, and circulars. Achievement status and the action plan have been evaluated in the IQAC meetings every three months.

The following are the results of the Benchmarks for the year 2021-2022

- 137 faculty members have completed online course on Entrepreneurship and Startup.
- 25 value added certification courses havetaken by 1570 students and 792 students successfully completed.
- All the III-year students completed mini project. 41 students from civil department undergone in plant training. Around 270 students have undergone internship.
- Overall graduation rate of the 2021 passed out batch is 96.64%.

- **6 major and 3 minor projects have been applied with funding agencies like DST, SERB etc.**
- **Through consultancy work, Mechanical department earned Rs. 5000/- and through testing Civil department generated income of about Rs.302360 /-.**

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/11/Strategy-Plan-2021-2022.pdf
Upload any additional information	View File

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

The Bishop of the RC Diocese of Kuzhithurai is the chairman of the college. The governing body has 18 members. There are 9 subcommittees; the Finance Committee, Human Resource Committee, Audit Committee, Placement, and Public Relations Committee, Academic Committee, Legal Committee, Construction Committee, Purchase Committee, and Transport Committee. The day-to-day activities of the college are taken care of by the administrative setup consisting of a Correspondent, Principal, Bursar, Deans, IQAC Coordinator, HODs, Physical Education Director, Librarian, Placement Officer, Office Superintendent, Estate Officer, Personal Officer, Verification Officer, System Administrator, transport officer and teaching and non-teaching staff members. Governing Council constitution and function, categories of employees and their responsibilities, and service rules and procedures are provided in the college administrative manual. The grievance Redressal Mechanism is in place to address the grievances of students, staff members, parents, and alumni registered online and offline.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2019/07/SXCCE-Service-Rules.pdf
Link to Organogram of the institution webpage	https://www.sxcce.edu.in/organogram/
Upload any additional information	View File

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

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

A Festival advance of Rs. 5,000/- is given to all staff with an option to repay it in 10 installments.

Marriage leave is provided to all staff for 15 days. Maternity leave is provided for 45 days for all female staff. Medical leave is provided for 30 days to all staff who complete 5 years of service.

Employee Provident Fund, HRA, and medical allowance are provided to all staff. Gratuity is provided to all staff at the time of retirement. Rs.5000/. The cash award is given to the faculty members for producing centum results. Rs.2000/. The cash award is given to the faculty members for publishing papers in reputed journals. Employee state Insurance and Earned leave facilities are provided for non-teaching staff. Staff club is permitted to

function in the college which undertakes financial help to the needy.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2019/07/SXCCE-Service-Rules.pdf
Upload any additional information	View File

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

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

00

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

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

03

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

123

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Effective performance analysis is done every academic year for teaching staff. The performance appraisal form consists of three categories

- **Teaching, Learning, and Evaluation.**
- **Co-Curricular, Extension, and Professional Development**
- **Research and Academic Contributions.**

All faculty members submit the performance-based appraisal system application form to their HOD. The appraisal form was verified by the Department Heads and submitted to IQAC. IQAC verifies the form, consolidates and submits it to the Principal. The consolidated report is submitted to the management. IQAC helps the Principal in preparing individual letters to the faculty members with scores on each category and observation. If time permits, a performance appraisal interview will be conducted. Self-appraisal, Appraisal by the lab-in-charge, and HOD are used occasionally for non-teaching staff members.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college regularly conducts internal and external financial audits. The internal audit is done every month by the Audit Committee of the Governing Council. The external audit is done by Charted Accountants every year. The audit reports are placed before the Governing Council through the Bursar after getting clarifications from the Finance Committee. The audit reports help to Evaluate how the income and expenditures have been planned and spent, so as to fulfill the vision goals, objectives, and plans of each sector of our college. Give suggestions with regard to the accounting system and stock register maintenance and so on, if possible simplifying them with current technologies. Evaluate whether the college gains outcomes that are worthy of its efforts and expenditure, and find the areas where loopholes exist. Give necessary plans for future stability and financial security accounts, taxes, investments, etc.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2022/08/Audit-2021-2022.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

00

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institutional strategies for the mobilization of funds and the optimal utilization of resources

- To provide ethical and accurate information at a nominal cost is the policy of the institution towards consultancy.
- The institution promotes the signing of MoUs with industries related to product development, and process technology.
- The available expertise in the institution is publicized through the college website and newsletters
- The institution permits the use of infrastructure facilities for consultancy.
- On-duty leave is provided for faculty involved in consultancy.
- The honorarium is given to faculty members involved in consultancy.
- The institution gives weightage for consultancy work in assessing the faculty based on the Academic Performance Indicator

- **40% of the revenue generated through consultancy is shared with the faculty members who are involved in consultancy. The remaining 60%is used by the institution for upgrading and calibrating the equipment.**
- **Through funded projects, Sponsorships, endowments, and Infrastructural charges from external examinations (Government or Companies).**
- **For events like International conferences, part of the expenditure is met by solicitation of donations and sponsorships.**
- **Conducting technical courses for candidates from outside our college.**
- **A minimal amount is collected through advertisements in the annual magazine.**
- **The institution generates a small income from research grants, international conferences, and consultancy services.**

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/wp-content/uploads/2023/01/Research_Policy_2.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC sets benchmarks for every academic year by considering the key indicators of the NAAC, NBA, NIRF and the achivement status of the previous year. These benchmarks have been communicated to the faculty members via meetings, emails, and circulars. Achievement status and the action plan have been monitored and analyzed in the IQAC meetings every three months.

Based on the benchmarks 2021-2022, 137 faculty members have completed online course on Entrepreneurship and Startup. 25 value added certification courses were taken by 1570 students and 792 students have successfully completed.Around 270 students have undergone internship.Overall graduation rate of the 2021 passed out batch is 96.64%. Faculty members have applied more funded projects and started work towards center of excellences and consultancy.

Periodic academic audits have been conducted and feedbacks are

collected, analyzed and action will be taken by the concern departments. To enhance the higher order thinking of the students,IQAC trained the dept. IQAC members for effective question setting and verification based on bloom's cognitive level. A guideline to design effective outcome based evaluation pattern was provided. IQAC trained the faculty members on outcome based education and the NBA accreditation processes. All the 6 UG programs have been accredited by NBA.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/iqac/chronicle/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Regular review of academic activities and benchmark achivement status were analyzed in the academic administartive meeting and IQAC meeting. Dean-Academic will implement the action plan to improve the academic performance of students'.

To improve the no. of GATE participants and scorers, it was decided to conductmore GATE awareness andcoaching classes, if needed arrange external trainers.

To improve the quality of question paper, training was given to the IQAC members to frame and evaluate the question bank based on Bloom's cognitive level.

Teaching learning process is regularly monitored by the dept. HODs with the formal feedback collected during the class committe meetingsand the written feedback is collected by the IQAC and the corrective measures are taken by the departments.

File Description	Documents
Paste link for additional information	https://www.sxcce.edu.in/iqac/chronicle/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.sxcce.edu.in/wp-content/uploads/2022/09/Annual-Report.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

- We provide equal opportunity to all individuals irrespective of gender, caste, colour, language, religion, or other status.
- The women's cell of ours had organized Women's Day, a Health awareness & medical camp for girls, and a power seminar on women's empowerment.
- IEEE – Women in Engineering is functional here and organized Women's day and a program on the importance of women's education. EDC has organized a workshop on Opportunities for women entrepreneurs in India.
- Women cadets in the NCC wing actively participate in NCC activities like piloting flag hoisting ceremonies, trekking, firing, and clearing NCC B & C certificates.
- Vigilant security guards are stationed across the campus.
- No ragging complaints registered so far which is evidence of the success of our anti-ragging system.
- Separate hostels for men and women with dedicated wardens.

- **84 CCTV Surveillance throughout the campus and security arrangements.**
- **A counseling center equipped with a counselor provides counseling for students and staff.**
- **Guidance and mentoring are given to students by the mentor system.**
- **Presence of professional nurses - cater to the needs of students.**
- **A waiting hall for lunch and a waiting room for resting with basic amenities for women students are available.**

File Description	Documents
Annual gender sensitization action plan	https://www.sxcce.edu.in/wp-content/uploads/2022/12/Gender-Sensitization-Action-Plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.sxcce.edu.in/wp-content/uploads/2022/12/Specific-facilities-for-women.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

- **We have installed a set of 3 dustbins labeled bio-degradable, non-biodegradable, and recyclable in the corridors of each floor. The primary focus is to reduce, reuse and recycle the waste. The solid wastes are segregated at the source point and collected every day from bins and**

taken to the dumping yard. Then the bio-degradable wastes are sent to the biogas plants, degradable wastes are used as manure and recyclable wastes are taken up for reuse.

- There are biogas plants in the hostels. The bio-degradable wastes, food remaining from the mess, and canteens are the inputs for biogas production. Hostel kitchens utilize this biogas for cooking.
- Liquid waste generated within the campus is directed to sewage. We have a 20 KLD capacity of STP in the boys' hostel. All sorts of liquid waste from the hostel are disposed of the Sewage Treatment plant and the treated water is used for gardening purposes.
- E-wastes are collected from the source point and sent to e-waste storage area. M/s.Viji Computers Chennai., is the authorised vendor collecting e-wastes from us.
- Labs using chemicals and solvents follow the necessary precautions in the usage and disposal of hazardous chemicals. Used chemicals are diluted to about 0.005 N and disposed with sewage.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus — A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: — B. Any 3 of the above

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

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

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

C. Any 2 of the above

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

C. Any 2 of the above

5. Provision for enquiry and information :
Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

- **Students belonging to different castes, religions, and regions are studying here we respect their rights and beliefs. Gandhi Jayanthi, Teacher's Day, Women's Day, Engineers' Day, Republic Day, Independence Day, Yoga Day and Diwali, Ramadan, Christmas, Pongal, and Onam are celebrated – signs of social, religious, and regional harmony.**
- **Covid-19 vaccination camps on the campus, Fit India Freedom Run, Swachh Bharat, Awareness on Higher Studies Abroad, Joy of Giving in the neighboring village, and Awareness and Importance of COVID-19 vaccination are some examples of our cell activities in this context.**
- **The majority of the departments, 6 out of 9 are headed by women faculties. The majority of our teaching staff are Female.**
- **Among students – 37.5% are female, 43 students are from different States and among 1986 students 514 are Hindus and 101 Muslims.**
- **Various Scholarships like Rs.15,48,560 for 332 students under BC/MBC, Rs.95,00,000 for 380 students under merit, Rs.50,49,090 for 75 students under SC/ST, Rs.50,000 for 1 disability student and Rs.2,00,000 for 4 Pragathi scheme were obtained. An institutional scholarship of Rs.18,75,000 for 16 Catholic 41 Meritorious students was awarded.**
- **Women in NCC: female cadets actively participate in firing, trekking, and piloting flag-hoisting ceremonies. IEEE-(WIE) a students' wing encourages women students to actively**

participate in IEEE activities.

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

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

- **We sensitize our students and staff to constitutional obligations in terms of our values, rights, duties, and responsibilities.**
- **Fit India Freedom Run by NCC & Swachh Bharat by NSS exercising our National interests.**
- **Ensav & Energy Swaraj club - Energy Swaraj - awareness on energy conservation and saving the earth.**
- **Vaccination Camps, Awareness and importance of COVID-19 vaccination - assisting the local society people to get 100% - being a part of the national drive against covid-19.**
- **Our Code of Conduct for staff and students governs the Code of conduct of everyone on campus.**
- **Professional ethics and human values - mandatory course recommended by the affiliating University – we teach this course to our 3rd and 4th-year students which makes them ethical human beings.**
- **A course on Value Education for all disciplines across 8 semesters was introduced and taught which sensitizes the students on moral values, inculcating human and professional values amongst them.**
- **In the Republic Day and Independence Day celebrations all staff and students are encouraged to participate actively and hoist the national flag with dignity, highlighting the importance of the Indian Constitution and making them understand the importance of constitutional obligations.**

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.sxcce.edu.in/wp-content/uploads/2022/12/7.1.9-Values-and-Responsible-citizens.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**B. Any 3 of the above**

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

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

We celebrated national and international commemorative days, events, and festivals with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our National Leaders.

- **Engineers Day was celebrated on 15th September by IEI – Awareness program on world engineering Day and make a chance to develop themselves**
- **Republic day and Independence Day were celebrated with the**

- NCC unit parades, hoisting the national flag creating a sense of patriotism among the students and staff.
- Gandhi Jayanti was celebrated on 2nd October paying tribute to our national leader.
- International Yoga day is celebrated on the 21st of June; NCC Cadets did yoga, the art of healthy life, at their houses with their family.
- International Women's day celebration was organized by the women's cell on 8th March, highlighting the rights and responsibilities of women.
- Pongal & Onam – State festivals were celebrated to uphold the Tamil and Malayalam culture.
- Christmas day celebrations were held on the campus on 23rd December to mark the birth of Jesus.
- IEEE day was celebrated on 6th November, by the IEEE students' branch.
- World Energy Conservation day was held on 14th December creating awareness of energy conservation and saving the earth.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-I

Preparation of Unit-wise e-Question Bank by the course instructors – an example Continuous Assessment Method for evaluating the performance of the students. To continuously assess the cognitive level of our students in terms of their deeper understanding and higher order thinking of the course by providing various course materials that contributes towards their academic and professional development. Development of e-Question bank for each course by the respective course instructors

Preparation of specified number of questions in each part taking into account the cognitive level of each course outcome following the Bloom's taxonomy

Best Practice-II

Digitisation of Comprehensive Course File with all components and course materials including unit-wise e-question bank prepared by course instructors

To achieve complete paperless campus which go in line with green environment policy of our nation and the world at large.

Generating an e-resource hub for all the study related materials and to adapt technology required for such initiatives.

Building a data warehouse which accommodates all the resources of teaching learning process and ensuring the availability of all e-resource and providing easy access to students – the end user.

Reducing the cost of printing and cost of space by shifting to a technology enabled environment.

File Description	Documents
Best practices in the Institutional website	https://www.sxcce.edu.in/wp-content/uploads/2022/11/Best-Practices-2021-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

'Developing a technically empowered humane society' is our prime area that is distinctive to our priority and thrust. Every society expects payback from the institutions which emerged from it. As a technical institute, we take this as our prime motto to serve the humane society and empower people in our domain of expertise. Developing a technically empowered humane society could be evidenced in every activity of our institute. We are committed to taking the benefits of technical education to society so as to empower them. Our sister concern Hiltek Pvt. Ltd. teaches robotics and automation to school students in our district. We have adopted

4 villages to serve them under Swachh Bharat Scheme. Our Electrical Department conducted an energy audit at nearby villages and organized an Energy Saving camp to educate how to overcome energy shortfall. Our final-year students are encouraged to do their final-year projects in the areas beneficial to society and are advised to concentrate on the products and technology which make the common man's life easier. Every technology is to serve society for its betterment. We are intuitively committed to bridging the gap between technology and its reach to society.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Graduation rate be greater than or equal to 90%.

Every student undergoes Mini Project, Field Project and Internship, preferably one in an academic year starting from first year to pre-final year.

Departments conduct at least one value added course of minimum 30 period duration for every student in an academic year.

20% students should appear for GATE exam and 5% Qualification rate.

Make the students to participate in state level and national level events. Should produce at least 10% state-level awards and 5% national level awards.

Highest salary package 10 LPA, Average salary 3.5 LPA

PG project should published in 1 Scopus Indexed journal.

Conduct awareness programme onNEP 2020, NAAC, NBA for Autonomous Colleges.

Assistant Professors have to publish2 Scopus or 1 SCI journal per year andAssociate Professors& Professors should publish2 Scopus + 1 SCI per year

Conduct at least 1 sports camp per game

Alumni Contribution of minimum 3 Lakhs per year is planned-Trainings, Development etc.

Conduct Intra-College Symposium in the ODD semester and Inter-College Symposium in the even semester.

IIC (4 start rating)

MSME (5 incubates)

ARIIA (Excellent band)

Conduct at least one program for EDC, Innovation, Startup & IPR

Tie up with 5 foreign Universities and arrange for registering at least 10 students in higher studies.

Digitization - Reduce the paper of atleast 50%

05-10-2023 10:34:34