YEARLY STATUS REPORT - 2020-2021

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. A. Milton**

- Phone No.   **04652232560**

- Alternate phone No.   **04652237361**

- Mobile   **9442602309**

- 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/2021/07/AQAR-2019-2020.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/2021/09/Academic-Calendar-2020-2021.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**

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**	**2019 1095**	**1799200**

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

- Upload latest notification of formation of IQAC   View File

9.No. of IQAC meetings held during the year   `6`

- 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   [View File](#)

10.Whether IQAC received funding from any of the funding agency to support its activities during the year?   `Yes`

- If yes, mention the amount   `Rs. 30,000`

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

`NAAC sponsored three day national level online workshop on Course and Instruction Design for Effective Outcome Based Education was conducted on 10, 11 and 12-06-2021.`

`Faculty development program on Bloom's Taxonomy Based Teaching was conducted in association with Teaching Development Cell on 26-02-2021 and 06-03-2021.`

`A guideline to design instruction for effective outcome based education was provided on 04-09-2020.`

`Four year performance of the college was analyzed on 10-10-2020. Meeting of individual faculty member related to their performance based appraisal system 2018-2019 score was conducted from 15-06-2020 to 19-06-2020, from 01-09-2020 to 04-09-2020, from 07-09-2020 to 09-09-2020, 15-09-2020, 16-09-2020, 18-09-2020 and 21-09-2020.`

`Provisional accreditation granted for the UG programs Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering was extended by one year on 15-07-2021 by NBA. NBA accredited the UG programs Civil Engineering, Computer Science Engineering and Information Technology for the academic years from 2021-2022 to 2023-2024 on 01-07-2021. NBA expert team conducted evaluation of the UG programs Civil Engineering, Computer Science Engineering and Information Technology from 09-04-2021 to 11-04-2021 in blended mode.`

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
In order to enhance the leadership skills, faculty members are asked to complete one online course on leadership .	132 faculty members have completed online course on leadership.
College arranges a workshop for faculty members for Bloom's taxonomy based teaching so as to train the students on higher order thinking.	IQAC and Teaching Development Cell arranged FDP on Bloom's Taxonomy based teaching on 26-02-2021 and 06-03-2021.
At least 15% of students complete online courses and obtain certificates.	367 students have completed online courses.
Institute starts incubation and innovation centre.	Incubation center has been started.
At least 10% of graduates qualify in GATE.	87 students registered for GATE.
Departments start center of excellence.	Departments have taken initiatives.

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

- Name of the statutory body

Name	Date of meeting(s)
Academic Administrative Body	13/12/2021

14.Whether institutional data submitted to AISHE

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• Name of the Head of the institution	Dr.J.Maheswaran
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- Name of the statutory body

Name	Date of meeting(s)
Academic Administrative Body	13/12/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020	05/02/2020

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:	
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):	
20.Distance education/online education:	

Extended Profile

1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	**617**

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

2.Student	
2.1 Number of students during the year	**1972**

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 | **246** |

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

2.3 Number of outgoing/ final year students during the year	**655**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**155**

File Description	Documents
Data Template	No File Uploaded

3.2 Number of sanctioned posts during the year	**155**

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)	**362.53**
4.3 Total number of computers on campus for academic purposes	**940**

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 with annual plan is prepared by the Principal and Dean Academic in consultation with all the HODs.

Based on the expertise of the individual teachers the courses are assigned by the HODs.

Every course in charge prepares a course file which contains the details like College Vision, Mission, Slogan, Quality Policy, Objectives, Values ,Department Vision, Mission, 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, Course Delivery Plan, Schedule of Instruction, Semester Plan for the Program/Department , Class Time Table, University Question Papers, 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 Prepared by the Faculty ,Feedback on the Syllabus, Course Exit Survey, Outcome Attainment, Observations and Action Plans.

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

The Documentation is verified and audited by Assistant HODs with the coordination of Dean Academics with the format and guidelines provided by IQAC.

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 Academic in discussion with HODs and inline with the schedule released by the university. It is distributed among staff members for course plan preparation and the calendar is

uploaded to the college website so that the stakeholders can refer

to 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, nonprofessional 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.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	[Nil]()

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	View File
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)

15

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

251

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 in the Anna University syllabus for all UG Engineering Students. This helps the student become aware of eco-friendly environment

The university has prescribed Elective course GE8076-Professional Ethics in Engineering for all UG Engineering students and Elective course MC5006-Professional Ethics for MCA students to create awareness on Engineering Ethics and Human Values, to instill Moral Values, Social Values and Loyalty and to appreciate the rights of others.

The institution also 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 cell helps promote gender equality among students and also deals with safety and security issues of female students.

The women cell Organizes various seminars to provide awareness to the female students.

Grievance Cell deals 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

36

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	**No File Uploaded**
Institutional Data in Prescribed Format	View File

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

728

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/2021/12/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/2021/12/Students-Feedback-2020-21.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

505

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

120

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 class tests and

internal tests.

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

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

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

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

Meeting with parents of students is conducted once in 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 discussion 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
1972	155

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 taken by the faculty members.

To keep students engaged in the classroom, faculty takes efforts for the conduction of expert lectures, workshops, seminars and student presentations.

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

Students submit three Assignments which 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 for doing internship.

They also help the students by interacting with the 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 necessary guidelines and support for their junior's internship.

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

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

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 Power Point presentation, 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, Moodle etc for teaching learning and assessment.

Online classes are conducted using Google Meet.

Course plan, 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), internet sources for effective teaching.

To improve the teaching ability, the faculty is facilitated to access books and e-resources like EDUSAT, IEEE, IET, SPRINGER, J-GATE, with 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

130

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

155

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

63

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, three internal assessment tests, three class tests and three assignments are the major assessment strategies used.

In addition to the above, seminar, quiz, discussion, and case studies are also used to assess the students' 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 report, reviews and demonstrations are the parts of a continuous internal evaluation system.

Two sets of question papers are set with questions tagged with cognitive level and course outcomes and uploaded in the college automation software.

The Exam Cell selects randomly one question paper.

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

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

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

Students are able to view their marks in class test, assignment and internal exam through their login account in the college automation software.

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

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

Centralized internal assessment tests are conducted.

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

Two sets of question papers are set with questions tagged with cognitive level and course outcomes and uploaded in the college automation software. The Exam Cell selects randomly one question paper.

Seating arrangement is done by the Exam Cell.

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

Test papers are corrected and the marks are entered in 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 test, assignment and internal exam through their login account in the college automation software.

Marks are sent to the parents as SMS from 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 in the department page of the college website, displayed in the corridors of the departments, available in the course file.

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

Every faculty members, on the first day of their class in a semester, discuss 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 in the question paper.

UG Programme Outcomes are printed in the 2021 wall calendar which is distributed to students, staff members and other stake holders.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil
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 the CO attainment are; students' performance in internal assessment examinations, class tests, assignments.

Indirect method used to assess the CO attainment is 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 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	**No File Uploaded**
Paste link for Additional information	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

632

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	**No File Uploaded**
Paste link for the annual report	https://www.sxcce.edu.in/wp-content/uploads/2021/12/Annual-Day-Report-2019-2020.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/2021/12/Students-Feedback-2020-21.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)

17.99

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

35

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

1

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

Research innovation activities are coordinated by Dean Research.

Faculty members are motivated to become member of a research group of their interest from the many research groups available in the college or their own.

Cash award is provided for faculty members who publish research paper in SCI journals.

College provides financial aids for filing patents.

All the departments are motivated to start center for excellence.

Institute subscribes to online research journals.

Project orientation programs are conducted for UG and PG students for effective implementation of their project works.

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 towards research.

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

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

24

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

16

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

`85`

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

`112`

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

`Outreach Program Committee, NSS, NCC, YRC etc. are some of the cells through which staff and students involve in the extension activities.`

`In the academic year 2020-2021, the extension activities are limited because of the Covid-19 pandemic. Orphanage visit, Voter awareness program, Tree plantation, Yoga day and Webinar on Fit India Movement are the major extension activities of the college.`

`The orphanage visit made the people in the orphanage happy and made the students their responsibility to help the needy.`

`The voter awareness program helped motivate the general public to vote in elections.`

Yoga Day and National level webinar in connection with Fit India movement helped motivated the students to be mentally and physically fit.

Tree plantation program helped the students realized the importance of trees for our life and the earth.

File Description	Documents
Paste link for additional information	Nil
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

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

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

9

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

833

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

00

File Description	Documents
e-copies of related Document	**No File Uploaded**
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

35

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
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 is 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 66 class rooms, 46 laboratories and 5 seminar and conference halls are available.

Every class room, seminar hall and many laboratories have LCD projector.

All the class rooms, laboratories, tutorial halls and seminar halls are Wi-Fi enabled.

Common computer centre with high 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 facility.

Faculty members use LMSs and online meet platforms for teaching and learning.

24x7 Wi-Fi facility is open to staff and students in the campus.

Well-stacked library has the 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	Nil

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 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 rock auditorium with a seating capacity of around 500 people. Other 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 gymnasium equipped with Treadmills, 4 Multistation Gym and 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 in different levels.`

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

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)

`143.21`

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 which enhance the knowledge of the faculty and students. Library is housed in an area of 18000 Sq.m with a seating capacity of 250 users.

The library has a

The Library is fully automated from 2003 using St. Xavier's Library Automation software. Issue, return and tracking of books are realized through the bar code printed in the books and identity card of Staff and Students.

Students and staff can search the book availability with the help of OPAC. Using OPAC, user 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 in the campus using Wi-Fi.

The institution is a member of National Digital Library (NDL) which provides federated searching tools to access the multiple data basis.

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	Nil

| 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | A. Any 4 or more of the above |

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)

17.26

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

125

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 file server, license server, NPTEL Video Library and Ubuntu Software catch purpose. In addition to this existing features 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 opennebula is available for research purposes. Authenticated users can avail this facility anytime anywhere.

Totally 1027 computers and 58 printers are available for computing purpose and all the computers are protected using Sophos-XG330 firewall. Campus network is connected with fibre optic network with 510 Mbps speed of 1:1 connectivity.

Well featured College Automation Software is used with Student, Staff, Library, Placement, Exam Cell, Accounting modules that facilitates Student Messaging (SMS) System, Staff Biometric attendance System and provide the storage of 500 MB for all staffs and students. It also provides the features to access more than 2TB of NPTEL & Anna University EDUSAT Video lectures.

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

4.3.2 - Number of Computers

940

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)

20.22

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, are 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

691

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

57

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/2022/01/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

1038

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

1038

File Description	Documents
Any additional information	View File
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

134

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

28

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

00

File Description	Documents
Upload supporting data for the same	**No File Uploaded**
Any additional information	**No File Uploaded**
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.

2

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 university/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)

Students have active representation on academic and administrative bodies and other committees of the Institute.

Student representatives take part actively in all academic and co-curricular activities.

The student representatives participate in the class committee meeting held periodically. Also, Students have strong representations in all cultural and sports and games committees and take active role in organization and management of events.

Department associations, professional bodies such as IEEE Education Society, Ensav Club, Robotics Club, IEEE Student Branch, IEEE-WIE, IET, IEI, ISHRAE, SAE, ACM, CSI, ACE, ELECTROS, SEE, BIGITZ, XACA, REACH, FACEATP and MEGX and non-professional bodies such as NSS, NCC, YRC, Tamil Mantram, Eco club, Womens Cell, Konverz, Photography Club, Jyothis etc are available in the college whose activities are organized by the Students.

Each association has student secretary, joint secretary, treasurer and office bearers guided by faculty advisor.

Students actively involved in conducting symposiums, conferences and seminars for which most of the activities are restituted by them.

The above activities enhance their communication skills, management skills, leadership skills, team-work, time management, resource management skills and builds confidence in each student.

File Description	Documents
Paste link for additional information	Nil
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

4

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 BKIV 72/2017.

Current Board of Directors:

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

President: Mr. Rajesh Anbu

Working President: Dr. J. Maheswaran

Vice President: Mr. A. Aswin

Secretary: Mr. S. Frank Stephen

Treasurer: Mr. R. Rajesh

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

Every year, on 26th December alumni meet is arranged.

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 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	Nil
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	E. <1Lakhs

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 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, HODs along with the faculty members, while devising strategies for the execution of the policies and plans have the 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 of the execution of policies and plans, overseen by the Principal and the Correspondent.

File Description	Documents
Paste link for additional information	Nil
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 which gives its comments and suggestions.

Principal along with Deans executes the decisions taken and steer the academic, non-academic, student, staff, research and quality improvement activities.

Dean Academics monitors academic activities.

Deans Student Affairs monitors non-academic activities of the students.

Dean Research encourages the academic and faculty research and takes efforts to materialize MoUs and motivates the faculty to apply and get funded projects.

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 assess and evaluates the performance of each program in a department.

Cell-in-charges arrange programs for the benefits of the students and staff members.

Placement officer help students determine and get choices matching their carrier interest.

Class committee chairpersons regularly conduct meetings with student members.

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 are underway in view of obtaining autonomous status from UGC.

File Description	Documents
Paste link for additional information	Nil
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 sets benchmarks, the benchmarks are disseminated through circular and meetings.

The following are the results of the Benchmarks for the year 2020-2021

132 faculty members have completed online course on leadership.

Workshop on Bloom's Taxonomy was conducted on 26- 02-2021 and 06-03-2021 for all faculty members by IQAC and Teaching Development Cell.

367 students have completed online courses.

PG student's placements were improved by conducting training programs.

Innate Training Solutions, Chennai provided Hexaware Technologies Company Specific Training, Wipro Company Specific Online Training for PG students from 23-7-2020 to 29-7-2020.

SXCCE Innovation and Incubation center was registered with the registrar of societies, Kanyakumari District.

MSME Chennai inspected the college for MSME host institute approval.

Industry motivation campaign program was conducted for the students on 19-2-2021 and 20-2-2021 through MSME Tuticorin.

82 students along with 3 staff members visited Nanjil Milk Plant and discussed the production processes of milk and milk products on 12-3-2021.

Around 87 students appeared for GATE examination.

Funded project on Audio Electronics System for Matured Coconut Identification was sanctioned by DST, order no DST/TDT/AGRO-30/201 with a grant of Rs.17,99,200/.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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 RC diocese of Kuzhithurai is the chairman of the college.

The governing body has 18 members.

There are 9 subcommittees; they are 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 by the administrative setup consist of 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.

Grievance Redressal Mechanism is in place to address the grievances of students, staff members, parents and alumni registered through online and offline.

File Description	Documents
Paste link for additional information	Nil
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

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/. cash award is given to the faculty members for producing centum results.

Rs.2000/. 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	Nil
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

3

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

143

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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 consist of three categories i)

Teaching, Learning and Evaluation, ii) Co-Curricular, Extension and Professional Development and iii) Research and Academic Contributions.

All faculty members submit the performance based appraisal system application form to their HOD.

Appraisal form was verified by the Department Heads and submitted to IQAC.

IQAC verifies the form, consolidate and submit to the Principal.

The consolidated report is submitted to the management.

IQAC helps the Principal in preparing individual letter to the faculty members with score on each category and observations.

If time permits, performance appraisal interview will be conducted.

Self-appraisal, Appraisal by 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 Accountant 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

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 which are worthy of its efforts and expenditure, and find the areas where loopholes exist.

Give necessary plans for the future stability and financial security of the college.

Provide clear guidance with regard to the legality of maintaining accounts, taxes, investments etc.

Suggest effective internal control systems to prevent and detect fraud.

Provide clear guidance with regard to the legal aspects of maintaining accounts, taxes, investments, etc.

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

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)

0

File Description	Documents
Annual statements of accounts	View File
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

The major sources of income are from tuition fee, hostel fee and bus fee.

Other sources of income are detailed below

Sponsorships, endowments.

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.

A minimal amount is collected through advertisements in the annual magazine.

The institution generates a small income through consultancy services.

40% of the revenue generate 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.

The systems/procedures in place to make sure the optimal utilization of the financial resources are attached as additional information.

File Description	Documents
Paste link for additional information	Nil
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 and the achievement status of the benchmarks are monitored and analyzed.

The benchmarks for the academic year are framed based on the achievement status of the previous year.

Based on the achievement status of the benchmarks of a year the benchmarks for the next year are set.

Based on 2020-2021 Benchmarks 132 faculty members to do online course on leadership in order to improve their leadership skills, 367 students have completed online courses in their technical area of interest and more number of students are appearing for GATE examination.

Faculty members have to apply more funded projects and started work towards center of excellences.

Outcome Based Education and NBA accreditation:

IQAC trained the faculty members on outcome based education and the NBA accreditation processes.

Faculty development program on Bloom's Taxonomy Based Teaching was conducted.

A guideline to design instruction for effective outcome based education was provided.

Faculty members are handling the class for the students to attain the clearly stated outcomes.

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

Dean-Academic is a member of IQAC. In the IQAC meeting the academic activities are shared with the members by Dean-Academic for discussion and review.

Every year benchmarks are set for students 'to improve academic performance by IQAC.

In the IQAC meeting held on 15-10-2020, the students' performance in GATE examination was discussed that lead to the discussion and review of teaching learning processes.

Decided and arranged FDP for all faculty members on Bloom's Taxonomy Based Teaching.

Decided to change the assessment schemes so that the learning of the students improves.

File Description	Documents
Paste link for additional information	Nil
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/2022/01/IQAC-Annual-Report-2020-21.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 cell has organised Women's Day, Legal literacy program by lady advocate for girls, Life hacks for stress management, Calm and confident: managing tough times and A Quiz program on Legal rights for Women.

IEEE Women in Engineering is functional here and organised Women's day and cancer awareness program, Nature conservation day, Teacher's day, IEEE activities and how to achieve in IEEE.

Women cadets in NCC wing actively participate in activities like piloting flag hoisting ceremony, trekking, firing and cleared NCC B & C certificates.

Vigilant security guards are stationed across the campus.

No ragging complaints registered so far, is the evidence of success of our anti-ragging system.

Surveillance by 84 CCTV throughout the campus for security arrangement is in place.

A counselling centre with counsellors provides counselling for students and staff.

Guidance and mentoring are provided to students by mentor system.

Presence of professional nurse caters 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/2021/12/Annual-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/2021/12/Specific-Facilities-form-Women-in-the-Campus.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 labelled bio-degradable, non-biodegradable and recyclable in corridors of each floor. The primary focus is to reduce, reuse and recycle the waste. The solid wastes are segregated at source point and collected every day from bins and taken to the dumping yard. Then the bio-degradable wastes are sent to biogas plant, degradable wastes are used as manure and recyclable waste 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 the biogas production. Hostel kitchens utilise this biogas for cooking.

Liquid waste generated within the campus is directed to sewage. We have 20 KLD capacity of STP in the boys' hostel. All sort of liquid waste from the hostel are disposed to Sewage Treatment plant and the treated water is used for gardening purpose.

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	View File
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:

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

B. Any 3 of the above

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

C. Any 2 of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	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 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading

B. Any 3 of the above

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	View File

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

Students belonging to different caste, religion, regions are

studying here we respect their rights and beliefs. To generate the feeling of oneness and social harmony Gandhi Jayanthi, Teacher's Day, Women's Day, Engineers' Day, Republic Day, Independence Day, Yoga Day are celebrated by students professional, non-professional bodies and Cells. The religious and regional festivals - Diwali, Ramadan, Christmas, Pongal and Onam are celebrated by students.

NCC organised vigilance awareness and 100 % voting awareness programs. Women cell participated in March against violence against women on 25th November.

Majority of the departments, 5 out of 9 are headed by women faculties. Among the teaching faculty, majority are female

Among students - 42% are female, 53 students are from different States and 1 overseas student and among 1973 students 543 are Hindus and 108 Muslims.

Various Scholarships like Rs.19,07,625 for 406 students under BC/MBC, Rs.58,25,000 for 233 students under minority, Rs.30,98,666 for 52 students under SC/ST were obtained. 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, piloting flag hoisting ceremony. IEEE-(WIE) Women in Engineering – a students' branch wing which encourages the 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 the constitutional obligations in terms of our values, rights, duties and responsibilities.

Awareness program on 100% voting was conducted by NCC to public to exercise their Constitutional Rights.

Vigilance awareness program was conducted by NCC to create anticorruption stand among the staff and students.

Indian Constitution day was celebration on 26th November creating awareness about the Constitutions of India.

Professional ethics and human values is a mandatory course recommended by the affiliating University which helps make the students ethical human beings.

Seminar on Human values was organised on 17th December to understand the human values.

A course on Value Education for all disciplines across 8 semesters was introduced and taught which sensitize the students on moral values, inculcating the human and professional values amongst them.

In the Republic and Independence Days celebrations, all staff and students are encouraged to participate actively and hoisting the national flag with dignity, highlighting the importance of Indian Constitution and make them understand the importance of constitutional obligations.

We have our code of conduct for staff and students which governs the code of conduct of everyone in the campus.

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/2021/12/Activities-Inculcating-Values-and-Making-Students-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	B. Any 3 of the above

programmes on Code of Conduct are organized

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 have 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 IEEE student-branch to pay tribute to the best Indian Engineer Visvesvaraya.

Republic Day and Independence Day are celebrated with the NCC unit parades, hoisting the national flag creating a sense of patriotism among the students and staff.

Gandhi Jayanti and Netaji's 125th birthday were celebrated on 2nd October and 22th January paying tribute to our national leaders.

International Yoga Day is celebrated on 21st June; NCC organized the yoga camp creating awareness on how Yoga embodies unity of mind and body.

International Women's Day celebration was organised by women cell on 8th March, highlighting the rights and responsibilities of women.

Pongal and Onam were celebrated to uphold the Tamil and Malayalam culture.

IEEE Day was celebrated on 10th October, by IEEE students' branch.

World Nature Conservation Day was held on 28th July creating awareness on how to save the nature.

Christmas Day celebrations were held in the campus on 23rd December to mark the birth of Jesus.

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

1. Title of the Practice: Innovation in Teaching-Learning - Continuous Improvement in Teaching Methods and Students' Lifelong Learning 2. Goal:

To achieve continuous professional development of faculty and the lifelong learning of our students through integrated, coherent learning experiences that contributes towards their personal, academic and professional learning and development.

Development of a comprehensive course materials and resources – course file

Implementing a learner centric approach – producing self-learning students – Learning to learn

3. The Context:

Teachers strive to meet the principles of good practice in an effort to provide the best learning experience for their students. Teachers are responsible and accountable for designing and delivering a high quality of learning and teaching practice.

The fundamental purpose of curriculum design and development is

should focus on how the educational experience contributes to students' development and their lifelong learning. They must be related to the conceptual frameworks, language and practices of the student's field of study through quality learning experiences.

Usage of ICT resources and incorporating the latest technology enabled tools & aids in the teaching learning process engages students in higher order thinking, design, analysis, and creativity.

Developing the comprehensive course material and resources which accommodates continuous improvement in teaching methods, techniques and the course materials are the need of the hour for development of faculty and students.

4. The Practice:

The course file is the one prepared by the course instructor for a particular course. It contains the syllabus, the objectives and outcomes expected of this course. It provides comprehensive information about the course in relevance to the programme connected with.

Course Delivery Plan: The dates and total period required to complete every unit of the course are planned meticulously in advance in accordance with internal assessment exams. Special topics were identified for seminar, assignments, interactive, collaborative and self-learning.

Assessment: The students are informed about the assessment methods followed, like three internal exams for internal assessment (20%) and university examination (80%). Continuous assessment of students through tests, projects, presentations, Internships, assignments, Seminars, Quiz, Group discussions, Study visit etc are carried out to test students' outcome in comparison with program outcome.

Teaching Learning process:

Information and Communication Technology (ICT) enabled teaching tools are used by the faculty members in their teaching process.

Guest lectures from industry are arranged for the students to fill the gap of latest advancement in the industry

Moodle learning classes are arranged for students to acquire the

knowledge from domain experts.

We encourage our staff and students to make use of E-learning facilities through SWAYAM and NPTEL which provide online Web and Video courses in the Engineering, Humanities & Sciences and Management streams.

Our faculties are encouraged to publish e-content of their course, research papers with students, applying for students' project proposals, minor and major project proposal with funding agencies which takes teaching learning experience to a higher order level.

Our students are motivated to publish research papers along with staff, convert their final year project as a project proposal to funding agencies which inculcates the habits of lifelong learning in our students.

Network Resource Base: our Local Area Network (LAN) has all the course materials uploaded by the course instructors. Students are permitted to make use these study materials like units notes, ppts, Question Bank and so on. Students have access to internet at any computer labs at no charge.

Feedback: Students' mid-sem feedback on teaching and result analysis, end-sem feedbacks on the curriculum are used to understand the learning level and to change the teaching strategy and further enriching the course. The final exit survey assesses the course outcome experienced by the students.

5. Evidence of Success:

This practice is related to the conceptual frameworks, language and practices of the student's field of study through quality learning experiences and continuous improvement in teaching learning process.

Tendency of faculties to use modern tools and ICT in their teaching practices

Teachers strive to meet the principles of good practice in an effort to provide the best learning experience for their students

Many faculty and students had enrolled and completed several courses in area of teaching learning and in their technical domain in SWAYAM.

The development of course file helps in continuous improvement in teaching learning process

Lecture notes and study materials are uploaded on the college network.

Timely and appropriate response and feedback from students on teaching learning

Appropriately paced and timely completion of syllabus and content beyond syllabus

Increased attendance in the classes

Improvement in Placement record of our students.

6. Problems Encountered and Resources Required:

Understanding the students and knowing what interests and life constraints conflict with their academic priorities are itself a major challenges of an instructor. Implementing resource development for teaching and learning through comprehensive course file system needs time and resources for preparation. If we fail to prepare systematically the deliverables in teaching and learning process, we will fail in our course outcome. Continuous updating of the course file with present trends, examination evaluation pattern, and model question papers is very much needed to draw the benefits of achieving the outcome.

Development of animation based power point presentations in teaching, particularly in technical subjects, The demand for ICT resources, the fast paced technological advancement like IoT, Machine and Deep Learning and so on,technology adoption by teachers, have been major challenge. The want of such an in – house technical expertise demands quick attention.

Best Practice-II

1. Title of the Practice:

Comprehensive Value Education System for the Total Development of the Students

2. Goal:

- To work for the total development of students and to prepare them to achieve the vision of the institution of developing a technically empowered humane society
- To animate the students to have a noble vision and a right value system for their life, avoiding all possible dissipations, so that they become pro-social technocrats and professionals who contribute to the world with humanism and a successful fulfilling life.
- To make the students into positive mature persons, who know their unique selves, the vagaries of the society, the potentialities of their profession and have the ability to relate with others maturely and contribute to industrial and human development.
- To give the students opportunities to experience the realities of our society and practice their leadership and values that they become reinforced in a value based life.

3. The Context:

Our contemporary Indian society is experiencing a big churning,- while people are very earnest to develop their life by making use of the new opportunities being opened, they are also facing a lot of confusion and tension, violation of human rights and a resurging phenomenon of degradation of life and nature because of wrong priorities and lopsided approaches. With judiciary taking its time for justice, women and children are the major victims in this media saturated world. The social menaces like eve teasing and caste discrimination, and the deep rooted corruption are still a nagging concern to all. Dissipating attractions like drugs, alcohol and even fundamentalism are threats to the healthy development of the students. Helping students to have personal vision for life and healthy relationships and sensitizing them with values such as honesty, hard work, social commitment and patriotism are important. When the staff and the experts sat together with the management to discuss about the total formation of our students, systematic value education program emerged as a task of paramount importance. A clear cut syllabus was developed with a credible strategy to execute it.

4. The Practice:

Providing service oriented high quality education in a wholesome manner for the marginally deprived society with discipline and human touch without discrimination is our goal. Value education starts from the practice of having a five minute prayer, with readings and song every day at the beginning of the college. The

Value Education Program courses have been systematically designed to run parallel with the academic curriculum in three phase every year. (Details of curriculum is given in the Table in section 7).

Separate hours have been allotted in the regular schedules for such trainings. Bringing in eminent trainers periodically, for intensive special trainings is in vogue. Recently a comprehensive life planning program has been ushered in from the first year.

Shaping one's life and navigating them in their late teens by exposing their own potentials and helping them to be aware of themselves and their uniqueness and accept themselves as they are and helping them find a fitting place for themselves on the global stage are the initial challenges for wholesome education.

Guiding them to fix their vision and dreams realistically in accordance with their personality makes them self-directed. Developing healthy relationship among peers and with complementary gender without intriguing emotional attachments are imported to develop the right attributes, attitudes and responses to work together. Attaining autonomy to take care of themselves and independence to take responsible decision for their own problems are instilled in the minds of the young.

Adapting to the changing environments and getting along with others in spite of differences, surviving and thriving in an atmosphere of competition are emphasized in their 2nd and 3rd years. They are asked to uphold the meaning of 'Universality', as unity in diversity, which is further stated as unity is not uniformity. Personal commitment and leadership skills are inducted to develop their personality to take up social responsibilities and group/team activities with a deep understanding of the dynamics of the society by social analysis. Exposure programs like village visits, social work camps, eco-friendly activities, and programs for school children help them explore their values. Opportunities for choosing the appropriate platforms to groom and nurture their own individual skills and leadership styles are provided for wholesome development.

While CETA (the training cell), Students Welfare Cell, and Counselling Cell come together in the training of the students, NCC, NSS, Women's Cell, Girl Rising, Eco-Club, Science Forum and other many professional associations help animating students and often form platform for the exercise of the values they learn.

5. Evidence of Success:

- Increasing participation of our students for the social causes such as helping the needy, visiting old age homes, empowering girl child, adopting orphanages, voters awareness programs, blood donations, celebrating national festivals in under-privileged village atmosphere, etc. is a very encouraging sign of success.
- The cordial relationship that exists among the students of various backgrounds and departments, and between the staff and students is encouraging.
- It is pleasing to see our alumni have developed themselves into wholesome persons taking life's success and challenges equally. Their professional leadership with amiable and loyal attitudes have received appreciation from their bosses and recruiting companies and have increased the effectiveness in their domain of influence. That is one of the reasons why placement record of our colleges is steadily on the increase.
- It is motivating and encouraging to find that none of our alumni has been accused of involving in any sort of corruption or anti-social activities. The testimony by their recruiters and especially by their spouses about their pleasing character, is the success of this movement.
- Some students take up projects that are connected with the enhancement of the lives of ordinary people.
- Agreeing to disagree, values of tolerance, harmony and peace at any cost, values for cooperation, etc. are some of the professional ethical values they have adopted from these initiatives.
- Students practice life principles like humility, simplicity, love, peace, interdependency among human beings, etc. in their own home to have a fulfilling life.

6. Problems Encountered and Resources Required:

All good things come at a price. Getting resource persons who only give a talk is easy; but the one who walks the talk is more important to make a lasting impression in the minds of the younger generation, who are watchful and evaluate critically. Providing right models to emulate is very powerful and contagious. Lack of conducive environment and resources for nurturing these ideal ethics such as social environment, human resources, financial resources and appropriate time for training is a challenge. Due to the presence of more day scholar students in the institution, we struggle to find appropriate slots to have lengthy workshops with practice in real life situations. Moreover, balancing the pressures of academic curriculum and professional

growth along with these very much needed value based courses and activities is a challenge for the students, mainly because of the constraints in time and residence.

7. Notes: Curriculum Details:

Curriculum for the co-curricular activities for the total development of students:

Year Phase – I Phase - II Phase - III 1st Importance of Life Understanding oneself and one's uniqueness, Self-awareness, Self-acceptance, Self-esteem, Self-confidence, Sense of gratitude. Understanding one's purpose of life and finding a place in the universe (identity) and accordingly fixing vision/dreams for one's own life. Manners and etiquettes, Respecting superiors and peers, Mature communication, Healthy relationships with institution, authorities, peers and opposite gender, Gender quality. 2nd Developing of Value System Attaining personal autonomy, Self-determination to study well and develop into good engineer, Independent decision making. Knowing the place of technology in the society, choosing what is right and developing a set of personal values and priorities to practice one's vision of life. Being genuine and serene, Facing challenges of life, Emotional management (EQ), Personal problem solving skills, Eco friendliness. 3rd Experimen-tation and Leadership Taking up responsibilities and developing leadership, learning technology with social commitment to ameliorate the pains of others and for industrial development. Developing social awareness by social analysis and exposure programs, understanding peoples' need, Conviction of social harmony and inclusive development, Social Commitment. Organizing groups, evolving programs for social activities through college professional associations, using technology to empower ordinary people and find solutions for them etc. 4th Beginning Life of Fullness Foretasting professional life, Planning for a long professional life, Planning for life in adulthood, Learning to balance personal, Professional and social challenges of life, Loyalty to the institutions. Learning mature social relationships, Developing projects and programs for social development and harmony, Planning to make use of education and profession to achieve personal vision and find meaning in life. Learning to develop professional networking, Support systems for social contributions, making a difference by Innovation and pro-social entrepreneurship, Finding meaning in life.

File Description	Documents
Best practices in the Institutional website	https://www.sxcce.edu.in/wp-content/uploads/2022/01/Best-Practices.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 a 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 the every activity of our institute. We are committed to taking the benefits of technical education to the society so as to empower them. Our sister concern Hiltek Pvt. Ltd. teaches robotics and automation to school students of our district. We have adopted 4 villages to serve them under Swachh Bharat Scheme. Our Electrical Department conducted energy audit at nearby villages and organized 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 the society and are advised to concentrate on the products and technology which make common man's life easier. Every technology is to serve the society for its betterment. We are intuitively committed to bridge the gap between technology and its reach to the 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

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

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

Feedback on syllabus be strengthened by collecting feedbacks from faculty members, final year students, alumni, and employers.

Graduation rate be greater than or equal to 90%.

Each department applies for at least 2 major projects from funding agencies.

Departments take steps to start center of excellence. At least two departments start center of excellence.

Departments take steps to start consultancy work and generate income.

Institute starts skill development center.

At least five incubates utilize the college incubation center.

Motivation and guidance for GATE be strengthened starting from first year.

Placements of master degree students be improved.

Sports Council and other Co-curricular and extracurricular cells train students to achieve awards in university, state, national and international levels.

All the co-curricular and extracurricular cells conduct at least 4 valuable physical/online programs in a year.

Faculty members complete online course on entrepreneurial processes.