



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

CSI COLLEGE OF ENGINEERING

CSI COLLEGE OF ENGINEERING KEETI THE NILGIRIS-643215

643215

www.csice.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

March 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

CSI College of Engineering is a self-financing minority Institution offering degree level and Postgraduate level courses in different disciplines of Engineering. This College was founded by the Church of South India, Coimbatore Diocesan Council which is a pioneer in running many Educational Institutions, from pre-primary to post metric and post graduate levels, all known for their academic standard and discipline. It was largely due to the visionary zeal and concerted efforts of Rt. Rev. William Moses, the former Bishop of the Coimbatore Diocese that this College came into being in 1998 – 1999 in this backward area among tribes. Now under the leadership of Rt. Rev. Timothy Ravinder, Bishop, CSI Coimbatore Diocese & Chairman the institution is striving hard to perform excellently well in various fields. The college continues to grow in all spheres. Six undergraduate programmes namely B. E. Mechanical Engineering, B. E. Civil Engineering, B. E. Computer Science and Engineering, B. Tech Information Technology, B. E. Electrical and Electronics Engineering and B. E. Electronics and Communication Engineering, and four postgraduate programmes namely M.E. Structural Engineering, M. E. Computer Science and Engineering, M. E. Power Electronics and Drives, M. E. Mechanical Engineering are being offered.

Vision

To equip and empower the students and faculty members to contribute in nation building process with social concern imbued with character and ethics to ensure sustainable development and preservation of environment through technical education, research, patent and extension activities.

Mission

- To raise students to serve humanity by attaining high levels of academic excellence, industrial exposure and professional competence with exemplary values and social concern.
- To find solutions to human problems through scientific, social, technological research leading to sustainable development.
- To promote gender equality and harmonious growth of students, faculty members and other stake holders so as to become a centre of excellence in technical education.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The one and only engineering college in Nilgiris. The college was established in the year 1998.
- Well-qualified and experienced staff.
- Many industry oriented courses in each branch are being offered.
- Full-fledged NCC unit for both boys and girls.

- A tie-up with Madras Regimental Center, Wellington, which is near our campus.
- NSS unit which functions effectively having adopted tribal villages. Features like free eye camp, blood donation camps, education awareness camp are being organized frequently.
- Eco Club which is functioning effectively inside the campus and throughout the villages in Nilgiris, participating frequently in tree planting programs.
- Most of the training program for government teachers from elementary level to higher secondary level is conducted in the institution.
- Excellent placement record - More than 80 % of eligible undergraduate students get placed every year in good companies.
- Presence of a strong alumni base - alumni supports the college by way of guiding the students, Industry Institute Interaction, etc.
- Twenty-four hours free medical care is available in the neighboring Government Camp Hospital located near to our campus.
- Absenteeism is negligible
- Good numbers of text books with multiple volumes and reference books in the central library of the college
- Good numbers of computers with 100mbps internet bandwidth to facilitate the students with practical knowledge
- Ragging free and eco friendly campus
- Good to live around nature, pure air, spring water, pollution free environment, simple people, organic food etc
- Motivational lecture, career guidance, competitive exam coaching beyond syllabus is covered by the teachers.

Institutional Weakness

- Less number of sponsored research projects.
- Industry Institution Interaction needs to be strengthened further.
- Faculty with industrial experience is less in number
- Geographically difficult, 90% of the areas are uneven.
- The college does not have residential staff quarters
- Climatic conditions do not permit working for extra hours.

Institutional Opportunity

- Enrichment of language.
- Building confidence in students.
- Inculcating moral values in students.
- Competency-based education.
- Interactive learning experiences.

Institutional Challenge

- Poor admissions in the core branch.
- Health issues faced by students pertaining to diverse climatic conditions.

- Lower pay prevailing in the core industry for fresher.
- Due to the poor economic back ground of the locality it is difficult to open self- financed job oriented courses.
- Starting of more vocational courses.
- Government Restriction for Build a new buildings.
- Exchange of faculty members and students consumes time and money.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institute is affiliated to the Anna University, Chennai. It is mandatory for the institute to follow the curriculum developed by the university. However, the institute has developed the effective mechanism, process and structure for implementation for the curriculum. The academic calendar, departmental calendar and lesson plans developed by the teacher ensure effective delivery of the program. The academic flexibility is implemented as per the university norms. Institution provides individual personal computers to the faculties to execute their work quickly and efficiently. Internet facilities with a speed of 100Mbps are available both through Wired and Wi-Fi for easy access of resources. Effective delivery of curriculum is achieved by adopting various methods such as black boards, Power point Presentations and videos (NPTEL). College provides flexibility to students for choosing their electives. Review meetings on internal assessments and University Results are conducted periodically to assess the performance of students. Slow learners are identified based on Internal Assessment marks and corrective actions are initiated. The institute organizes enrichment program, industrial visits, expert lectures for enhancing the employable skills of the students.

Teaching-learning and Evaluation

Criteria 2 explain the teaching-learning process that is happening in CSICE. It starts right from the student enrolment. Student enrolment process happens according to the norms of the Anna University. The students are admitted through single-window counseling and through management. After the admission, the students go through a bridge course which enables them to adapt to the new curriculum. Through the course of the study, the slow learners are identified and given special attention. The concepts are also taught to them in their vernacular. We have a properly organized year planner which summarizes the schedule for the year. This includes dates for the three internal tests, dates for departmental functions like symposiums, workshops, seminars etc. Internal tests are conducted with adherence to the schedule. Apart from the conventional methods of teaching, the institution takes measure to keep pace with the new technological advancements in education. Teachers are given permission to attend seminars, workshops, conferences, etc., to keep them updated. Utmost care is taken to ensure that evaluation process is transparent, time-bound and efficient. Finally, it is ensured that the student makes the best of the facilities given, thereby achieving the learning outcomes

Research, Innovations and Extension

This Institution is thriving to do a lot more in the area of Research, Innovation and Extension. However, enough has been done in the area of extension activity. College management encourages submitting research proposals and funded projects by the UGC. Staffs publish their research journals on National and International Journals.

This institution has an R&D cell from 2014 and Innovation and Incubation center which was started in the year of 2018 and CAD – CAM lab and project lab have been connected into the incubation center. Through IIC Workshops, Seminar for staffs and students conducted to create the new ideas by conducting the programs. Several collaborations are made with industries, training institutions and research institution for purpose of research collaboration and training students in college. This institution is also actively involved the extension activities to help society by its services. This institution has NSS and a contingent of NCC and YRC through which college renders social community services. Besides organizing blood donation camps, environmental awareness programs and tree plantation, eye camp programs. Under UBA scheme institution has adopted five villages namely Thoothoormatam, Kolacombai, Thaimalai, Melur and Melur Hosahatti. Volunteers took part in Swatch Bharat cleanliness drives in adopted villages. The institution of Green Engineers (IGEN) connects green professionals across the globe, and works towards Sustainable Development Goals (SDG) and provide solutions to a sustainable greener world through 17 goals. Out of 17 goals IGEN club in this institution concentrate on goal no 7 (Affordable green energy) and 13 (Climate action). The Unit of NSS secured best NSS unit awarded by Anna University in 2020. The NSS officer of this institution received best NSS officer award. The Institution awarded as best institution in Project Expo- 2020. This institution was appreciated by district administrative for externals activities.

Infrastructure and Learning Resources

Since ours is the only engineering college in the district our management makes sure we have the best infrastructure possible to provide to our students. The college has individual classrooms for all the courses with projectors and every department has their own seminar hall. The common auditorium and conference hall helps in providing for our cultural and technical activities. Every department has their own computing facility according to their curriculum needs. All the classrooms and laboratories are equipped with needed furniture's and equipments which are maintained and calibrated for better learning ambience. The institution has policies on updating the infrastructure every semester to equip ourselves for the curriculum provided by the university. The library is governed by library committee who oversees the better functionality of the library and accession of new books. System Administrators takes care of our IT facility maintaining and updating them round the clock. Our college website houses the LMS where the students are monitored by their marks and attendance. All our lecture materials are posted on the website helping students to get them worldwide. Electrical support team sees the easy working of college and maintenance of the infrastructure.

Student Support and Progression

Several Scholarships are supported by the State and central government. Students are informed of all available funding sources and the institution is committed to guiding them in securing these funds. The institution library has a special section equipped solely for Competitive Examination books. Moreover, coaching in GATE, soft skills, Interview skills is proposed by various private organizations. A Grievance and Redressal, Anti-ragging cell works effectively to address any significant issues related to human rights abuses, gender bias or social discrimination each block contains a suggestion box. The college placement and training cell works in coordination with students to enhance their skills and ability to find suitable Employment as well organizes on-campus and off- campus placement campaigns with leading industries and companies to offer better career to students. The college encourages and motivates the students to compete in various sports, games, cultural and extra –curricular activities. Students interested in sports are well trained by physical director. Alumni members play an active role in the development of the college. Alumni act as a bridge between business and students by giving knowledge in the newest technologies

Governance, Leadership and Management

The institution is established by Church of South India Trust Association Coimbatore diocesan council (CSITA) and it is governed by a governing council.

The Institution has intelligibly defined vision, mission in pace with the objectives of Higher Education to promote and contest national and Industrial requirements. The governing council works with the principal to help set and monitor the direction of the college. Faculty, administrative staff, non-teaching staff, and students are all assigned roles in institutional governance. The institution's short-term goal is to attain autonomous status. The institution's long-term goal is to launch a microsatellite in collaboration with the Tata Institute of Fundamental Research for the benefit of residents of the Nilgiris district.

Perspective plan is made by the institution to impart quality education with well defined strategic plans to achieve its Vision and Mission. This institution is administered by Management Committee appointed by the Bishop Chairman, in consultation with the office bearers and executive committee of the diocese, which is an elected body once in three years. The appointment will be made by calling application through advertisement and through announcement made in the churches in seven districts. The selection of staff, there after regularization and service rules are governed by the rules and regulations stipulated in the HR policy.

The welfare measures offered by the institution ever since its inception are Retirement Benefit Scheme, Employee Provident Fund, Fee Concession, Higher Studies, Staff welfare Fund and Festival Bonus. Performance appraisal will be done for all the teaching every year from 1st January to 31st December. The Resources for funds mobilization is mainly from tuition fees from the students. Institution is eligible for funds through funded projects from government and other agencies by submitting proposal for research project. Expenditure will be mainly made based on an approved budget on priority basis towards academic requirements. The institution has well maintained accounting system monitored by accounts officer and accounts assistants. The accounts officer is professionally qualified in operating Tally and ERP software. The records maintained by the accounts department are subjected for auditing for both and internal and external audit.

Institutional Values and Best Practices

In this institution values and best practices are supported by documentation in the attachments. The institutional values and social obligations, such as gender equity, environmental awareness and sustainability, accessibility for people with disabilities, inclusion and situatedness, and human values and professional ethics. Best Practices and institutional distinctiveness are the other two key elements that fall under these criteria. Several programmes for women's empowerment that were organized are included under gender equity. Solid waste management, efficient power use, rainwater harvesting, and other varied green techniques that are used on the premises are mentioned under environmental consciousness and sustainability. Our college offers accommodations for students with different abilities, such as ramps, restrooms, scribes for exams, and Braille software designed specifically for physically challenged students. The institution and the local community enjoy a friendly relationship, as seen by inclusion and situatedness. Many events, including eye camps, blood donation camps, and medical camps, have been planned by us. Human values and professional ethics improve the organization's code of conduct, basic principles, human values, and other principles.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	CSI COLLEGE OF ENGINEERING
Address	CSI COLLEGE OF ENGINEERING KEETI THE NILGIRIS-643215
City	KETTI
State	Tamil Nadu
Pin	643215
Website	www.csice.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	P. D Arumairaj	0423-2517474		-	
IQAC / CIQA coordinator	A. Faizur Rahman	0423-251758	9500247883	-	faizur@csice.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	Yes minority status final.pdf
If Yes, Specify minority status	
Religious	Christian
Linguistic	Tamil
Any Other	

Establishment Details				
State	University name	Document		
Tamil Nadu	Anna University	View Document		
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC	27-07-2017	View Document		
12B of UGC	27-07-2017	View Document		
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-07-2022	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	CSI COLLEGE OF ENGINEERING KEETI THE NILGIRIS-643215	Hill	25.3	16047

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering	48	HSC	English	120	60
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	5
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	18
UG	BE,Mechanical Engineering	48	HSC	English	120	12
UG	BE,Civil Engineering	48	HSC	English	60	1
UG	BTech,Information Technology	48	HSC	English	60	37
PG	ME,Computer Science And Engineering Pg	12	BE B.Tech	English	18	16
PG	ME,Power Electronics And Drives	12	BE B.Tech	English	18	11
PG	ME,Manufacturing Engineering	12	BE B.Tech	English	18	9
PG	ME,Structural Engineering	12	BE B.Tech	English	18	9

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	1				3				106			
Recruited	0	0	0	0	3	0	0	3	57	49	0	106
Yet to Recruit	1				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				80
Recruited	45	35	0	80
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				18
Recruited	14	4	0	18
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	3	0	0	5	2	0	10
M.Phil.	0	0	0	0	0	0	4	6	0	10
PG	0	0	0	0	0	0	49	41	0	90
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	368	4	0	0	372
	Female	172	2	0	0	174
	Others	0	0	0	0	0
PG	Male	36	4	0	0	40
	Female	20	0	0	0	20
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	13	6	50	64
	Female	16	5	31	42
	Others	0	0	0	0
ST	Male	2	0	2	2
	Female	2	0	2	6
	Others	0	0	0	0
OBC	Male	37	36	71	108
	Female	25	12	40	50
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Others	Male	5	0	12	19
	Female	7	0	5	11
	Others	0	0	0	0
Total		107	59	213	302

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	In order to develop the all-round capacities of the students-intellectual, aesthetic, social, physical, emotional and moral in an integrated manner, the college is preparing to include multidisciplinary subjects as per the National Educational Policy 2020. Keeping in view the problems faced by the students, the college is planning to setup short term and vocational courses. The aim is to make the students equipped, so that they don't need to rely on Government jobs but instead pave away towards self-employment. As the College is preparing itself to have more of multi- disciplinary subjects it tries to identify the programme learning outcomes along with courses and unit learning outcomes that define the specific knowledge, skills, attitudes and values that are to be acquired by the learner and would ensure the teach programme achieves its goal.
2. Academic bank of credits (ABC):	Regarding the implementation of Academic Bank of Credits, the institution has to wait for the academic council to give a green signal. The pedagogical approach of the institution is students Centric where the faculties' pedagogical approaches are constructivist, inquiry-based reflective, collaborative and integrative. Summative and Formative assessments and assignments are used to evaluate the student's learning outcome.
3. Skill development:	The vision of the college is promoting Value-Based Quality Education; hence the college takes efforts to inculcate positivity among the learners. The college also celebrates National festivals like Independence Day and Republic Day. Observing various programmes like World Aids Day, Environment Day, observing the Death and Birth Anniversary of our National leaders which help in imbibing the good qualities of the students. Mentoring students is also one of the practices of the institution, to enable students to explore future employment path ways after graduation, and help them get the most of their studies.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Since we are an affiliate of Anna University, we are not free to introduce additional languages. Nonetheless, they now offer a provision for communication in two languages. Future plans for language preservation and promotion at one of the colleges. Preservation and promoting of languages is one of the target of the College in future

5. Focus on Outcome based education (OBE):	The College also makes an effort to understand that a pursuit of knowledge is a life-long activity and to acquire positive attitude and other qualities which will lead students to a successful life. To interpret, analyze, evaluate and develop responsibility and effective citizenship is one of the programme outcomes of the students.
6. Distance education/online education:	The College is also preparing itself to offer vocational course through ODL (Open Distance Learning). The various technological tools used by the faculties especially during the pandemic lockdown are Google Classroom, Zoom, and Google, using videos as teaching and learning aids, Group collaboration and interaction and assignment and revision as well as the assessments have been conducted are some of the institutional efforts towards blending learning.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	With the aim of strengthening the culture of electoral participation among young and future voters Electoral Literacy club was started in our institution during 2018-19. Electoral Literacy Club (ELC) is a platform to engage college students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the process of name registration in electoral roll.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	As per the instruction received from Election Commission of India (ECI) students coordinator and faculty coordinator for ELC has been appointed by the college and ELC functioning in our institution.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior	With the support of assembly constituencies, our ELC club hosted no of awareness programs to our students on 100 % and Ethical voting. Election tahshildar from Ooty and Coonoor constituency created awareness among the students and staff members. Mock voting also done for first time voters during the campaign. Applications were received to enroll them as a voter.

citizens, etc.	
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Election fest (Intercollegiate competition) was conducted in association with Taluk office, Coonoor and 110 Assembly Constituency. Ms.Innocent Divya , Honorable Collector, The Nilgiris was the Chief Guest for the Programme and addressed the gathering. A signing camp was arranged in the college gate and cultural events also conducted. Mr.Dinesh, Tahshildhar, Coonoor Taluk, Mr.Babu Ketti Revenue Inspector & Mr.Deepak Village Administrative Officer were fully supported with Volunteers on conducting this event. Trophies & Certificates were given to the winners for various events by Sub Collector. FLASH MOB - Dance and cultural was performed by our students at Coonoor to create awareness among public on ethical and 100% voting.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	After obtaining count of students who are yet to be enrolled as voters in the electoral roll, applications forms will be given to filled forms been collected then and there and handed over to Taluk Office.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
606	647	781	1064	1136

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 157

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
110	113	107	109	131

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
161.08	80.54	130.94	158.02	207.99

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

This institute has a strong mechanism to ensure effective curriculum planning and delivery and this mechanism is documented as shown below.

Academic Calendar

The academic calendar is prepared every year which accords to the objectives of the curriculum delivery and enables effective execution.

The following activities are scheduled in the academic calendar, semester-wise for seniors, first years & PG students.

1. Commencement date for I, II, III & IV years
2. Commencement date for PG students
3. Orientation program for I year
4. Date of commencement of internal tests
5. Date of commencement of Remedial coaching
6. Workshop / Conference
7. Last working day
8. University examination
9. Government Holidays

Course Allocation

Subject Allocation is done prior to the commencement of each and every semester. Based on the preference, subject knowledge, expertise, performance and students feedback in the previous years, the staff are allotted for the respective subjects.

Time Table

Master and Individual time tables are formulated and the sessions are allotted based on the course credits and the staff and lab occupancies.

Lesson Plan

Each faculty member designs a comprehensive lesson plan for theory based on the credit specified in the course to deliver the subject content in 1.5, 1.5 & 2 units for IT I, II & III before the commencement

of every semester for the smooth progression in the academic aspects of a semester. Lesson plan includes text books, reference books, web resources and ICT tools and it is approved by the HOD.

Preparation of Course file

Every faculty member prepares the course file for theory sessions, which contains the following documents

1. Syllabus duly signed by HOD
2. Course objectives and outcomes
3. Lesson Plan
4. Lecture notes
5. Two mark question and answer for 5 units
6. Internal test question paper I, Answer key, Mark list
7. Internal test question paper II, Answer key, Mark list
8. Internal test question paper III, Answer key, Mark list
9. Three sample answer scripts
10. Student Nominal Roll
11. Assignment
12. Internal marks
13. University question paper & Grade
14. Log book
15. CO - PO Attainment

Course delivery

Various instructional approaches and pedagogical programs such as seminars, tutorials, field visit, project work, and continuous internal assessments for theory subjects are used.

Monitoring the course delivery

The Principal and the Head of the Departments monitor the course delivery and its completion periodically. Syllabus coverage and any other issues relevant to the course delivery are enhanced from the feedback through class committee meetings. Student feedback is collected at the end of every semester. Corrective measures are identified and implemented.

Internal Test Evaluation

Three internal tests are conducted under 2017 regulation and two internal tests are under 2021 regulation through the college examination cell.

The question paper is prepared by the faculty member based on bloom's taxonomy. It is reviewed and approved by the HOD for its standard. The answer sheets are printed following the university format. After correction by the faculty member, the answer scripts are viewed and signed by the students. Progress report for every internal test and attendance is sent to the parents. Result analysis is carried out by the HOD and the Principal. The weak students are identified and they are given remedial coaching.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

File Description	Document
1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)	
Response: 52	
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Other Upload Files

1	View Document
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1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 36.35

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
227	257	325	353	377

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

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

Response:

The institution rigorously follows the curriculum prescribed by Anna University. The curriculum includes courses relating to professional ethics, gender, human values, environment and sustainability. This helps us to impart holistic education to the students to develop them as engineers, entrepreneurs and professionals who are socially sensitive, ethically and environmentally responsible.

Professional Ethics

The students of this institution undergo a course study on Professional Ethics. All the faculty members and students follow a proper dress code and wear identity cards. Practicing mutual respect, tolerance and fairness in dealing with others are encouraged to sustain and grow in modern environment & society through NSS & NCC. Yoga classes enable the students to improve their physical fitness and self-confidence in achieving inner peace and mindfulness.

Gender Issues and its solutions

The idea of women empowerment is incorporated in environmental science & engineering course prescribed by Anna university. A Women Empowerment Committee is formed with one of the senior female faculty member as a convener and other female faculty members as members of the committee. This committee provides an exclusive platform to the women employees and the girl students to speak out their grievances either in person or in writing through suggestion box. It organizes awareness programs for girl students to create awareness on woman harassment and employability.

Human Values

Human values and Value education are imparted to the students through professional ethics and environmental science and engineering course prescribed by Anna University. It is implemented in the college through NSS and NCC units.

Some of the activities include visit to Old age home, Participation in Rural development, Blood donation camps, Participation in Covid awareness activities, Donating clothes, Organizing Eye checkup camp for the tribals, Cleaning the surrounding places, Adoption of a village & Yoga day. Such initiatives are oriented towards the realization of National Missions like Swachh Bharat and Unnat Bharat Abhiyan.

Environment and Sustainability

As per the prescribed syllabus of Anna University, Students of all branches of study undergo a course on Environmental Science and Engineering in the II / III / IV / V semesters. Students from Information Technology and Civil Engineering undergo a course on Air Pollution and Control Engineering as open electives. Students from Civil Engineering undergo courses on Waste water engineering and Water and Waste Water Analysis Laboratory sessions. Students from ECE undergo Waste Water Treatment course in their VII semester.

The entire Nilgiris district is focussing on environmental protection and sustainability. Plastic is banned only in Nilgiris District in Tamilnadu for environment protection. The same is implemented in this institution. It is also implemented in the nearby Hatties and rural villages through awareness by the students.

The institute organizes Tree Plantation programs, Distributes LED bulb to the public and conducts awareness programs through IGEN Club for the protection of the environment

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 45.38

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 275

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 31.12

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
178	107	59	213	302

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
552	552	552	552	552

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2 Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 40.79

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
161	95	56	196	271

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
382	382	382	382	382

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio**2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)****Response:** 5.51**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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process****Response:**

The teaching learning process in CSI College of Engineering is based on student-centric learning by empowering the students to think critically, respond with confidence and pose questions without reservations. The Institution follows 2017 and 2021 Anna University regulation which is based on students centric – OBE and CBCS methods.

Experiential Learning:

Conventional lecture method is followed in almost all theory classes. Apart from this, the students are encouraged to do things creatively. Students are given periodic assignments where they are given space to think and act independently. Students are given new topics which prompt them to refer various books and the internet, to do some research and prepare the assignments.

Individual Learning:

Independent learning is achieved through assignments and class seminars. Students are given the responsibility of organizing and conducting class seminars related to a new topic which enables them to do research on a particular topic and gain knowledge accordingly. The students are asked to submit mini projects which help bring out the creativity in them.

Problem Solving Methodologies:

The students have to select the projects by their own interest by guidance of the faculty member to modify and improve creatively using latest technologies. Case study methodology and journal reference is used to enable students to learn problem solving techniques.

Participative Learning:

Students are encouraged to participate in add-on courses which are conducted by the departments. IIC is functioning in our campus through which many programs are organized and guest lectures are arranged to enhance individual skill development. Students participate in conferences, symposiums, seminars, quiz and various inter & intra college events. Symposiums are organized in various departments where the students participate in different activities like Quiz, paper presentation, short film production, debate, treasure hunt, marketing, photography competition, which bring out the creativity and critical thinking of the students.

The students are encouraged to do research projects and internships in various industries during the vacation so that they gain knowledge about the recent trends in the engineering field.

ICT Tools:

CSI College of Engineering, being a technical institution, encourages intensive use of ICT enabled tools including online resources for effective teaching and learning process. The faculty members use LCD projectors, video conferencing and other e-learning technologies for delivering resources to the students. As a part of teaching learning process, prior to the commencement of each semester, faculty members prepare the course plan and identify the following delivery methodology based on IQAC formats. Theoretical subjects are taught using Power point presentations and simulation and working models are presented through Videos with the aid of ICT tools for better visual impact on the students learning process. The Institution possess various resources such as multimedia projectors, Computers, Laptops, Wi-Fi, LAN connected systems centralized data server and adequate internet facility. General ICT tools used by CSI College of Engineering faculty members are Desktops, Laptops, Projectors, Printers, Pen drives, Zoom Class, and Mobile WhatsApp.

File Description	Document
Upload Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years				
Response: 100				
2.4.1.1 Number of sanctioned posts year wise during the last five years				
2021-22	2020-21	2019-20	2018-19	2017-18
110	113	107	109	131
File Description		Document		
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)		View Document		
2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)				
Response: 10.88				
2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years				
2021-22	2020-21	2019-20	2018-19	2017-18
14	13	13	11	11
File Description		Document		
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.		View Document		
Institution data in the prescribed format		View Document		
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities		View Document		

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The Institution prepares Academic Calendar before the commencement of semester based on Academic Schedule given by Anna University.

Internal Examination:

Internal examinations are conducted to award internal marks for students with utmost care, transparency and fairness. Question papers are prepared for internal test by respective faculty members based on blooms taxonomy. Faculty members ensure that the students are aware of the Internal Assessments Evaluation Criteria which is discussed with them in detail to enhance transparency and rigor with the view to focus on individual and original work. In case of malpractice in internal examination, the Invigilator immediately hands over the concerned booklet to the exam cell and disciplinary action will be taken based on the nature of offence.

The institution conducts three internal tests for (2017 - Regulation) and two internal tests for (2021 - Regulation) per semester under scheduled dates with prior intimation by circular to the students and faculty members. The exams are conducted in allotted with one invigilator per 25 students.

The corrected answer scripts are issued to the students within three working days. The students are to check the answer scripts and sign them, and then the answer scripts are being randomly checked and verified by the respective HOD and the Principal. The internal marks are then uploaded in the Anna University website along with that particular phase attendance.

The students can view their internal marks from the respective student login. The internal marks are consolidated and progress report is sent to parents at the end of every internal test with corresponding faculty member and HOD's comments. In case of poor performance the parents are being called and necessary counseling is given to the student in the presence of the parents.

External Examination:

As per University guidelines end semester examination is being monitored and conducted by the allotted invigilators. Discrepancies in question paper noticed by Students are intimated to Exam Cell by the respective invigilator. Exam cell coordinator represents discrepancies to Anna University through the Chief Superintendent. If any malpractice is observed during University examination, it is referred to Examination Cell and is dealt with as per the University guidelines.

Evaluation Process:

Answer Scripts are being evaluated under Center for Valuation by Anna University and University appoints faculty members for evaluation. Students can apply for re-evaluation of their answer scripts within a week from the declaration of results, if they are not satisfied with their marks. Students have

provision for receiving photocopy and applying for revaluation of answer scripts. Faculty member concerned evaluates the photocopy and recommends for revaluation. University publishes revaluation results after completion of the process. Students can apply for challenge revaluation if they have any disagreement with revaluation result. Amount paid for challenge revaluation is refunded, if the student gets a higher grade.

File Description	Document
Upload Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

The vision and mission statements of the institution and individual departments are formulated and approved by the governing council. The vision and mission statement of the institution are displayed in the Principal's office, board room, student handbook, college website and in each department.

The Program Outcomes (POs), Program Educational Outcomes (PEOs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) for all the courses are given by the Anna University in the curriculum. It is mandatory for each and every faculty member to make sure that, at the end of every course, the COs and POs are attained successfully. This is effectively monitored by the head of the departments and the Principal. The Program outcomes and course outcomes are published on the institute website and displayed in prominent locations inside the institution. The respective subject faculty member explains the course outcomes to the learners. The objectives and outcomes of each topic are explained to the learners for a better understanding and to create confidence among the learners to take the university examination.

Attainment of Program Outcomes (POs) and Course Outcomes (COs)

Faculty members are aware of Program and course outcomes by attending different Programs arranged by the institution. Level of attainment and CO targets are quantized into 3 levels and the aim is to attain Level 3.

Level 3 (70% students scoring ? 70% marks)

Level 2 (60% students scoring ? 70% marks)

Level 1 (50% students scoring ? 70% marks)

Attainment of the course outcomes is done through direct and indirect methods. In the direct method, three internal assessment marks and assignments/seminars/projects are considered as internal tools. The end semester examination comes under external tool. Indirect attainment of Course outcomes is determined by the course end survey at the end of the semester.

The proportional weightage of Internal test and End Semester Examination are set as per the academic regulations: 2017 (20:80), 2021 (40:60). Inattainment of course outcomes, 80% and 20% weightage are given to the direct method and indirect method respectively. Internal tools are given 40% weightage which includes internal tests (25%) and assignments (15%). External tool is given 40% weightage.

The Course outcomes, Program outcomes and Program specific outcomes are used to draft the articulation matrix for individual courses. All course outcomes are mapped to certain Program outcomes to compute the attainment of Program outcomes. Course outcome gap is analyzed and fixed through content beyond the syllabus. Attainment of Program outcomes for a particular batch is done through indirect attainment such as student exit survey, employer survey, industrial visits, internships, and video lectures.

If attainment of course outcomes have to be mapped for a new course, it is mapped for that particular semester and the average of the overall score is set as the target for the upcoming semester.

File Description	Document
Upload Additional information	View Document

2.6.2 Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words

Response:

CO – PO attainment computation is made for the subject Modern Power Convertors (EE8004) for the VI semester. The targets are quantized into three levels.

Level 3 (70% students scoring ? 70% marks)

Level 2 (60% students scoring ? 70% marks)

Level 1 (50% students scoring ? 70% marks)

Attainment of COs is measured through direct and indirect methods. Minimum score for internal and Anna University pass percentage is 50%, minimum score for assignment is 6 out of 10 and Course End Survey is 3 out of 5. Weightage provided for internal mark is 25%, assignment 15%, Anna University result 40% and Course End Survey 20% to attain course outcome. Course outcome target is fixed as 2.6 based on the previous semester marks. Course outcome description is given as prescribed in the syllabus. Maximum marks given for the internal test is 50, assignment is 10, Anna University exam is 100 and Course End Survey is 5.

CO – PO attainment is mapped for 5 students. All the students have to take up 3 internal tests. All the internal test question papers are set based on the Bloom's Taxonomy and COs of the course. The subdivisions in the question paper are Part-A, Part-B and Part-C. Part-A contains 5 questions which carries 2 marks each. Part-B contains 2 questions which carries 13 marks with choice. Part-C carries one 14 marks question with choice. Internal Test – I covers unit – I and first half of the unit – II. Internal Test – II covers second half of unit – II and unit – III. Internal Test – III covers unit IV and V.

After completing each unit an assignment will be given to the students with maximum marks of 10. At the end of the semester Course End Survey is collected from the students. Anna University results, which are published in grade and converted to marks. The overall score for each CO is achieved as 2.6, which is equal to the fixed target. CO target is achieved for this course.

CO – PO/PSO articulation matrix is done by the POs given in Anna University syllabus. CO1 is highly correlated with PO1, PO4, and PO5 and correlated moderately with PO3 and PO7. CO2 is highly correlated with the POs 3, 4, 5, 7; moderately correlated with PO1, PO9 and low correlation with PO8, PO11 and PO12. CO3 is highly correlated with PO1, PO3, PO7; moderately correlated with the POs 4 and 5 and low correlation with PO2, PO6 and PO10. CO4 is highly correlated with PO1, PO3, PO4, PO5, PO7 and low correlation with the POs 8, 9, 10, 11 and 12. CO5 is highly correlated with PO1, PO3, PO4, PO5, and PO7 and moderately correlated with PO9 and low correlation with PO2 and PO9.

PSOs are not provided in the Anna University syllabus for this course. CO-PO/PSO articulation matrix gives the PO attainment. PO attainment for PO1 is 2.8, PO3, PO4, PO5 and PO7 is 2.4, PO9 is 1.4, PO2, PO6, PO8, PO10, PO11 and PO12 is 0.9. Similar method is followed to map CO – PO attainment for all the courses.

File Description	Document
Upload Additional information	View Document

2.6.3 Pass percentage of Students during last five years (excluding backlog students)

Response: 79.26

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
163	274	265	168	173

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
209	274	265	316	252

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.62	
File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - 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 last five years (INR in Lakhs)

Response: 8

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	2.5	2.75	2.75	0

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

This institution has established a Research and development cell in the year 2014 and was later converted in to Innovation and Incubation centre (IIC) in the year 2018. Innovation and incubation centers organize programs to promote learner-centric environment and quality research in the college campus. The innovation cell also covered entrepreneurship and collaborative product development activities. In continuation to the product development activity, CSICE Tech Park in collaboration with LAMS Automation Pvt. Ltd is established in the year 2022 exclusively for innovations, product development under LAMS Automation Pvt. Ltd.

Innovation and Incubation center (IIC)

The innovation and incubation center was started to bring out the innovative ideas in students and encourage them to come out with various technical patents and inventions. The following are the patents so far developed through the IIC.

- 1.Habara plant fiber reinforced composite material, 25th day of March 2022.
- 2.Prevention of cyber-attacks on health care organizations using IOT, cloud computing and machine

learning approach, 11th February 2022.

3. Combinatorial traditional plant product as anti-viral agent its delivering apparatus and method of operating, 24th September 2021.
4. A reinforced ABS composite material of spider silk and Aramid fiber along with Graphene for fabrication of unmanned aerial vehicles, 9th September 2020.
5. Temperature monitoring device and a method for operating the same, 5th may 2020
6. Smart ticket management system has certified for grants, 10th December 2019.

Activities

Necessary steps are being taken for the registration and commercialization of the products has organized a Two-day Workshop was conducted on IOT through the department of Computer Science and Engineering on 21-10-2019 and 22-10-2019 in which 71 students participated. A two-day online workshop was organized on "IOT and its application with Machine Learning" on 15-06-2019 and 16-06-2019. A three-day Workshop on Embedded System with IOT was conducted on 11-05-2022 to 13-05-2022. The resource persons enlightened on various protocols and innovative IOT projects for the students.

R&D and IIC joined hands with Society for Aerospace and Mechanical Engineering Professionals in project expo-2020 and the institution was awarded the best institution on the occasion of 5th national convention and national conference & MEMSAAS-2020, held on 24-01-2020 and 25-01-2020.

CSICE R&D, IIC and Mechanical Engineering department jointly organized a webinar on "How to Publish Research Article in Scopus Indexed Papers" on 21-01-2021. Detailed procedure for publishing a Research Paper in reputed journals was highlighted. The final year students of various department including post graduate students participated in this webinar.

File Description	Document
Upload Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 112

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
25	20	23	22	22

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.43

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
11	15	12	15	15

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Institutional data in the prescribed format	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.08

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
7	1	0	3	1

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document

3.4 Extension Activities

3.4.1 Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

NATIONAL SERVICE SCHEME

“Not Me, But You” With this moto, the NSS Unit of this institution is always at forefront in implementing various programs for the benefit of public in association with government and private agencies. The NSS unit has conducted and organized many events as listed below.

- Screening eye camps in many villages for the benefit of the cataract population.
- Organizing tree plantation campaigns.
- “Sweep Blue Mountain Program” is one such program to ‘Say no to plastics’ Organized by NSS unit.
- Organized International Yoga day celebrations in the campus to promote mental and physical well-being.
- *Organized awareness Program on Health and Hygiene*
- During the pandemic (COVID -19), NSS unit distributed face masks and soaps to the District Administration. Ggroceries/provisions distributed to the adopted villages.

UNNAT BHARAT ABHIYAN

Unnat Bharat Abhiyan (UBA) which is flagship of our Hon.Prime Minister is a much needed and highly challenging initiative to promote development in rural areas which focuses on the basic needs like food, clothing, shelter, sanitation, health care, energy and livelihood.

Under UBA scheme, This institute has adopted five villages namely Thoothoormattam, Kolacombai, Thaimalai, Melur & Melur Hosahatti.

SWATCH BHARAT

Volunteers took part in Swatch Bharat cleanliness drives in the adopted villages and also in the campus.

YOUTH RED CROSS

The gift of blood is a gift to someone's life. Our Youth Red Cross (YRC) unit along with NSS unit

conducts regular blood donation camps and the students and staff are regular donors during times of emergency. In this institution organized 5 blood camps and our students and staff donated 265 unit of blood.

ECO - IGEN ENSAV CLUB

The institution of Green Engineers (IGEN) connects green professionals across the globe, and works towards Sustainable Development Goals (SDG) and provide solutions to a sustainable greener world through 17 goals. Out of 17 goals IGEN club in this institution concentrate on goal no 7 (Affordable green energy) and 13 (Climate action).

The IGEN-ENSAV Club was inaugurated in the year 2021 by IGEN president Mr. L. Ramesh and Energy Ambassador Mr. Madan Kumar via Online Mode. 50 Students participated in oath-taking to conserve energy and water. The IGEN club promotes to make the college campus an eco-friendly and spread knowledge about energy conservation in the villages in and around. Through IGEN club, 12 numbers of activities conducted and sum of the nature of the activities are listed below.

1. Planting of saplings.
2. Donated LED Bulbs.
3. Creating awareness to the villages nearby for the conversion of Red shops to Green shop which saves energy conversation.
4. Creating awareness through Marathon and Rally.
5. Internal energy auditing around the college campus.
6. Green Day Celebration and Oath by staff and students.

File Description	Document
Upload Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Institutional awards

1. The Institution secured the second place in the 16th Government Rose Show which was conducted in the year 2018.
2. The institution won the Best institution award in the Project Expo – 2020 conducted by the Society for Aerospace. This Expo was conducted to encourage Energizing budding innovators and this award was presented especially to recognize the institution's outstanding and sustained contribution to the Engineering Institutions and the Society at large.
3. The Institution was also awarded the Best Organizer Award by the Tamilnadu Karate Association for organizing a Summer Camp in the institution for the year 2022.

4. The Institution of Green Engineers (IGEN) received the EnSav Club Membership Certificate for commemorating the formation of the EnSav Club from the Energy Efficiency research groups.

NSS award for unit and unique

The NSS Unit of this institution functions as the backbone for most of the students' activities in respect and social awareness extending its helping hands far and wide to reach people during times of need and emergencies. The NSS unit of this institution which is familiar of the situation in the nearby villages is always at pace with the exigency of the residents and is extra prompt to cater to their needs, This unit also create awareness in the society and encourages the students and public in social awareness activities like tree planting ,blood donation ,cleanliness etc. Their strenuous and diligent work carried by the NSS unit is recognized with the following awards.

1. The Institution won the Best NSS Unit award by Anna University, Chennai 2019-2020.
2. The NSS unit on won The Lions Club Team award for conducting NSS Camp in Tanngadu Village in the year 2017.
3. The Institution received a certificate for Best Camp Organizer on the National Voluntary Blood Donation Day in the year 2019.
4. The NSS unit received a certificate for successfully organizing the Fit India Freedom Run 2.0 in the year of 2021.
5. The NSS unit was appreciated and congratulated for cleaning the plastic waste on the National Highway from Coonoor to Mettupalayam from 01/09/2019 to 29/09/2019.
6. Certificate was provided for 21 NSS students by the Executive Director of the Tea board for disseminating the board's welfare schemes for the SC/ST small tea growers.
7. The Best NSS Programme Officer award was presented to Mr. R. Pradab by Anna University, Chennai 2018-2019.
8. The NSS officer won the University level Best NSS Programme Officer to Prof. R. Pradab by Anna University, Chennai 2020-2021.
9. The NSS officer was appreciated for his active participation in making arrangements for the election events conduction inside and outside the college campus creating awareness on 100% voting and importance of youth in voting by the district administration in the year 2019.

File Description	Document
Upload Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 69

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	12	20	13	6

File Description	Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 14

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

This College has a region of 25.3 acres with a built-up area of 16047 Sq.m with adequate facilities for studies. Infrastructural facilities available are classrooms, laboratories, computers, HOD cabins, staff rooms, auditorium, seminar halls, central library, common rooms, hostels.

Departments:

Every department has its own self-contained buildings connected with the classrooms, laboratories and other facilities.

Classrooms:

The institution has 41 classrooms, 2 drawing halls which adds to 1653 Sq.m area. The classrooms are suitable for computerized and classical methods of teaching.

Laboratories:

The institution has 42 laboratories with qualified technicians satisfying the requirements which adds to 5852.93 Sq.m area.

ICT facilities:

The institution has 341 computers, and users are provided with a separate system. Centralized data servers provide additional storage. The Internet is available throughout.

Library:

The institution has a library with an area of 500 Sq. m. It has three sections namely lending, reference and journal, and contains 27017 volumes including 9775 unique titles and 295 book banks. The library functions from 9:00 A.M to 5:30 P.M.

Sports:

The institution provides indoor and outdoor sports activities. The students exercise their skills efficiently using a wide range of equipment. It has Open Ground to conduct Volleyball, Handball,

Ball Badminton, Cricket, Football, Kabadi, and Athletics. Indoor games supported are Table Tennis and Chess.

Auditorium and Seminar Hall:

The institution has an indoor and outdoor auditorium to host functions, also has musical instruments, audio mixers to fulfill the demanding requirements. The indoor auditorium is 350 Sq.m. Open-air auditorium is present to conduct outdoor ceremonies. Seminar halls are present for conducting seminars and training.

Cultural/Professional activities:

Various programmes conducted are Annual Day, Graduation Day, Conferences, Symposiums and Cultural Events.

Gymnasium:

The institution has a well-equipped gym with a total area of 137 Sq.m, different timings are allotted for boys and girls to utilize.

Yoga Center:

All Yoga exercises are done in an open auditorium. The institution celebrates international yoga day every year.

Hostel:

The institution has separate hostels for boys and girls which can accommodate 500 boys and 164 girl students. A caretaker is present inside the girl's hostel, to support them. Separate reading rooms with newspapers and magazines are present. Guest rooms are available for the guests

Transportation:

Transport facilities are provided by covering a range of 80 km. The institution has 7 buses, light vehicles to facilitate transport.

Amenities:

ATM/Healthcare/Post Office:

ATM is available inside the college campus, SBI bank resides opposite to the college, a post office and a government primary health care centre is present nearby to the college.

Canteen/Store:

The canteen provides varieties of food, snacks, soft drinks and ice cream, and serves the needs by morning and noon, vital stationary items are available in the stores, a branch of it functions inside the girl's hostel.

Safety and security:

Security is ensured by the security personnels in the campus. Fire extinguishers (50) and CCTV cameras (21) are installed across the blocks.

File Description	Document
Upload Additional information	View Document

4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 3.11

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
1	3	4	0	15

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

Central Library

This institution has a spacious central library and information center with reprography section, lending section and reference and journals section. The library has an area of 500 Sq.m. It also has a well equipped computerized library to satisfy the intellectual demands of our students and faculty members. It contains

27017 Volumes which include 9775 unique titles and 295 book banks.

Digital Library

Integrated Library Management System (ILMS)

Name of the ILMS software: Autolib

Version: 5.1

ILMS is to build up an automated library collection, and it has been in use since 2001. It provides the following operation capabilities

1. Cataloging of Library Resources and Database Maintenance
2. OPAC (Online Public Access Catalog)- Simple Search
3. User transaction (issue, return and reservation)
4. Database report
5. Stock verification

Online Public Access Catalogue

The Library's Online Public Access Catalog (OPAC) can be accessed through the Internet and intranet to search for all the bibliographic records available in the library's database. The OPAC can be searched by author, title, subject, keywords, publisher, and class number. The OPAC also provides information about new arrivals of journals and books, issued books, on-shelf books, etc.

Subscribed Resources

DELNET has been actively established with the compilation of various Union catalogs of the resources available in the member libraries (Nearly 6500 libraries are integrated in our country). It aims to collect, store, and disseminate information besides offering computerized services to users, to coordinate efforts for suitable collection development, and to reduce unnecessary duplication wherever possible. It provides access to the following resources:

1. Cambridge Dictionaries Online
2. Networked Digital Library of Theses and dissertations
3. ODLIS: Online Dictionary of Library and Information Science
4. GISTNIC Databases
5. Open Access Journals
6. Full-Text Engineering and Technology (860+) E-Journals
7. S&H full-text journals, E-Journals(1600+) and ten years back volume
8. Digital Libraries of the world.

Library feature

Content management system for e-learning

- To promote the objective of e-learning resources, the Digital Library has been developed and can be accessed through the internet and Wi-Fi. The e-learning resources contain e-publications, e-books, and NPTEL videos.

Reference

- A reference section is available in the library for the users. The reference section has copies of rare books and books for GATE, GRE, TOFEL and other competitive exams. It also has a Dictionary, Encyclopedia and handbooks for user reference.

ICT Tools

- Ten computers are available for the students for e-learning in the library.
- The available imaging devices are color/monochrome printers and photocopiers.

Reprography

- One xerographic machine and one laser colour printer are available at the library. Also Photocopy, printout, document scanner and spiral binding facilities are available for the students and Staff. Printing is charged at a nominal rate, Rs.1/- per page for monochrome and Rs.5/- for colour printouts whereas outside shop they charge Rs.5/- for monochrome and Rs.20/- for color.

Daily Usage

- Average number of walk-ins – 180/day
- Average number of books issued/returned – 20/day
- Central Library Timing 9.00 A.M to 5.30 P.M

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection *Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

Response:

This institution has IT connectivity through modernized facilities and it is a basic requirement for the development of the institution, faculty members and students. There are 341 computers available across various laboratories and departments. A special data server is configured with the storage capacity of 4 Terabytes to serve all the computers for additional and external storage purposes. In

addition to that, a few data servers are functioning to serve the needs of each department.

Bandwidth

The institution has 50 Mbps 1:1 Leased Line internet connectivity from Airtel and BSNL broadband with 100 Mbps bandwidth.

Wi-Fi Facilities

Wi-Fi facilities have been extended to students and faculty members under CSICE Wi-Fi zone. In a constant endeavor to upgrade the Wi-Fi facilities with advanced unlimited access, devices have been added to enlarge the user numbers and to perpetually increase the coverage area.

LAN Facility

The entire campus has been facilitated with LAN connectivity to the Common Data Center with a capacity of 500 nodes. Every laboratory has an individual and shared network switches and routers to communicate with each other.

ICT Resources for Teaching

The institution facilitates the extensive use of Information and Communication Technology (ICT) resources for the teaching and learning process in the following ways:

- **The institution has installed a 100Mbps internet connection with a high server configuration for quick and easy access of information.**
- **The total number of six centralized Blade servers provides fast flow of data across computers and helps the faculty members and students to browse and download study materials and research papers.**
- **The library also has sufficient internet facilities and a bibliographic database through networked computer systems.**
- **A well equipped language laboratory is available to train the students with language and communication skills using ICT resources.**
- **Classrooms with LCD projectors enable the faculty members to plan the classroom activity.**
- **The language laboratory and the communication skill laboratory help the students to develop their communication abilities.**

Networking

All the computers are connected through wired LAN and the networking devices like switches, NIC, Cables, etc., are constantly updated.

Software

The institution periodically updates the software which is used for laboratories, libraries and offices based on their requirements. Various other licensed softwares are also available to benefit the students' curriculum.

Servers

There are 6 IBM server blades to support different applications like DHCP, FTP, Active Directory, Biometric, TC Server, Communication Lab server and Tally server. We are having two layer three switches in server from Cisco and Net gear. All connectivity is done with the core switch via fibre optical cables.

Printer & Scanner

Color and black & white LaserJet Printers, Scanners and Heavy Duty Machines are available in this institution to meet the growing demand.

Surveillance Cameras

The campus is monitored through 21 CCTV surveillance cameras, which are installed in the main gate, hostels, canteens, parking, corridor, etc., Backup facility is provided for limited days for providing evidence to relevant issues if any.

File Description	Document
Upload Additional information	View Document

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 1.78

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 341

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 7.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
12.96	3.94	6.22	15.37	14.69

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 68

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
541	460	528	626	724

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document

5.1.2 Following capacity development and skills enhancement activities are organised for improving students' capability

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 60.01

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
588	511	235	480	727

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 *The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases*

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 75.65

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
140	163	145	209	132

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
163	274	265	168	173

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 0.39

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	1	0	0

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document

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 last five years

Response: 16

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

five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	2	3	6	5

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 8

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
6	1	10	13	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

Response:

CSI College of Engineering is extremely proud and honored when the students flap their wings and fly into the infinite sky. Alumni are precious possession and cherished ambassadors who have enhanced the splendor of the institute. Alumni Association aims at creating and sustaining a mutually beneficial relationship between the institute and its alumni network. This institution organizes online and offline Alumni Meet in order to enhance the relationship between the alumni and the institution and to reminisce

pleasant memories. The team intends to increase alumni engagement in various academic, placements, cultural and social activities at the institute and beyond to ensure interaction between them and the students.

Aims and objectives:

- Alumni provide assistance and cooperation to the institute in its placement initiatives for the growth and development of student's career. This would help students to get a first-hand insight into the corporate world and helps the alumni to network with their batch mates, friends and teachers. The established and esteemed alumni provide placement referrals from time to time. Alumni of the college keep the current students up-to-date with various job opportunities and corporate requirements.
- Alumni visit the college and interact with students about latest technologies and share valid information and provide Career Guidance Program as part of Skill Development.
- Facilitating industry interaction, MoU, leadership Training, mentoring juniors on projects, and placement assistance. To help the college to enhance research and development and consultancy activities.
- Organize scholarships and funds to help the needy and deserving students.
- Honor exceptional project works, research papers, or other professional activities by the students and Faculty members and to appropriately reward exceptional social and community services provided by them.
- Hosting seminars, webinars, and networking events provides valuable information about the job market.
- The Alumni shares their opinions in social networks, blogs and forums. They frequently provide feedback on competencies gained during their course and provide valuable information to improve the curriculum.
- Alumni have recommended the Institute to their siblings and friends during admissions. The alumni are also invited to connect to national conference arranged by the institute in the form of Chairs and members of advisory committee to give a platform for networking and knowledge sharing to the Alumni and current students. With the alumni being the part of IQAC, it acts as a facilitator for quality improvement and assurance.
- Sharing the rich experiences and struggles of Alumni will help in the growth of the current students.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 *The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

Response:

Vision Statement

To equip and empower the students and faculty members to contribute in nation building process with social concern imbued with character and ethics to ensure sustainable development and preservation of environment through technical education, research, patent and extension activities.

Mission Statement

- To raise students to serve humanity by attaining high levels of academic excellence, industrial exposure and professional competence with exemplary values and social concern.
- To find solutions to human problems through scientific, social, technological research leading to sustainable development.
- To promote gender equality and harmonious growth of students, faculty members and other stake holders so as to become a centre of excellence in technical education.

Governance and Leadership

The institution is established by Church of South India Trust Association Coimbatore diocesan council (CSITA) and it is governed by a governing council comprising of the chairman, vice president, secretary, treasurer and three representatives. In the subsequent years nominees from the University and the state government are included.

The vital role of management is to cater to the technical educational needs of the rural students and empower them with academic knowledge, industrial exposure, and professional proficiency, along with impeccable values and a sense of social responsibility to find solutions to problems faced by humanity.

NEP implementation

The skill development and industry-ready courses, such as Internet of Things, Cyber Security, Artificial Intelligence, etc., are being conducted by Infosys, L&T Edutech, Skilsda, Ingage, and NSE. Since the institution is affiliated with Anna University, it operates in accordance with the rules and regulations of the university, which is also in tandem with the implementation of the NEP.

Sustained institutional growth

The institution provides professional development opportunities, strengthens partnerships with industries, and adopts innovative teaching and learning methods.

Decentralization in the institutional governance

The governing council works with the principal to help set and monitor the direction of the college. The HODs are conducting regular department meetings pertaining to curricular, co curricular and extracurricular matters. The minutes of the department meetings are submitted to the principal. They are then included in the agenda for the HOD meetings. The matters decided in the HOD meetings will be implemented straightaway when it concerns routine matters. Matters requiring additional funds outside the budget will be put up to the Governing council/Management for its approval.

Participation in the institutional governance

Faculty, administrative staff, non-teaching staff, and students are all assigned roles in institutional governance. There are committees for anti-ragging, women's empowerment, internal quality assurance, planning and monitoring, internal complaint and grievance redressal, electoral literacy, and SC/ST cells from each category on the administrative side as required by the governing bodies and needs.

Short term and long term goals

The institution's short-term goal is to attain autonomous status and to launch a microsatellite to study Nilgiri biosphere in collaboration with the Tata Institute of Fundamental Research. The long term goal is to develop this institution into a renowned global university which would be the only one in the district for a long time.

File Description	Document
Upload Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 *The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

Response:

Preamble

CSI College of Engineering, Ketti is a minority self-financing institution established by the Church of South India, Coimbatore Diocesan Council. The motto of this institution is unique. The head of the diocese who originated from this backward area was very firm in starting this institution in the tribal locality to improve the social and economic status of tribal residents and women in particular in this district.

Deployment of Institutional Perspective/deployment plan:

Perspective plan is made by the institution to impart quality education with well defined strategic plans to achieve its Vision and Mission.

Perspective plan: Gaining recognition by obtaining accreditation from NAAC. Acquiring Autonomous status ,Introducing new courses, collaborating with foreign universities, getting 100% of students placement , encouraging institute-industry contact, improving the scope of consultancy services ,Utilizing Naan – Mudhalvan skills.

Strategic plans: Teaching & Learning, Research & development, Community engagement, Human resource management, Industry Interaction and for Training & Placements

Deployment:

The institution has a high rate of staff retention due to the fact that it provides RBS pension benefits, Employee Provident Fund, and employees are encouraged to pursue higher education with 10 days of Special Permission Leave. An incentive Rs.2000/- is given to all staff for every publication of journal paper in reputed journals. The faculty members who complete their Ph.D are being given Rs.5000/- every month. The management provides 50% concession for the tuition fee for the wards of the employee. The best infrastructure in the institution enables the students to excel in their academic, curricular, co curricular activities.

Functioning of the institutional bodies is effective and efficient as visible from policies, administrative set up, appointment and service rules, procedures:

Administrative Setup:

This institution is administered by Management Committee appointed by the Bishop Chairman, in consultation with the office bearers and executive committee of the diocese, which is an elected body once in three years. The general composition of the administrative committee will be the Bishop-Chairman, vice president, honorable secretary, honorable treasurer of the diocese, the Correspondent, Principal of this institution and four more members nominated by the chairman.

Governing Council comprises of Chairman, vice president, honorable secretary, honorable treasurer and three more representatives of Diocese. In the subsequent years a university nominee and a government nominee are included.

Internal Administration:

The principal will be the in charge of administration assisted by various committee and sub committees, formulated as stipulated by AICTE, Anna University, and State government then and there.

Each department headed by the HOD is responsible for academic activities, annual budget, expansion of laboratory and other curricular, extracurricular activities. Hostel management will be under direct control of principal assisted by an associate, deputy, assistant wardens.

Various Committees and Cells: The institution has the following committees and cells to ensure proper management of academic and general administrative affairs.

Committees:

- 1.Planning and Monitoring
- 2.Anti Ragging
- 3.Anti Ragging Squad
- 4.Discipline and Welfare
- 5.Complaints and Redressal

Cells:

- 1.IQAC
- 2.Extension Activity
- 3.Innovation and Incubation Cell
- 4.Women Empowerment Cell
- 5.SC/ST cell
- 6.Electoral Literacy Club

Appointment and Service Rules:

The appointment will be made by calling application through advertisement and through announcement made in the churches in seven districts. The selection of staff, there after regularization and service rules are governed by the rules and regulations stipulated in the HR policy.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document

6.2.2 Institution implements e-governance in its operations

- 1.Administration**
- 2.Finance and Accounts**
- 3.Student Admission and Support**
- 4.Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

The welfare measures offered by the institution ever since its inception are as mentioned.

- 1. Retirement Benefit Scheme (RBS):** Under this scheme the employees who complete a minimum of 20 years of service are eligible for pension until their death and there after family pension to the spouse. This scheme makes CSI College of Engineering, Ketti highly distinct and unique of its kind.
- 2. Employee Provident Fund (EPF):** As per the Government norms EPF scheme is implemented for the Teaching and Non teaching staff and includes the contribution of both Employees and Employer.
- 3. Fee Concession:** The Institution provides financial assistance for the education of staff children.

The wards of teaching and non teaching staff are given 50 % fee concession if they pursue their studies in this Institution.

Higher Studies: Staff are encouraged in the area of Research and Publication through below mentioned schemes.

1. The faculty members who complete their Ph.D are being given Rs.5000/- every month.
2. The faculty and staff members can avail 10 days of Special Permission Leave (SPL).while pursuing their higher studies.
3. As an incentive Rs.2000/- is given to all staff for every publication of journal paper in reputed journals.
4. Staff members are encouraged to attend skill development program by sanctioning them TA, DA and On-Duty.
5. Any achievement by staff members is appreciated in the form of certificate and is honored by the Chairman.
6. Ten days of Medical leave are given to employees who need time off due to medical reasons.

5. Staff welfare Fund: Under this scheme financial assistance is provided towards major medical expenses and for any unnatural calamities. Thus the Institution shows its empathy and compassion to the staff by being part of them when the going gets tough.

6. Festival Bonus: Being a minority Institution the management distributes festival bonus to all the teaching and non teaching faculties in the month of December.

Performance Appraisal System:

Performance appraisal will be done for all the teaching every year from 1st January to 31st December. The appraisal for teaching staff will be with respect of pass percentage of students obtained in the University Exam in each subject handled by them, journal publication, national and international conferences attended, individual contribution to department and college development, curricular, extracurricular, community and extension services.

The teaching staff will be asked to attend specific workshops / FDPs and counseled by the Principal with regard to pass percentage and other activities where they were lacking.

File Description	Document
Provide Link for Additional information	View Document

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 4.91

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

2021-22	2020-21	2019-20	2018-19	2017-18
7	4	3	5	9

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 19.42

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
35	49	42	6	1

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	21	24	25	27

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

RESOURCES MOBILIZATION

The resources for funds mobilization is mainly from tuition fees from the students. The tuition fee is collected as approved by fee regulating authority and as per norms .Institution is eligible for funds through funded projects from government and other agencies by submitting proposal for research project, modernization of laboratories. FDP, seminars and conferences. The institution also generate funds under internal revenue generation through testing and consultancy services and for conducting online and off line competitive examinations and training programs for government and other private agencies. Funds are also received under NSS programs.

OPTIMAL UTILIZATION OF RESOURCES

The institution has well defined procedure for optimal utilization of resources. Expenditure will be mainly made based on an approved budget on priority basis towards academic requirements. Budget will be prepared every year with feedback from all the departments and will be approved by the Principal on the guidance of the management. The resources are mainly utilized towards salary, up keep of equipments, teaching learning process, campus maintenance creation of additional infrastructure ,purchase of equipments, purchase of additional books for library, incentive to faculty for research and publications and conducting various seminars , special lectures, Industrial visits and inplant training for the students. The resources are also used to maintain green environment in the campus and effective waste water and solid waste management system.

FINANCIAL AUDIT

The institution has well maintained accounting system monitored by accounts officer and accounts assistants. The accounts officer is professionally qualified in operating Tally and ERP software. The accounts officer confirms and validate all bill and vouchers passed by the Principal under the guidance by the management .The records maintained by the accounts department is subjected for auditing for both and internal and external audit.

INTERNAL AUDIT

The internal audit has been carried out once in six months by the auditors deputed by the management .The internal audit team verify all vouchers, in respect of account head ,voucher date ,name of the party, purchase of which payment is made and payment authorization by the competent authority. The entry of each voucher is verified in the tally software to ensure expenditure under proper account head. The cash book ,bank passbook, journal voucher and wage register are also audited

EXTERNAL AUDIT

The external auditing is being done by the registered chartered accountant, recognized by ICAI. as mandated under law. The auditor checks every single financial transaction and scrutinize them if all such transactions are carried out as per law. The external audit along with the balance sheet will be submitted to the College management for being submitted to the respective government agencies

File Description	Document
Upload Additional information	View Document

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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The Internal Quality Assurance Cell of this institution was started in the year 2016 and it is headed by a team of responsible professors. The IQAC plays an important role in ensuring quality besides monitoring in all aspects of the institution.

The IQAC conducts meetings at the start and end of every semester and gives detailed guidelines to the faculty as given below for effective teaching and learning process and obtain the desired outcomes.

- ICT tools should be used in the classroom for effective content delivery.
- Log books should be maintained properly which further helps in monitoring the progress of each and every student.

- Syllabus should be completed by the faculty for the respective internal tests.
- Internal tests should be conducted as per the University schedule.
- Question paper should be set in the prescribed format with Blooms taxonomy.
- It is mandatory for the faculty to submit a self-appraisal form at the end of every academic year to assess faculty development.
- The conduct of classes is monitored regularly and the outcome is recorded by obtained feedback from students and also by conducting class committee meetings.
- The IQAC also conducts frequent academic and administrative audits to keep in tract the effective resource utilization and infrastructure maintenance.
- Apart from students feedback, IQAC also obtains feedback from stockholders like parents, alumni and employers and works out appropriate corrective measures.

To enhance teaching learning process, the IQAC of this institution

- Encourages and arranges for students industrial visit, inplant training and internships.
- Aids students to organize and conduct seminars, conferences, webinars, quiz and alumni lectures to keep the students updated in their field of study.
- Encourages staff and students to take up additional certification courses like NPTEL-SWAYAM.
- Encourages and enables students to participate in intercollegiate seminars, project presentations, paper presentations, and other technical competitions.
- Makes it mandatory for staff to present papers, participate in conferences, and faculty development programs.
- Implement the best practices for each department with regard to teaching-learning process.
- Implements green practice by making the campus is clean and green with Gardens, rain water harvesting system.
- As a learning outcome, class committee meetings are held twice a semester, and department heads are expected to provide result analysis reports with action done following each semesters university examinations.
- Renowned people in the specialized sector regularly offer workshops and guest lecturers to ensure knowledge enhancement measures.

As quality is a continuous improvement process, the quality ensured is enhanced and updated at each level and made sure that no compromise is made. Each and every decision taken in the IQAC is conveyed clearly to the faculty to avoid any ambiguity to enhance Institutionalization of quality and best practices.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**

- 3. Collaborative quality initiatives with other institution(s)**
4. Participation in NIRF and other recognized rankings
5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.

Response: B. Any 3 of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years. Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Preamble

This institution is committed to create a safe environment for women and to promote gender equity by implementing several measures in the recruitment in giving additional responsibilities for women and formulating the committee required for gender equity by the regulating agencies. Several programs are organized to commemorate women centered events and celebrations at national and international levels.

Promotion of gender equity

The current female male gender ratio for faculty is 2:3 and students is 3:1. The ratio in respect of the heads of department is 4:3. CSICE women faculty are assigned with responsibilities in various committees relating to student affairs apart from the mandatory ones. The Government of Tamil Nadu has been granting special scholarships for girl students who pursue higher education and this institution is at the forefront in Nilgiris District in implementing the program. Internal mandatory committees such as Complaint cum redressal Committee, Prevention of Sexual Harassment cell, Anti Ragging committee, women empowerment cell in place are headed by women faculty. This institution has got NCC cadets for both boys and girls. Ms. Poornaharshni. U.K (2015-2019) Batch participated in Independence day parade at Redfort, New Delhi.

Counseling

The student counselor's primary responsibility is to provide guidance, support, and resources to students in various aspects of their college life. This report highlights the initiatives taken by Student Counselor to improve student skills, assess their strengths and weaknesses, and help students with their personal problems. The student Counselor conducts regular meetings with the HODs and Staff Incharges to discuss the student's issues and needs.

Assessment and Evaluation of Students:

- The student counselor demeanor assessments to evaluate students' Emotional Quotient (EQ), time management skills, personality, and self-esteem. The evaluations helped students understand their strengths and weaknesses, which helped them to work towards improving themselves.
- The student Counselor holds regular counseling classes for all departments throughout the academic year to develop students' mental and physical health awareness and motivate them to improve the soft skills, cope and manage stress. The classes were aimed at improving their overall well-being and taught them techniques for managing stress and anxiety. The student Counselor organizes workshops, seminars, and webinars by calling professionals from outside to develop students' soft skills and confidence. A separate grievance committee was functioning to enquire into

the students' grievances.

Individual Counseling:

- Individual counseling was provided to students who needed the counselor's assistance. The sessions helped students to deal with their personal problems and emotional issues, and provide them with guidance and support.

Commemorative Events

- This institution enthusiastically organizes national and international commemorative days such as Mothers day, Girls child day and Menstrual hygiene day during which environment speakers from outside users are invited for special lectures. Women celebrate teacher's day, national voter's day, international yoga day and other college day celebrations actively. Many social awareness programs happen through exhibition debates, and dance programs are conducted not only within campus but also in surrounding villages/hamlets. Female centered programs are done through the NSS, NCC to ensure gender equality.

File Description	Document
Upload Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

At CSICE, students from socially disadvantaged backgrounds enjoy equal access to study. Communities and impoverished populations that are socially and economically undeveloped are given attention. Students from neighbouring districts and states are also given preference, combining populations under one roof. In order to facilitate the pursuit of a regular education for this underprivileged set of kids and avoid the wasting of such important human resources. By doing this, CSICE hopes to help people become a part of society and affect a larger societal change.

CSICE has taken several steps for achieving the objectives of creating a favourable environment. The students of seventh semester learn “Professional Ethics” as an elective subject as a part of curriculum which motivates them to create emotional and professional balance to become socially responsible citizens. Also, in the eighth semester, 3 credit points are awarded depending on the curriculum, which students may immediately use for their careers.

The Students' Association Committee, which oversees all departmental technical activities like Workshops, Seminars, etc., is formed each year with a President, Secretary, and Treasurer from the final year, a Vice President, Joint Secretary, and Joint Treasurer from the third year, and a few other office holders. This would inculcate a strong coordination among students and will help in developing organizing and

behavioural skills.

CSI College of Engineering conducts programs like Ethical Voting, Fire Safety to extend helping hands and better serve the society.

Staff and students are encouraged to participate in national celebrations like Independence Day, Republic Day, etc. The staff are also further encouraged to involve themselves in activities like sports and games, NCC & NSS to strengthen commitment towards the nation and inculcate in them the principles of unity and diversity.

Students from various schools are invited to the campus to participate in events like science quizzes, department visit to help them understand the importance of science and technology in every day growing world.

An adaptation program following the bridge course is conducted for all the first-year students for about ten days every year. During this program, the students are introduced to subjects like Engineering Mathematics, Engineering Chemistry, Engineering Physics and Communicative English to better understand the nuances of engineering, quiz programs, basics of computers, personality development and run documentary movies which enables the students to involve themselves in programs like symposiums, seminars etc. in their respective departments and also actively participate in the programs conducted by other colleges.

It is the responsibility of the college to put an effort to retrieve and revive the precious culture and tradition of the students to promote Unity and Integrity of India by organizing as many as possible cultural programs.

Programs like Onam, Pongal, and Christmas are held every year to promote integrity, harmony, and reconciliation among the students in order to help them better grasp principles and ethics and respect one another, regardless of religion, culture, language, caste, or faith. Such initiatives enable a state to learn about and experience the customs and culture of our neighbouring community.

File Description	Document
Upload Additional information	View Document

7.2 Best Practices

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

Response:

BEST PRACTICE – I

Title of the Practice:

Scholarships, Freeships and Financial Assistance to all

Objectives of the Practice:

- CSICE is established by the management to cater to the technical educational needs of the rural, under privileged and economically backward students and to impart academic knowledge, industrial exposure and professional proficiency along with imparable values and sense of social responsibilities.
- The management collects only the approved tuition fee for Nilgiris students under government quota. The students who could not selection under government quota seek admission through management quota. Even though as per the norms of the government of Tamilnadu, the institution can collect the management quota fee, the institution collects only the fee prescribed for the government quota students in case of for Nilgiris students
- Some of the staff members working in this college support the poor students either individually or in group or by alumni contact or by approaching external sponsors to meet their few requirements.

The Context:

The college is situated in Ketti Valley which is surrounded by 700 hamlets. The college which was started with the only motto of uplifting the hill tribes such as Todas, Irulas, Kurumbas and Badagas have made them to be aware of government scholarships.

The Practice:

Freeships can be a valuable resource for individual who needs financial assistance to pursue their education or career goals. The college is prominently contributing in the social welfare of the society by providing affordable and subsidized education to the deserving students by providing freeships

Following are the practices followed at the time of admission:

1. Eligibility

- Financially poor
- Single Parent
- Orphan
- Meritorious Students
- Girl Students who have family problem
- Documents to be submitted
- Higher Secondary Certificate
- SSLC Certificate
- Conduct Certificate
- Scholarship application form
- Recommendation Letter

Problems Encountered and Resources Required

Despite the fact that the college offer scholarships, some of the parents insist their children to get married. Assimilating the majority of the students from these tribal regions to the urban setting was difficult because they were mostly first – year college students.

The management of the CSI college of engineering made the wise decision to grant these students discounted admission with the lofty goal of integrating these underprivileged populations into mainstream higher education

BEST PRACTICE II

Title of practice:

Retirement Benefit Scheme

Objectives of the Practice:

CSI College of Engineering focuses on the welfare of the staff fraternity, teaching and non-teaching by providing Retirement Benefit Scheme (RBS) mainly consisting of pension after retirement.

The Context:

The CSICE started in the Academic year 1998, which is now celebrating its 25th year, few employees had completed their 20 years of service and now they are getting the pension under the Retirement Benefit Scheme. “This scheme is called the CSI Golden Jubilee Diocesan Workers Contributory Retirement Benefit Scheme of Coimbatore Diocese 1997”.

The Practice:

Application and Eligibility (RBS booklet version)

1. These rules shall apply to all employees of the Diocese who are admitted by the management committee and who contribute to this scheme.
 2. a) Contribution to this scheme is mandatory and failure to do so will cause non-payment of Pension, Gratuity and other benefits of the Retirement Benefit Scheme.
- b) The salary disbursing authority shall ensure that the contribution from the employee’s salary as well as the managements contribution amount reach the Treasurer’s office well before the 7th of every month.
- c) For feature clause: Where the monthly contribution is sent to the Treasurer’s office after one month (30 days) from the 1st of the month on which it is due a late fee of Rs. 20/- or an amount to be fixed by the executive committee from time to time for each defaulting contributor may be sent along with the contribution of each period of one month subject to a maximum period of three months (90 days).

Qualifying Services:

1. A minimum service of 20 years
2. No. of years services means all services means all services of the individual rendered in CSI Coimbatore Diocese.

1. For services under 20 years:

1. Up to 5 years – only his /her contribution alone will be refunded without interest.
2. For services over 5 years but below than 10 years the Employee's contribution alone will be refunded with an interest of 8% per annum.
3. For services over 10 years but below 20 years Employee's contribution alone with and interest of 10% will be refunded.

Family Pension:

1. Family pension shall be payable to wife / husband as the case may be or children.
 2. Full pension is certain for a period of 3 years (To be reviewed later)
-
1. Thereafter wife / husband or children shall be eligible for 50% of the pension last drawn as family pension.
 2. A daughter shall become ineligible for family pension under this sub role from date she gets married.
 3. The family pension payable to such son or daughter shall be stopped if he or she starts earning his or her livelihood.

Gratuity:

1. Gratuity shall be paid for a minimum service of 20 years and above.
 2. Gratuity will be calculated
-
1. for the first 10 years 50% of basic pay last drawn.
 2. for the next 10 years 25% of basic pay last drawn.
 3. for the balance of years 12.5% of basic pay last drawn.

Death Relief:

1. If employee dies while in service, he /she shall be eligible for Death Relief Amount as specified below:

1. Up to five years of service : Rs. 25,000/-
2. Up to ten years of service : Rs. 50,000/-
3. Up to fifteen years of service : Rs. 75,000/-
4. Over fifteen years service : Rs. 1,00,000/-

These shall be revised periodically.

Problems Encountered and Resources Required:

The experience of retired benefit schemes in CSICE also suggests some practical limitations of a poor fund arrangement. First, the inability to ensure that lump sum payments are used to provide old age protection is a serious drawback of the current system.

File Description	Document
Best practices as hosted on the Institutional website	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

CSI College of Engineering was established in the year 1998, and is distinct in itself of being the sole Engineering College in this hill district of Nilgiris. The institution was established specially in this region by the Founder Chairman and then Bishop of CSI Coimbatore Diocese for the upliftment of the Tribal community of this district. Nilgiris district has an area of 2500 km² and is located at an elevation of 1800m above MSL. The District is chiefly habituated by four distinct and unique hill tribes namely **Badagas, Todas, Kotas and the Kurumbas**. This institution in the last twenty years have been dedicated in ensuring that these hill tribes are provided with affordable and quality technical education for the students and an ambience of encouragement for the faculty members and staff for their career development.

Prior to the establishment of this institution in Nilgiris, except for a vital few affluent the trivial many were deprived off the opportunity to study technical higher education in their own home town. The four hill tribes of Badagas, Todas, Kotas and the Kurumbas are unique in their culture and language. None of these tribes have a scripted language, and the dialect is totally different from each other. Each of these hill tribal communities is confined to their own separate and secluded hamlet and rarely do they acquaint with modern civilization. Child marriage especially girl child and polygamy were a common trait among many of these tribal communities.

To cater to the needs of the tribal community for pursuing engineering education in this Institution, a fleet of 10 buses from the Institution ply to the remotest corners of different tribal hamlets, locally called **“hattis”** namely Melur, Hosahatty, Kolacombai, Thoothoormattam and Thaimalai, to bring students to the college so that they could go back to their home after college hours, as their culture demands for many of the students. Of the 6000 old students who have graduated from this Institution from its inception from different regions and communities, almost 25% of the graduated students have been from the tribal community who subsequently after graduation have been in reputed organizations both at home and abroad.

Not only have the indigenous tribal students benefitted from this Institution, many of the faculty members and staffs working are from these community. At present 45% of the staff strength are from the local community. Five faculty members of the local community, who had joined this Institution with Post Graduation, have successfully completed their Ph.D degrees during their tenure in this institution. In addition many faculty members have registered for their Ph.D program and are continuing their research while serving this Institution.

At the time of establishing this institution in his region and subsequently, it was whole heartedly welcomed by many of the leaders of the indigenous tribal community. In the year 2015, Prof. H. Devaraj

former Vice Chairperson of University Grants Commission (2013 – 2016) had visited the Institution and appreciated the initiatives provided by this Institution towards the welfare of the tribal community. Prof. H. Devaraj himself is the first Badaga to attain the position of Vice Chairperson of UGC. Other prominent dignitaries who had visited our Institution includes Dr. A.P.J Abdul Kalam, former President of India, Dr. Madhavan Nair, former Chairman of ISRO, Wing Commander Rakesh Sharma, the only Indian citizen to be in Space and Dr. Balaguruswamy former Anna University Vice Chancellor and all of them appreciated the initiatives taken by the institution in providing quality education to the tribal community. Apart from providing quality technical education with the emphases to the tribal community, the Institution has also offered outreach programs to many of the tribal hamlets, who have and are prejudice to the modern society. Since the tribal students do not have electricity and other facilities of their hamlets, during examination period, they are accommodated in the hostel and given free food to enable them to study well. As per the tradition by the tribal community, the girl children are not normally allowed to go for higher studies and the parents believe in arranging early morning the staff members of the institution persuades many parents and convinced the permitting to admit their wards in the college which has led to the upliftment of the community.

Of the four hill tribes of the Nilgiris district the Badaga community were more accommodative to changes in society and many were benefitted from this Institution. Alumni from this Institution are presently working in reputed IT firms such as Wipro, Infosys and Google. However the Toda, Kota and Kurumba hill tribes have been still exclusive. In the last couple of years few Toda students especially girl students have joined this institution and have graduated successfully and been placed in a reputed IT firm in Coimbatore, which is the fruition of the concerted effort by the Institution towards the Toda community.

The distinctiveness of this institution in this region has had the constant support of the District Administration in theme of Public – Private partnership in aiding to our initiative towards the upliftment of the tribal community. Many Government scholarships and schemes are provided to the deserving students with the government officials visiting our campus and catering to the needs of the students. Many tribal students have been benefitted under the ST /SC scholarship scheme, which provide the students with their complete tuition, hostel and transportation fee. This has reduced the burden of financial commitment of the parents and this has lead to many other economically weaker parents to avail such scheme and send their children to pursue engineering education. The institution is resolute toward its commitment for the welfare of the tribal community of this region, and in the future would strive to bring in more tribal students from all the communities such that the socio – economical status of these communities are uplifted.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

- Well-equipped laboratories.
- Latest computers and Multimedia Laboratories with open source facilities.
- Conference hall for department functions.
- Well-stocked library and well-equipped digital library.
- Internet facility with upto 100 Mbps 1:1 BSNL leased line.
- Centralized data center.
- Optical fiber backbone.
- Class rooms with wireless points.
- Control-based campus Wi-Fi.
- College canteen with hygienic food.
- Hostel facilities for boys and girls.
- Separate hostel and mess for NRI and Kerala Students.
- Health care center in the campus.
- Indoor sports rooms.
- Well maintained play grounds.

Concluding Remarks :

Since it's the only Engineering College in the District it has its own advantages and disadvantages, The advantages being many training programs and competitive examinations for state and Central Government employees are conducted .It is able o contribute a lot to the underprivileged communities like Thodas , Irular, Kotas , and Kurumbas by way of education, Employment, social awareness, green practices, hygiene and moral life.

The main disadvantage is connectivity to neighboring institution for faculty and students for attending Conferences ,Seminars , Collaboration activities etc consume more time ,energy and cost

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :52</p> <p>Remark : DVV input as per attached supporting data during clarification</p>																				
1.2.2	<p><i>Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</i></p> <p>1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>257</td> <td>287</td> <td>365</td> <td>383</td> <td>407</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>227</td> <td>257</td> <td>325</td> <td>353</td> <td>377</td> </tr> </tbody> </table> <p>Remark : Revised values as per data template</p>	2021-22	2020-21	2019-20	2018-19	2017-18	257	287	365	383	407	2021-22	2020-21	2019-20	2018-19	2017-18	227	257	325	353	377
2021-22	2020-21	2019-20	2018-19	2017-18																	
257	287	365	383	407																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
227	257	325	353	377																	
2.4.1	<p>Percentage of full-time teachers against sanctioned posts during the last five years</p> <p>2.4.1.1. Number of sanctioned posts year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>110</td> <td>114</td> <td>107</td> <td>109</td> <td>131</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>110</td> <td>113</td> <td>107</td> <td>109</td> <td>131</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	110	114	107	109	131	2021-22	2020-21	2019-20	2018-19	2017-18	110	113	107	109	131
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110	114	107	109	131																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
110	113	107	109	131																	
3.1.1	<p><i>Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)</i></p>																				

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	8	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	2.5	2.75	2.75	0

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

3.2.2.1. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
29	20	23	22	22

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
25	20	23	22	22

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
8	1	2	11	5

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
7	1	0	3	1

3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
23	15	25	18	8

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	12	20	13	6

4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1	3	4	0	17

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1	3	4	0	15

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

4.3.2.1. Number of computers available for students usage during the latest completed academic year:

Answer before DVV Verification : 341

Answer after DVV Verification: 341

5.1.2 Following capacity development and skills enhancement activities are organised for improving students' capability

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

5.1.3.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
588	511	235	480	727

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
588	511	235	480	727

Remark : Supporting documents been provided by HEI

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
149	176	157	217	140

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
140	163	145	209	132

5.2.1.2. Number of outgoing students year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
196	271	249	316	249

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
196	271	249	316	249

163	274	265	168	173
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Remark : Revised values as per metric 2.6.3.1

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years

5.2.2.1. Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	1	0	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	1	0	0

Remark : Revised valued as HEI has provided supporting documents of one

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 last five years

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
10	2	32	43	25

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	2	3	6	5

Remark : Revised values excluding inter-collegiate awards / Dist level awards and Team events to be considered as one only.

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

5.3.2.1. Number of sports and cultural programs in which students of the Institution

participated year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
12	4	15	15	15

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
6	1	10	13	10

Remark : Revised values excluding Celebration of National Festivals / Pongal / Christmas / Onam.

6.2.2 Institution implements e-governance in its operations

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
13	5	3	9	14

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
7	4	3	5	9

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

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2021-22	2020-21	2019-20	2018-19	2017-18
105	111	108	7	1

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
35	49	42	6	1

6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	21	24	25	27

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	21	24	25	27

Remark : Revised values considering that 1. Less than 5 days FDPs are not to be considered. 2. Multiple participations in the same academic year to be considered as one only.

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Answer before DVV Verification : A. 4 or All of the above

Answer After DVV Verification: A. 4 or All of the above

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of students year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
606	759	911	1204	1149

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
606	647	781	1064	1136

2.1 **Number of teaching staff / full time teachers during the last five years (Without repeat count):**

Answer before DVV Verification : 158

Answer after DVV Verification : 157

2.2 **Number of teaching staff / full time teachers year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
110	114	107	109	131

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
110	113	107	109	131

3.1 **Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
207.99	158.02	130.94	80.54	161.08

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
161.08	80.54	130.94	158.02	207.99