SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

CHERPULASSERY COLLEGE OF SCIENCE AND TECHNOLOGY

KARALMANNA POST CHERPULASSERY PALAKKAD DIST KERALA STATE
PIN 679506
679506
https://ccst.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Cherpulassery College of Science and Technology, affiliated with Calicut University, is a self-financing institution offering programme in Arts and Science. Established in 2010 by a collective of social workers, health activists, and educators under the Educational and Charitable Trust, Cherpulassery, the college spans 10.5 acres of land. Nestled amidst picturesque surroundings, with hills and a babbling rivulet, the campus offers a serene ambiance. Situated near the sacred Kunthi Puzha River, named after Kunthi Devi, mother of the Pandavas from Hindu mythology, it offers a tranquil learning environment.

The Management of the College is vested in the Educational and Charitable Trust, Cherpulassery (Registered), constituted on 6th October 2009 with 175 members. The governance of the college rests on the Board of Directors, comprising 15 members elected from the General Body of the Trust. The primary aim of the Trust is to offer quality education at an affordable cost to those in need. Initially established as a co-educational institution in 2010, it transitioned into a single-gender establishment in 2016, in 2022-23 the status again changed to coeducation with the approval of Calicut University and the Government of Kerala.

The College offers as may as 10 UG programmes which include B.Sc. Computer Science, BCA, B.Sc. Physics, B.Sc. Chemistry, B.Sc Psychology, B.Com Computer Application, B.Com Finance, B.B.A., B.A. English, B.A Economics and 2 PG programmes viz, M.Sc. Computer Science and M.Com Finance.

The college is revisiting its approach in light of the prevailing notion that advanced education should offer equal opportunities to all genders within the framework of expanding and diversifying courses, rather than remaining secluded and narrow-minded. Following extensive deliberations, it has resolved to reinstate its co-educational status, with formal approval of the University of Calicut. Upon reinstating mixed-gender status, there will be a renewed focus on extracurricular activities and training, involving students of all genders. Furthermore, the change may also lead to a positive transformation in faculty members.

Vision

To evolve as an Institution that transforms aspirants into model citizens with courage and compassion for global challenges of life.

Mission

- To provide high quality education in Arts, Commerce, Science & Information Technology.
- To empower the youth for leadership roles and with societal concerns and committed to serve for the community.
- To support consistent professional development through planned education through structured skilling and training.
- To become a reliable catalyst for development of the country towards global careers and traits of leading.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Recognized by the Govt. of Kerala and affiliated with the University of Calicut
- Dedicated and responsive faculty and staff who are highly accomplished in their field.
- Conveyance facility provided to the students and staff from various parts of Palakkad district.
- Tailor made infrastructure facilities and well-chosen faculty.
- Scholarships and fee concessions to students in strained circumstances.
- Class diary operated by students for student feedback on teachers.
- Term target prepared and submitted by teachers for timely completion of portions.
- Portion completion reports submitted by teachers to the Principal at the end of each semester.
- Support of PTA, Alumni and other well-wishers.
- No Ragging cases reported so far.
- Neat, tidy and spacious classrooms.
- Enough sanitation facilities in all stairs.
- Commendable performance by the NSS and Red Ribbon Club.
- Better University exam results including University ranks.
- Internet connection with a band width of 100 mbps and Wi-Fi facility.
- Collaborations for student skill development.
- Committee for smooth and transparent internal examinations.
- Eco friendly campus and regular conduct of environmental sensitization programmes.
- Celebration and observance of all National, International and State important days.
- Domination of students from the backward and minority community.
- Career guidance and ED Club.
- Robust and regularly conducted feedback system.
- Remarkable student support system.
- Adherence to the overall Green Protocol Policy by the college.
- Ideal location for teaching and learning.
- Establishment of Alumni.

Institutional Weakness

- Provincial handicaps of research; limited research encouragement options for self-financing colleges.
- Very low campus placements in reputed firms.
- Reluctance of students to enroll for skill development programmes.
- Students with low marks are admitted in most of the programmes.
- Difficulty in hiring permanent faculty members in self-financing colleges.
- Limited tie up and collaboration with Educational agencies, industries, etc.
- Facilities and opportunities available to aided and Govt. colleges are not available to self-financing institutions due to Govt. policies.
- No new generation courses and only conventional programmes in the regular stream.
- Lack of active Alumni participation

Institutional Opportunity

- Transform the institution as a great training ground for career that might still be considered non-traditional for women.
- More career oriented programmes for women as they are still under represented in the field of Finance, technology and Entrepreneurship.
- Opportunity for institutional tie-up with industry and institutes of repute linkages for field exposure to the students.
- Enable the students to crack competitive examinations through quality coaching programmes.
- More sports and fitness facilities like indoor stadium, turf ground, gymnasium, etc.
- The sprawling 10.5 acres of land can be utilized for the establishment of highly equipped infrastructure.

Institutional Challenge

- The double standard policy and attitude of the Government do not help the healthy growth of self-financing colleges.
- Family bindings, conservative attitudes, preference for early marriages, etc. create a lot of drop outs and stand in the way of women advancement.
- Majority of the students are First Generation Learners
- Strong apathy towards sports, games and fitness promotion activities among the students.
- Faculty retention is a big challenge

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- As a college affiliated with the Calicut University, our curricular framework adheres to the curriculum and syllabi set by various Board of Studies of the University.
- We synchronize our academic plan with the university's schedule, annually distributing an academic calendar to students and staff, while communicating the institution's vision, mission, objectives, and code of conduct through various mediums like handbook and website.
- Responsibility for ensuring the effective implementation of the curriculum is shared among the Academic Council, the Academic Monitoring Committee, and the individual Departments.
- Undergraduate programmes operate under a Choice Based Credit System (CBCS), offering open courses, while postgraduate programs feature electives, ensuring flexibility. Furthermore, our programs include Ability Enhancement Courses/ Audit Courses related to Environment, Disaster Management, Gender Equality, Human Rights, Intellectual Property Rights, Consumer Protection and Gender Studies which are not meant for classroom study.
- The institution arranges seminars, workshops, online programmes like SWAYAM and MOOC to create awareness on the courses.
- The students are offered with Core, Complementary, Audit, Open, and Elective courses, as well as department-run Certificate courses. Special attention is given to enhancing communication and writing skills, alongside soft skill development programs.
- The class tutor keeps a comprehensive record of each and every student-Student evaluation profile (SEP), documenting details, curricular and non-curricular activities of the student.
- Our robust feedback system gathers input from students, parents, alumni, teachers, and participants of seminars, workshops, and training programs, aiding educators in assessing teaching effectiveness and identifying areas for improvement.

Teaching-learning and Evaluation

- The Calicut University oversees admission procedures and policies for both undergraduate (UG) and postgraduate (PG) students, setting criteria for aided, government, and self-financing colleges. In self-financing colleges, 50% of seats are filled by the management's choice candidates, provided they meet eligibility requirements, while the remaining 50%, including reservations, follow the Centralized Admission Process (CAP). Common Entrance Tests (CET) are conducted for M.Sc. Computer Science admissions to assess student knowledge and skills.
- Over 75% of the students come from socially and economically week backgrounds, with over 65% being first-generation learners. Additionally, 80% struggle with English due to their Malayalam medium school backgrounds. Many Management Quota admissions consist of students with lower academic scores.
- Continuous assessment categorizes students as slow or advanced learners, with corresponding support measures such as bridge courses for slow learners and opportunities for advanced learners to participate in seminars and competitions. Leadership experiences are offered to the PG students to prepare them for future roles.
- The teaching-learning process follows a systematic approach, with departments aligning schedules with the academic calendar and setting individual term targets for faculty. Various student-centred methodologies, including field trips and ICT integration, enhance learning. Faculty members are recognized for their dedication, and students receive honors based on performance.
- Regular interaction between students and faculty aids academic and professional growth, with faculties encouraged to attend FDP's, refresher courses, seminars workshops, orientation programs and undergo annual academic audits. Monitoring bodies oversee academic processes, ensuring transparency and timely evaluation. Student feedback and graduate attributes guide programme improvements, fostering a conducive learning environment.

Research, Innovations and Extension

- The institution recognizes the importance of promoting research among the faculties and students. They are encouraged to present papers in conferences and national seminars.
- As many as five faculty members are doing research in various universities. The institution tries to inculcate research culture among its academic community.
- The institution is moving in the path of innovation and it has an innovation ecosystem to promote technical and entrepreneurial skills of the students.
- To develop entrepreneurial skills, the ED Club of the institution conducts training programmes, awareness camps, industrial visits, etc. The institution has functional MoUs with IRTC (Mundur) Palakkad.
- NSS, Red Ribbon Club and Women Development Cell actively participate in Extension and Community Development programmes.

Infrastructure and Learning Resources

- The institution's infrastructure development mirrors its academic progress. Spanning 10.5 acres, the college boasts as much as 4629.88 sq ft of built-up area, emphasizing efficient space utilization.
- Over 70% of classrooms are ICT-enabled, complemented by five well-equipped laboratories, including

2 computer lab and lab for Physics, Chemistry, and Electronics.

- Facilities like auditorium, seminar hall, and media lab enhance the learning environment.
- The institution promotes creativity with LED making equipment, encouraging innovative exploration
- The institution offers a sheltered packing zone for both students and staff.
- Sporting facilities include a spacious playground, indoor gaming area for board games and outdoor court area for Basket-ball, Volley ball and Shuttle badminton.
- Spacious open auditorium and quadrangle are available for conducting different cultural activities in the campus.
- Cultural events find ample space in the open auditorium and quadrangle.
- The library stocks over 6000 books, along with departmental journals and an e-library with nine systems where students can access N-list from Inflibnet.
- Transport services encompass nine buses serving different points to Palakkad and Malappuram districts.
- CCTV surveillance ensures safety, while high-speed internet connectivity with a bandwidth of 100Mbps supports learning.
- Strategic planning includes funds for extending canteen area, aesthetic enhancements and maintenance, supported by an allocated budget from the Management and PTA.
- Dedicated support staff maintain cleanliness, with solid waste management overseen through an MOU with Cherpulassery Municipality.

Student Support and Progression

- The institution provides all students with individually focused activity and targeted academic support appropriate to their needs. We are committed to provide highest quality liberal education integrating curriculum and career to promising and high achieving young women.
- Various scholarships funded by the Minority Department of Government of Kerala, College Management, well-wishers and faculty members are availed by our students.
- Management provides fee concession to deserving candidates based on their merit and financial back ground.
- Rank holders and class toppers are honoured by presenting cash awards and mementos.
- Students are given training for developing communication skill and other soft skills.
- Career guidance, interview tips and personal counselling are given. Special trainings are given to such students who represent college in zone competitions.
- Students have representations in various administrative bodies of the college.
- The institution has a transparent mechanism for investigating into ragging cases and sexual harassment cases. The anti-ragging cell, grievance redressal cell, anti-sexual harassment cell and anti-caste discrimination cell are in constant vigil for timely redressal of student grievances.
- Placement drives are conducted every year and a few students of CCST are placed in the reputed firm.
- A small proportion of students pursue PG programmes and Education Training Programme like B.Ed.
- To foster democratic principles among the students, the college union election is conducted in accordance with the Lyngdoh committee recommendation and university regulations.
- A few students qualify National/State level examination. Every department keeps a student progression report.

Governance, Leadership and Management

- For achieving the institution's vision and mission, good governance, capable leadership, and effective

management are essential, with the college being governed by the ECTC Board of Directors in a democratic and participative manner, where both staff and students serve as members of administrative and academic committees.

- The Management, Principal and staff and the stake holders join hands in planning, implementing and maintaining quality of the institution.
- College Student Academic Council frames academic policies and they are implemented through the heads of respective departments.
- Teachers are given lead various clubs and forums, with assistance provided by students, student union leaders, and student representatives.
- To realize the institution's goals, strong governance, capable leadership, and effective management are vital. The ECTC Board oversees the college democratically, involving staff and students in administrative decisions.
- A number of welfare measures are provided to the teaching and non-teaching staff of the college. EPF, ESI and free conveyance are provided to all staff members of the institution.
- Faculty members have been provided with financial support to attend seminars and workshops.
- The IQAC leads comprehensive performance appraisal programs for all staff members, while also initiating various quality enhancement measures such as SQC for students, implementing OBE, and introducing the self-appraisal reporting system for faculties, ensuring continuous professional development and accountability.
- The college PTA of the institution is working effectively for the welfare of the students with several support programmes.
- The institution's management guarantees transparency in financial operations through annual internal and external audits, ensuring accountability and integrity in financial practices.

Institutional Values and Best Practices

- The institution prioritizes exemplary values and practices, advocating for "**Happy Education"** to foster learner happiness and well-being. Emphasizing emotional and mental support, education also nurtures self-awareness, creativity, critical thinking, and life skills.
- Programme empowering women like awareness classes, self-defence training, interaction with prominent women activists and lifesaving skills are organized by college NSS unit and Women's cell. Self-defence course was imparted by the Kerala Police, Palakkad unit under the auspices of NSS unit.
- Code of conduct, Fundamental duties (Article 51A) mentioned in the Constitution of India, Road safety tips and Emergency Helpline numbers are given in the college handbook.
- The institution has banned plastic carry bags and plastic cups in the campus. We have opened out a mechanism for the disposal of solid and liquid wastes.
- Best practices of CCST College include:
- >"**Heartfelt Haven"**: Fostering Unity through Benevolent Ventures encompasses a range of impactful initiatives undertaken by CCST to instil charity and benevolence among its students, faculty, and staff. The practice entails various activities aimed at serving marginalized communities and fostering a culture of compassion within the institution.
- >**Upholding the skills of women**, we encourage and empower them by providing opportunities to study driving, thereby fostering independence and confidence behind the wheel.
- >**Sow, Grow & Glow: Where Green Meets Clean-** The institution is taking proactive steps towards sustainability by planting trees for the next generation, ensuring a greener environment for years to come. Additionally, they are raising awareness about the importance of a green campus, inspiring students and staff alike to contribute to eco-friendly practices**.** The institution plans to install solar

power system to offset carbon emission and to replace lighting fixtures with LED lights.

- > The institution has implemented ICT-enabled classes, leveraging technology to enhance the learning experience and provide students with cutting-edge educational opportunities.
- The distinctive practice initiated by CCST College is "**Inclusivity Triumphs: Fostering Gender Equity Amongst Minorities"-** champions the imperative of equality by actively promoting and supporting gender equity initiatives within marginalized communities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	CHERPULASSERY COLLEGE OF SCIENCE AND TECHNOLOGY
Address	Karalmanna Post Cherpulassery Palakkad Dist Kerala State Pin 679506
City	CHERPULASSERY
State	Kerala
Pin	679506
Website	https://ccst.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Dr. N K Babu	0466-2281877	9645573376	-	info@ccst.ac.in
IQAC / CIQA coordinator	Nilufar Sathiq P	0466-2284700	9645573376	-	iqac@ccst.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

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State	University name	Document
Kerala	University Of Calicut	[View Document](#)

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

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
No contents				

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	Karalmanna Post Cherpulassery Palakkad Dist Kerala State Pin 679506	Urban	10.5	4989.88

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	BBA,Commerce And Management,FINANCE	36	Senior Secondary	English	73	36
UG	BCom,Commerce And Management,COMPUTER APPLICATION	36	Senior Secondary	English	73	51
UG	BCom,Commerce And Management,FINANCE	36	Senior Secondary	English	70	41
UG	BA,English,ENGLISH LANGUAGE AND LITERATURE	36	Senior Secondary	English	73	16
UG	BCA,Computer Science,	36	Senior Secondary	English	57	44
UG	BSc,Computer Science,COMPUTER SCIENCE	36	Senior Secondary	English	51	25
UG	BA,Economics,ECONOMICS WITH FOREIGN TRADE	36	Senior Secondary	English	50	35
UG	BSc,Physics,PHYSICS	36	Senior Secondary	English	44	6
UG	BSc,Chemistry,CHEMISTRY	36	Senior Secondary	English	30	8
UG	BSc,Psychol	36	Senior	English	30	20

	ogy,PSYCHOLOGY		Secondary			
PG	MCom,Commerce And Management,FINANCE	24	BCom BBA BBM	English	24	5
PG	MSc,Computer Science,COMPUTER SCIENCE	24	BSc BCA	English	14	3

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	0				0				45			
Recruited	0	0	0	0	0	0	0	0	9	36	0	45
Yet to Recruit	0				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				17
Recruited	10	7	0	17
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				1
Recruited	1	0	0	1
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	1	0	2
M.Phil.	0	0	0	0	0	0	1	4	0	5
PG	0	0	0	0	0	0	2	35	0	37
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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	1	0	1
UG	0	0	0	0	0	0	0	0	0	0

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Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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**	**Others**	**Total**
	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	108	0	0	0	108
	Female	168	0	0	0	168
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	8	0	0	0	8
	Others	0	0	0	0	0

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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	4	0	0	0
	Female	1	6	3	5
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	144	0	0	0
	Female	166	25	11	21
	Others	0	0	0	0
General	Male	17	0	0	0
	Female	20	116	104	113
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	75	103	91
	Others	0	0	0	0
Total		352	222	221	230

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The institution places a strong emphasis on the success of higher education by prioritizing quality and engagement for both faculty and students. Following the guidelines set by the University of Calicut, the institute offers multidisciplinary courses such as Open Course and complementary courses. This approach allows faculties the flexibility to design their own curricula and pedagogical methods, while staying within the approved framework established by the university. To further enrich the educational experience, the institution provides multidisciplinary and interdisciplinary Add-on and Certificate Courses. These additional courses are designed to empower students by exposing them to

	diverse fields of study, fostering a well-rounded and holistic learning experience. The aim is to create optimal learning environments that go beyond traditional disciplinary boundaries, encouraging students to explore and integrate knowledge from various perspectives. Recognizing the importance of supporting students in their academic and career journeys, the institution offers professional academic and career guidence. This initiative is intended to ensure the overall well-being of students, addressing their physical, psychological, and emotional needs. By providing guidance and support, the institution aims to help students make informed decisions about their academic paths and career choices, promoting a positive and nurturing educational environment. The institution's commitment to multidisciplinary education, coupled with the flexibility for faculty innovation and the provision of additional courses, reflects a holistic approach to learning. The emphasis on academic and career counseling further underscores the institution's dedication to the overall well-being of its students, fostering an environment that nurtures both their intellectual and personal growth.
2. Academic bank of credits (ABC):	The Academic Bank Credit system has not yet been implemented in this college. The Institution is ready to implement ABC system provided the University begins it.
3. Skill development:	Mere acquisition of knowledge is insufficient for shaping future citizens; it is the application of knowledge through skills that truly benefits students. Skill development is an ongoing process, demanding consistent efforts. Recognizing this, institutions have established numerous clubs and programs dedicated to fostering skill development among students. However, the current university evaluation system places significant emphasis on attendance and internal examinations. To truly prioritize skill enhancement, there is a need to allocate greater weightage to the assessment of practical skills, ensuring a more comprehensive evaluation that aligns with the evolving needs of the students and society.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Cheruplassery College of Science and Technology, as an Indian institution, is eager to integrate an Indian Knowledge System, contingent upon its introduction by the University of Calicut. The institute currently

	imparts Indian knowledge through language courses in Hindi and Malayalam, and aims to make Indian philosophy, culture, and history mandatory subjects. Taking on a moral responsibility as a stakeholder in the Indian Educational System, the institution is committed to providing quality and equitable education. It plans to offer stimulating courses on the Indian Knowledge System to instill its importance in students from a young age. Emphasizing cultural awareness and expression as crucial competencies, the institution seeks to foster a sense of identity, belonging, and appreciation of Indian cultures, building positive cultural identity and self-esteem among students as Indians.
5. Focus on Outcome based education (OBE):	The University Grants Commission (UGC) has underscored the importance of Outcome-Based Education (OBE), urging universities to align their educational practices with measurable outcomes. While universities have initiated efforts to comply, a challenge arises in the design of undergraduate (UG) course syllabi, which often leans towards traditional lecture-based methods. Many institutions are grappling with the need to bridge this gap and adapt to more contemporary teaching methodologies. Recognizing the evolving landscape of education, institutions are taking the initiative to incorporate modern teaching methods that enhance student engagement, critical thinking, and practical application of knowledge. This transition aims to ensure that the outcomes are not only measurable but also reflective of the skills and competencies required in today's dynamic and competitive academic and professional environments. The focus is on creating an educational framework that goes beyond rote learning and encourages a more experiential and skill-driven approach.
6. Distance education/online education:	The digital surge prompted by the COVID-19 pandemic has ushered in a transformative shift in the use of smartphones for educational purposes. The conventional model of distance education, which primarily involves course registration and examination attendance, is undergoing a significant overhaul. The integration of digital technologies is paving the way for the conversion of distance education into a comprehensive digital learning platform. This evolution enables learners to not only register for courses and take exams remotely but also

actively participate in online classes and gain access to a wealth of digital resources. The shift towards a digital learning platform enhances the overall educational experience by fostering interactive and engaging learning environments, leveraging the capabilities of smartphones to provide a more dynamic and accessible education for students. This transformation aligns with the changing landscape of education, emphasizing the importance of technology in creating inclusive and flexible learning opportunities.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, The Cherpulassery College of Science and Technology has initiated an Electoral Literacy Club (ELC) dedicated to empowering students with knowledge about their democratic rights and the workings of the Indian electoral system. Through seminars, interactive sessions, and workshops, the ELC strives to enhance understanding and participation in electoral procedures among students, fostering a culture of informed citizenship within the campus community.
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?	Yes, Cherpulassery College of Science and Technology, the Electoral Literacy Club (ELC) operates as a cohesive body with a well-defined structure aimed at enhancing awareness of electoral processes among students. Under the leadership of the Principal as Chairman and with the oversight of the Teacher Coordinator, the ELC comprises senior teachers, student representatives from both undergraduate and postgraduate programs, members from local bodies, and representatives from the Parent-Teacher Association (PTA). Together, these stakeholders collaborate to organize sessions and workshops, ensuring the smooth execution of initiatives geared towards promoting electoral literacy among students. Additionally, the ELC takes proactive steps to commemorate events like National Voters Day, leveraging special programs and activities to underscore the significance of democratic participation. Through its concerted efforts, the ELC plays a pivotal role in nurturing a culture of informed citizenship and active engagement in the democratic

	process within the college community.
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 citizens, etc.	The programs conducted by the Electoral Literacy Club (ELC) at Cherpulassery College of Science and Technology are strategically designed to cultivate a deep understanding of democratic rights and responsibilities among students. With a primary focus on promoting awareness of electoral policies and procedures, the ELC endeavors to integrate electoral literacy seamlessly into the curriculum, ensuring that every student comprehensively understands their role as voters. Moreover, the ELC goes beyond classroom learning by organizing workshops and interactive sessions specifically tailored to prepare students for the annual college union election, a significant event noticed by the University of Calicut. Through these initiatives, students not only gain the necessary knowledge but also develop practical skills to engage meaningfully in the democratic process and exercise their right to vote. Recognizing the intrinsic value of democracy, the ELC aims to empower students to become active participants in shaping their future by fostering a culture of informed decision-making and civic engagement. By providing platforms for students to learn, discuss, and actively participate in electoral processes, the ELC plays a pivotal role in nurturing a more informed, responsible, and engaged citizenry within the college community.
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.	Electoral Literacy Club (ELC) plays a pivotal role in fostering democratic engagement among students through a variety of initiatives. These include organizing College Union Election Campaigns and Voting Awareness Programs to emphasize the importance of active participation in electoral processes. Additionally, the ELC hosts curriculum-based seminars on Human Rights and India's Electoral Procedure, equipping students with essential knowledge on fundamental rights and democratic principles. Furthermore, the club conducts specialized programs aimed at educating students about voter registration procedures and the intricacies of the electoral process. By providing comprehensive education and awareness, the ELC empowers students to make informed decisions and actively contribute to the democratic process.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by	At Cherpulassery College of Science and Technology, students aged 18 and above, eligible to

ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	enroll as voters, undergo a process of sensitization regarding their democratic rights, emphasizing the importance of exercising their vote in elections. Spearheading this awareness campaign is the Electoral Literacy Club (ELC), which orchestrates a myriad of activities geared towards instilling this consciousness among students. Among these initiatives, the College Election Activity stands out, offering students a hands-on experience within a democratic framework, thereby elucidating the significance of the electoral process and their pivotal role within it. Complementing this, the ELC organizes interactive sessions and workshops on electoral procedures, ensuring students are well-versed in the mechanics of democratic participation. Recognizing the pivotal role of education in fostering civic responsibility and engagement, the ELC diligently cultivates these values among students. By equipping them with the requisite knowledge and skills for active participation in the democratic process, the ELC assumes a critical role in shaping the future trajectory of democracy in India, nurturing a generation of informed and responsible citizens poised to contribute meaningfully to the nation's governance and development.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
353	223	224	225	195

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: 93

File Description	Document
Institutional data in prescribed format	[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

2022-23	2021-22	2020-21	2019-20	2018-19
46	35	34	39	33

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
152.86	92.67	45.75	82.97	72.02

File Description	Document
Upload Supporting Document	View Document

02-05-2024 03:40:12

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:

Cherpulassery College of Science and Technology (CCST) is affiliated to University of Calicut and it strictly adhere to the curriculum designed and framed by the University. The college takes sincere efforts to deliver the University preferred curriculum and to achieve academic excellence and professional competency by adopting academic flexibility measures. The academic calendar of the college is prepared in the beginning of every academic year in order to ensure that the university curriculum followed in the best of the spirit. It is prepared on the basis of the academic calendar of University of Calicut and annual academic plan prepared by college Academic Council and IQAC.

The curriculum consists of Physical Science, Computer Science, Humanities, Commerce and Management, add on courses, open courses, audit courses, laboratory works and project works. The graduate attributes are adopted as programme out comes. PSO for each programme have been formulated to ensure the attainment of domain specific knowledge and skills in relation with course outcomes. The details of POs, PSO and COs are available in the college website.

Planning and delivery process of curriculum

Before the commencement of every academic year various committees are formed for effective planning and implementation of curriculum delivery. The academic calendar prepared by the college Academic Council and IQAC is published in the college hand book and displayed in the college website.

The Academic Monitoring Committee of the college prepare the general time table and the department wise workloads. Faculty wise time table are finalized by concerned HODs. The faculty members prepare the lesson plan for the allotted subjects as per the number of hours assigned for the subject. The term target register is maintained by each faculty to ensure the completion of syllabus on monthly basis. The HOD reviews the term target register and also the class diary operated by students on a daily basis to ensure portion completion as per the target.

Model Question papers, previous year University question papers, e resources etc are available to the students in the college library and website. CIA dates are shown in the calendar and enables teachers to have a close monitor on students. All departments make use of the ICT facilities and platforms like google meet, google class rooms, zoom, etc for online teaching.

The institution strives to bring in good quality students to meet the requirement of IT sector, Banking and Insurance sector, Industry and business sector, Private and Public education sector etc. To enrich and expand the horizons of learning experience the department conduct seminars, workshops, IV, study tour

and introduce certificate courses. Students are encouraged to take up online courses like MOOC and SWAYAM to attain the credits of audit courses.

Remedial classes are provided to the slow learners. The advanced learners are motivated to represent the institution in brain games, quizzes, professional tests etc.

The feedback regarding the curriculum from the students, teachers, parents and employees is monitored and collected by the IQAC of the institution.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

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: 69

File Description	Document
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](#)

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: 99.59

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

2022-23	2021-22	2020-21	2019-20	2018-19
351	224	223	223	194

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 College has taken impressive efforts to integrate cross cutting issues such as Gender, Environment and Sustainability, Human values and Professional Ethics wherever possible into the curriculum and more often by other indirect means. The college offers various courses through the University curriculum as well as undertakes activities under various clubs to deal with socially relevant cross cutting issues.

Environment and Sustainability:

- Environmental Chemistry (CHE5D01)
- Non conventional Energy Sources (PHY5D01)
- Inorganic Chemistry(CHE5B03)
- Advanced and Applied Chemistry (CHE6B12)
- Add on course - LED Workshop

The college is functioning with a vision to make the college campus Green and Eco friendly. World Environment Day and Ozone Day are observed under various Clubs/Departments. The department of Chemistry and Physics had organized session on "Energy Conservation". Biogas plant and solar panels are installed. LED bulbs made through LED workshops are used in college premises. Under NSS, activities like cleaning of river banks, campaign on Waste Management, Swachata activities, digging rain pits,plastic free initiatives are done.

Gender:

Gender equality is about ensuring that everyone, regardless of their gender, has equal rights, opportunities, and treatment in society. CCST ensures that equal opportunity is given to both genders during admission and during staff recruitment.

- A Debate has been conducted on the topic "Equality Equals Progress" in association with WDC.
- Institution ensures equal representation of students (both genders) in student s union, course committee, class committee, etc.
- Kanal Program **- "**Gender and Relationship".
- Gender sensitization programmes, pre marital counseling sessions and self-defense programs were organized.
- International Women's day is observed every year.
- The film screening has been conducted that explores the lives of women in rural India, addressing issues such as gender inequality, patriarchy, and societal expectations.
- The courses taught include Voices of Women (ENG6B11).

Human Values and Professional Ethics:

- Business Management (BCM1B01)
- Theoretical and Inorganic Chemistry (CHE1B01)
- Professional Business Skills (BBA3A12)
- General Informatics (CSS3A11)
- Software testing and quality assurance (BCA6B17)
- Add on courses on Cyber Security
- Management Theory and Practice (BBA1B01)
- Human Resource Management (BBA5B07)
- Corporate Governance & Business Ethics (MCM1C02)
- Management Theory and Organizational Behaviour (MCM1C04)

Old age home visit, pain and palliative care unit visits are organized every year by the college to make the students aware of social responsibilities. Abhayam- Home for homeless was an initiative of NSS unit. Fund raising for Flood relief, observance of days like Suicide Prevention Day, Human Rights Day, Elimination of violence against women, Consumer rights, etc incorporate human values. Anti-drug campaigns have also been conducted by the institute. Plagiarism Checking is strictly followed in any type of publication. A well formed code of conduct is formulated to motivate the students become a responsible citizen. Red Ribbon Club has also conducted Blood Donation at Government Hospital, Perithalmanna.

Audit Courses

The audit courses, which are interdisciplinary, provide students with an opportunity to expose themselves to disciplines of contemporary and practical relevance like Disaster Management, Environmental Studies and Intellectual Property Rights..

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: 56.94

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

Response: 201

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: 50.58

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

2022-23	2021-22	2020-21	2019-20	2018-19
353	223	224	225	195

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
541	518	567	465	321

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: 42.52

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

2022-23	2021-22	2020-21	2019-20	2018-19
49	31	14	26	25

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

2022-23	2021-22	2020-21	2019-20	2018-19
76	73	77	69	46

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](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 7.67

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 educational institution is dedicated to cultivating an immersive and engaging learning environment where students are at the forefront of their educational journey. Through a plethora of interactive methodologies and experiential learning opportunities, the institution fosters a dynamic atmosphere conducive to holistic development and academic excellence.

Central to its ethos is the promotion of student-centered approaches, where collaborative learning methodologies like group work, brainstorming, and role-playing are not just encouraged but prioritized. These techniques not only amplify student participation and interaction but also facilitate peer-based learning, allowing students to learn from one another's diverse perspectives and experiences.

Moreover, the institution goes beyond traditional classroom boundaries by organizing experimental learning opportunities such as study tours and industrial visits. These experiences provide students with practical insights and real-world applications of their theoretical knowledge, enriching their understanding and preparing them for the challenges of their future careers.

Seminars and debates serve as platforms for student presentations, complemented by state-of-the-art amenities such as LCD projectors and computer labs. This integration of modern technology enhances the learning experience, making it more interactive and engaging for students. Additionally, team teaching encourages diverse perspectives and empowers students to take on teaching roles, fostering a collaborative and inclusive learning atmosphere.

In terms of career guidance and support services, the institution offers a range of initiatives aimed at assisting students in identifying suitable career paths. Soft skill courses and counseling services help students develop essential skills for their future endeavors. The Bodhi Programme and SentireLitirezo further contribute to holistic student development, focusing on personal growth, leadership skills, and language proficiency through a variety of engaging activities and programs.

Furthermore, the institution prioritizes ICT-enabled teaching alongside traditional methods, recognizing the importance of technology in enhancing the teaching-learning experience. Leveraging tools like EMBASE for attendance tracking and Google Classroom for paperless submissions not only streamline administrative processes but also promote tech literacy and eco-consciousness among students.

During the pandemic, the institution seamlessly transitioned to virtual learning using platforms like Google Meet and Zoom, ensuring continuity in student-teacher engagement. Partially automated library and departmental computer labs equipped with Wi-Fi further support online learning initiatives, while multimedia facilities in seminar halls facilitate webinars and workshops organized by various departments.

Annual events like the Magazine manuscript release and orientation programs add vibrancy to the academic calendar, fostering a sense of community and celebration among students and faculty alike. Mandatory inclusion of N List and Koha software in the library optimizes resources, ensuring students have access to a wide range of academic materials.

In conclusion, the institution's commitment to student-centric learning, coupled with its seamless integration of ICT-enabled teaching methodologies, creates a dynamic and enriching educational environment where students are empowered to succeed in both their academic pursuits and future careers.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for 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**

2022-23	2021-22	2020-21	2019-20	2018-19
46	35	34	39	33

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[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: 29.41

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**

2022-23	2021-22	2020-21	2019-20	2018-19
15	12	10	12	6

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 prioritizes transparency, efficiency, and a proactive approach in handling grievances related to internal assessment tests. Subject teachers and department heads have initial jurisdiction over such matters, ensuring a swift resolution process. Detailed guidelines on the evaluation system and grievance redressal mechanisms are provided in the student handbook, facilitating students' understanding and recourse options. Calicut University regulations govern the criteria for calculating internal marks, fostering transparency and accountability among students.

Internal examinations are conducted twice per semester, with students granted access to their answer scripts for review, promoting transparency and allowing for self-assessment. Grievances regarding examinations can be effectively addressed by approaching teachers, the College Examination Coordinator, or the Principal, ensuring timely resolution and fairness.

The institution introduced a front sheet for internal exam answer sheets starting from the 2023-24 odd semester, further enhancing transparency and accountability. This initiative empowers students to verify and confirm their internal marks, fostering a sense of responsibility for their academic performance. Monthly attendance records are published, and absenteeism is reported to parents via SMS alerts, promoting accountability and parental involvement.

Parent-Teacher Associations (PTA) conducted at the beginning or end of each semester provide a platform for communication and feedback, strengthening the partnership between the institution and parents in students' academic journey. Faculty members inform students about assessment process

components at the semester's outset, ensuring clarity and understanding among students.

Internal assessment test schedules are prepared well in advance, adhering to university guidelines and communicated to students, facilitating adequate preparation and planning. Evaluation by course instructors ensures a fair assessment process, with students provided corrected answer papers for verification, fostering trust and transparency.

The institution strictly adheres to the academic calendar for conducting Continuous Internal Evaluation (CIE) activities, serving as the foundation for teaching-learning plans for undergraduate and postgraduate courses. This meticulous preparation ensures consistency and smooth functioning throughout the semester.

University examinations follow a structured process comprising various stages and procedures to uphold fairness and integrity. Question papers securely prepared by the University are downloaded on the date of examination and distributed following a Random Number Block Based (RNBB) method to prevent predictability or bias. Post-examination procedures involve collecting, sealing, and packaging answer scripts date-wise to maintain organization and prevent mix-ups.

Cherpulassery College of Science and Technology adhered to the Barcode exam process last academic year, in line with university guidelines. This encompassed circulation of notification followed by timetable circulation, receival of nominal roll, classroom arrangements, invigilation duties allocation, question paper downloading, class-wise distribution, exam conduct, and secure packing of answer scripts.

Furthermore, the institution upheld a strict anti-malpractice policy, allowing candidates to rewrite exams in cases of detected malpractices. Instances of malpractice, particularly in barcode exams, were reported to the university with Xerox copies of affected answer scripts, ensuring accountability and fairness.

Overall, these measures ensure the systematic and fair conduct of university examinations, upholding integrity and fostering a conducive learning environment for students.

File Description	Document
Upload Additional information	View Document
Provide Link for 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 institution has initiated the implementation of Outcome Based Education (OBE) within its curriculum. Program Outcomes (POs) have been meticulously developed to align with the institution's vision and broader mission of contributing to national development while equipping students with essential 21st century skills to tackle the challenges of the fourth industrial revolution. For both undergraduate and postgraduate programs, POs, Programme Specific Outcomes (PSOs), and Course Outcomes (COs) are formulated through collaborative discussions involving all stakeholders and are effectively communicated to faculty members.

The college has identified a set of essential generic skills including critical thinking, problem-solving, effective communication, social interaction, global perspective, computational thinking, ethics and values, environmental awareness, and lifelong learning as the program outcomes. These outcomes, along with Programme Specific Outcomes (PSOs) and Course Outcomes (COs), have been clearly articulated in advance and are prominently displayed on the college website and printed in the academic calendar. The outcomes are effectively communicated to students through induction and bridge courses. Initially, faculty members prepare a teaching plan aligned with course outcomes, which is presented to students at the beginning of each course. Tutors reinforce these outcomes during tutorial sessions. The attainment of Course Outcomes (COs) for each course is assessed by the respective department council, ensuring alignment with the six cognitive learning levels of Bloom's Taxonomy by utilizing appropriate action verbs to convey the course outcomes effectively to students.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Cherpulassery College of Science and Technology has embraced an outcome-based education approach for both undergraduate (UG) and postgraduate (PG) programs, aligning with the latest syllabi of the University of Calicut. This framework is designed to guarantee the fulfillment of Course Outcomes (COs) and Program Outcomes (POs). Students undergo assessment and evaluation procedures in line with the defined objectives and outcomes, facilitating the achievement of Program Specific Outcomes

(PSOs). Departments utilize a combination of direct and indirect assessment methods to ensure the attainment of POs and COs.

Direct assessment methods to gauge student learning and achievement. These methods encompass a range of activities such as internal tests, which assess understanding and retention of course material; group discussions and seminars, which promote critical thinking and communication skills; internal practical examinations, which evaluate hands-on proficiency and application of theoretical knowledge; student projects and assignments, which encourage independent research and problem-solving abilities; model examinations, which simulate real-world testing environments; course vivas, which assess comprehensive understanding and articulation of subject matter; and attendance monitoring, which ensures consistent engagement with coursework. The scores obtained through these direct assessment methods play a pivotal role in evaluating Course Outcomes (COs), reflecting the extent to which students have mastered the intended learning objectives of their courses.

Indirect assessment methods at Cherpulassery College of Science and Technology encompass collecting student feedback, conducting alumni surveys, and assessing engagement in both co-curricular and extra-curricular activities. These methods provide valuable insights into the overall educational experience and the holistic development of students beyond academic performance.

Feedback plays a crucial role in enhancing the teaching-learning process within the framework of outcome-based education. Internal assessment serves as a continuous evaluation mechanism and is indispensable for meeting the requirements of Course Outcomes (COs) and Programme Outcomes (POs). The internal examination committee oversees the effective execution of evaluation strategies aimed at achieving COs and POs. This involves implementing various initiatives such as unit tests, model examinations, industrial visits, practical work, seminars, and internships. Additionally, the College endeavors to realize COs and POs through a range of co-curricular and extra-curricular activities, including N.S.S, social clubs, career counseling, personality development programs, health awareness initiatives, communication skills training, and expert lectures. Regular analysis of the assessment procedures is conducted, including semester-wise evaluations of student performance to ascertain the levels of attainment of POs, PSOs, and COs.

2.6.3

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

Response: 93.96

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

2022-23	2021-22	2020-21	2019-20	2018-19
166	162	161	103	77

2.6.3.2 **Number of final year students who appeared for the university examination year-wise**

during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
178	174	170	109	81

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](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

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: 0

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

File Description	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:

The institution has developed an eco-system for innovation and progression of ideas of students and teachers.

Entrepreneurship Development (ED) Club is to infuse creativity and innovation among the students of our college for **building a culture of Independent earning through entrepreneurship.** The scope of an ED club in college is multifaceted and can have a significant impact on students, the college community, and the broader entrepreneurial ecosystem.

Our college has a registered ED club under the Directorate of Industries and Commerce Kerala. The club has taken the initiatives to promote the entrepreneurial skills of interested students.

Workshops conducted include those on **Cake and pastry making, Home care products making, Hand wash making and office file making.** Talks with successful entrepreneurs and stock trading talk's conducted. ED club of the college honors **successful entrepreneurs**, in a well-organized function in

order to motivate students.

Initiatives of Entrepreneurship Development Cell

- **Startup Chat:** ED club had arranged talk sessions of successful entrepreneurs with the club members to enable them to grasp life experiences of different entrepreneurs. Club members can utilize this information when executing their own ideas.
- **Hand wash Making:** As we know that the protection from the bacteria are very important in the era of Covid -19. Our ED club arranged a workshop on hand wash making. The product is distributed to the college housekeeping staffs for ensuring the safety of both the students and staffs.
- **Homecare Products Making:** Hygiene is important in everyone's life. Homecare products have a wide market in India. Our ED club opened a way to that market by organizing a workshop of making homecare products. Club supplied 30 liters of floor cleaner to college and also sold among the students.
- **Stock Broking Sessions:** Stocking broking is the next generation career available all around the globe. ED club has taken the initiative to explore the opportunities of stock broking for the students. Club has organized sessions accompanied with different institutions in the field of stocking broking.
- **Cake and Pastry Making :** Food and Beverages is always a hot topic in every market. These kind of businesses are more comfortable for the people from the rural areas, especially women. So the ED club of this institution has organized two day workshop on Cake and Pastry making. Our students have started to take orders from their friends and relatives after this session.

LED Making Workshop: Department of Physics of this college has organized a session of LED making in 2023. LED making workshop among students typically involves hands-on learning about the principles of electronics, circuitry, and light-emitting diodes (LEDs). During the workshop, students are taught how LEDs work, their applications, and how to create simple circuits using LEDs. By the end of the workshop, students gain practical experience in electronics and basic circuit design while also fostering creativity and problem-solving skills through hands-on experimentation with LEDs. LED Workshop, an interdisciplinary approach encourages holistic learning and fosters connections between different areas of knowledge.

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: 9

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**

2022-23	2021-22	2020-21	2019-20	2018-19
5	4	0	0	0

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: 0.09

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

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	3	4	1

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: 0.32

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**

2022-23	2021-22	2020-21	2019-20	2018-19
15	0	0	3	12

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:

CCST play a pivotal role in societal development by serving as hubs for intellectual growth, innovation, and the cultivation of critical thinking skills. Firstly, CCST provide a structured environment where individuals can explore a wide range of disciplines and perspectives. This exposure fosters a deeper understanding of complex societal issues and equips students with the knowledge and skills needed to address them. Through rigorous academic programs and faculty mentorship, college nurture future leaders, scientists, educators, and professionals who contribute to various sectors of society.

OUR INITIATIVES OF COMMUNITY DEVELOPMENT

1. NSS

The National Service Scheme (NSS) is a volunteer program that plays a crucial role in societal development by engaging young people in community service and nation-building activities. Our volunteers continuously monitor the neighbourhood societies and provide various assistance from time to time. They conducted different campaigns to prevent various diseases like cholera, Dengue Fever, etc. **Our NSS volunteers actively involved in collaboration with 'Puzha' to protect Thootha puzha, the one and only water resource to the three neighbouring panchayats.** We undertake various surveys which are assigned by the Cherpulassery municipality related to education, health, standard of living, etc.

in our surrounding community. Under "ABHAYAM" **our NSS team has build a house to a poor family2**

2. Red Ribbon Club

The Red Ribbon Club (RRC) in college serves as a vital platform for promoting awareness, advocacy, and action against HIV/AIDS. Led by students and supported by faculty members, the RRC creates a campus environment conducive to addressing the stigma associated with blood donation and AIDS. Through workshops, seminars, campaigns, and outreach initiatives, the RRC disseminates accurate information, dispels myths, and encourages responsible behaviour among students. **Our red ribbon club organized a blood identification camp for the people living in Karalmanna. We are always ready to help the society through blood donations, Awareness campaigns etc.**

3. Charity Club

The Charity Club within a college serves as a beacon of compassion and altruism, rallying students around the noble cause of helping those in need within and beyond their campus community. Comprising dedicated volunteers, the club organizes a myriad of philanthropic activities ranging from fundraising events to donation drives, volunteer projects, and community outreach initiatives. Through these efforts, the Charity Club provides tangible support to individuals and organizations facing various challenges, including poverty, homelessness, hunger, healthcare disparities, and educational barriers. Moreover, the club fosters a sense of empathy, social responsibility, and solidarity among its members, encouraging them to actively engage in making a positive difference in the world. **Our club members visited old age homes** nearby the college and **provided assistance like offering medicines, health care products, dresses, etc. and our club members are finding time to spend with the people who lived in old age homes.** Our college participated in the CM Flood **Relief Campaign by donating an amount which was collected by the students for their Onam celebrations.** It shows the kindness and empathy of our students towards the people who are suffering various difficulties in our society.

File Description	Document
Upload Additional information	[View Document](#)

3.4.2

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

Response:

NIL

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: 58

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**

2022-23	2021-22	2020-21	2019-20	2018-19
13	13	5	14	13

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View 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: 24

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[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:

The institution's campus is meticulously designed to offer an exceptional educational experience, boasting a total built-up area of 42491.992 square meters spread across departments including commerce, science, computer science, psychology, and arts. With spacious classrooms equipped with modern teaching aids, laboratories furnished with state-of-the-art equipment, and advanced computing facilities, students have ample resources to engage in interactive learning and practical exploration. Each department is tailored to meet the unique demands of its curriculum, providing dedicated spaces for specialized study and academic pursuits.

The campus's academic infrastructure includes:

The institution boasts cutting-edge facilities including ICT-enabled classrooms, an acoustically exceptional seminar hall for professional interaction, modern laboratories, and separate staff rooms for each department. These resources enhance the learning experience, providing students with access to advanced technology, scholarly materials, and opportunities for hands-on experimentation, while also fostering a collaborative and conducive environment for faculty.

Physical facilities:

The institution features 31 spacious classrooms, dedicated departmental staff rooms, and a canteen adhering to high hygiene standards. Additionally, it includes a physical education department, an open-air stage, and water purification facilities. Administrative support is ensured with the inclusion of an IQAC office, NSS office, and front office. For convenience, separate washrooms are provided for boys and girls, along with a sick room for emergencies. Moreover, a power generator ensures uninterrupted electricity supply as a backup measure.

Safety and Security:

The institution prioritizes the safety and security of both students and staff through the implementation of robust physical measures. This includes the installation of firefighting units, CCTV cameras for surveillance, a fortified compound wall to deter unauthorized access, well-secured lockers for

belongings, and designated rooms for university examinations. These measures collectively contribute to creating a secure environment conducive to learning and work.

Library

Library is the heart of every educational institution. Student's academic and General Knowledge can be improved with the help of a good library. We have a collection of more than 5000 books which includes reference books, text books, general reading books, books for competitive exams etc. Apart from books, students can use various magazines and newspapers. Library is equipped with ample seating arrangements for the students and teachers. Procurement of books are made as per the requirements of teachers and students. The Maintenance and utilization of library resources are done through strictly following the library rules.

Other facilities

The campus infrastructure is thoughtfully designed to meet the diverse needs of our community. With Wi-Fi and LAN connections campus-wide, alongside a robust public addressing system, communication is seamless. Purified drinking water is available on every floor, promoting health and hydration. Computers are readily accessible in all departments and offices, facilitating efficient administrative processes. Suggestion boxes encourage feedback and ideas, fostering a culture of collaboration. Additionally, students benefit from dedicated computer resources and co-curricular facilities like a modern amphitheater and an open auditorium. An expansive playground and sports area cater to recreational activities. Together, these amenities create an environment conducive to learning, creativity, and well-being.

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: 84.58

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

2022-23	2021-22	2020-21	2019-20	2018-19
19.00515	344.78321	4.41648	3.6115	5.65541

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:

The library, founded in 2012, functions as a pivotal learning hub within the college community. The college library offers Wi-Fi connectivity, ensuring convenient access for all stakeholders. The library is on the 1stfloor and has 354 square feet. of stack room and 956 square feet. of reading room with a seating capacity of 50 members. The library serves to achieve the institution's goals by offering information, services, and access to both digital and printed resources, aligning with its vision and mission. It is well stacked with 7735 books, 4500 reference books, 10 periodicals, 20 journals and 5 magazines. A digital library comprising 9 systems has been created to facilitate students and faculty in accessing academic information via the internet and electronic resources. The college library employs customized KOHA ILS software, an open-source platform, for its operations.The library version of KOHA ILS is 22.11.07.000 Rosalie.The software's Online Public Access Catalogue feature facilitates database searches within the library by inputting desired terms and primarily serves for retrieving information..The ILS has barcoded all library books, enabling the use of barcoded library cards for book issuance, return, and renewal. The library additionally upholds a physical logbook to oversee member arrivals and departures and to furnish usage data. All computers in the library are linked to a shared printer. The committee overseeing the library and literary forum is tasked with establishing guidelines to maintain the library's efficient operation,with Librarian as the coordinator and representatives from various departments and students as members of the committee.

Library sections:

1. Stack room
2. Circulation section
3. Career corner
4. Reference section
5. e-library
6. Reading area

Library Services:

1. Calicut university previous question papers online and offline
2. Access to INFLIBNET-NLIST resources
3. Academic syllabi
4. Bag deposit counter
5. Previous years question papers of JAM, CUCET,NET
6. OPAC Open access services
7. The number of books to be issued to each student is three and for each faculty member it is ten.
8. Issue of a large number of books to advanced learners on the recommendation of the faculty concerned.
9. Display of the important academic and employment notifications on notice board.

Infrastructure of the library

1. CCTV Surveillance for enhancing security
2. High speed internet (100Mbps)
3. Printer

Resource list

1. Total volumes-7735
2. Periodicals-10
3. Journals - 20
4. Database N-LIST
5. e-books (via N-LIST 200+)
6. e-journals (via N-LIST 200+)
7. Projects

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:

Over the past five years, the institution has continuously evolved and enhanced its IT infrastructure to align with contemporary demands, integrating cutting-edge technologies to ensure optimal functionality and efficiency.

The administrative department, laboratories, digital library, and other offices within the institution collectively generate a substantial volume of data, facilitated by approximately **90 computers**.

The institution currently utilizes a **100 Mbps** internet bandwidth provided by **Diwan** Optical fibers are intends to supplement this with an additional **50 Mbps** bandwidth through a leased **Aliens internet connection**. Wi-Fi connectivity has been expanded to encompass key areas of the campus, including the library, departments, laboratories, offices, seminar/conference halls, and auditorium.

Over the last seven years, the institution has employed the **EMBASE** software for fee payments and implemented a biometric system for automated faculty attendance tracking. Additionally, **CCTV cameras** have been strategically positioned across the campus.

Utilizing a platform to enhance online teaching and learning, the institution actively manages **YouTube channels and social media platforms.** Through timely upgrades of software, Wi-Fi, and other IT amenities, the institution maintains the currency of its learning and administrative systems.

The College ICT cell oversees all ICT-related initiatives in alignment with the guidance of IQAC and ensures the update of IT facilities according to the IT policy.

In 2022, the institution installed **LCD projectors and LCD TVs,** which were utilized in 2023 classes by teachers to create video lessons. All **16** classrooms are digitally equipped with Android TVs and high-speed internet as of 2023.

Network facilities were extended to all departments in 2019, with the establishment of the IQAC office and college office in 2010. An additional internet connection via **Diwan optical fiber and Aliens** was activated in 2019. In 2021, a high-speed **printer** (50 ppm) and PC were procured for the examination cell. The college office facilities were further enhanced with the addition of printers and scanners in 2019.

In **2022-23**, the website underwent an update to include online admission capabilities, as well as login features for students, parents, and teachers, along with an option for alumni registration.

File Description	Document
Upload Additional information	[View Document](#)

4.3.2

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

Response: 4.41

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

Response: 80

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: 28.47

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
33.56285	36.79059	9.33166	26.6929	20.68714

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: 27.46

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**

2022-23	2021-22	2020-21	2019-20	2018-19
63	56	69	86	61

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[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: 95.57

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**

2022-23	2021-22	2020-21	2019-20	2018-19
569	200	55	200	142

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: C. 2 of the above

File Description	Document
Proof related to Mechanisms for submission of online/offline students' grievances	[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: 17.79

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

2022-23	2021-22	2020-21	2019-20	2018-19
31	34	18	24	12

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

2022-23	2021-22	2020-21	2019-20	2018-19
166	162	161	103	77

02-05-2024 03:40:13

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: 1.09

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.)**

2022-23	2021-22	2020-21	2019-20	2018-19
6	0	0	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: 1

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*

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	0	0	0

File Description	Document
Upload supporting document	[View Document](#)
list and links to e-copies of award letters and certificates	[View Document](#)
Institutional data in the prescribed format	[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: 13

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

2022-23	2021-22	2020-21	2019-20	2018-19
26	22	7	6	4

File Description	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:

College alumni play a vital role in shaping the legacy and future of their alma mater. As graduates who have traversed the academic journey, alumni serve as ambassadors, mentors, and benefactors for current students. Through their professional achievements, alumni showcase the value of their education and contribute to the reputation of the institution.

The Alumni Association of this college officially named as Alumni Association of Cherpulassery College of science and technology for women". Since 2021 and now it is renamed as "Alumni association of Cherpulassery college of Science and technology". This name not only incorporates the new college name but also signifies continuity and unity among alumni, regardless of graduation year or field of study.

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:

The institution was established in 2010 by a group of social workers, health activists and educationalists under the auspices of Educational and Charitable Trust, Cherpulassery.

Vision:

To evolve as an Institution that transforms aspirants into model citizens with courage and compassion for global Challenges of life.

Mission:

- To provide High-Quality education in Arts, Commerce, Science & Information Technology.
- To empower the youth for leadership roles with societal concerns and committed to serve for the community.
- To support consistent professional development through planned education through structured skilling and training.
- To become a reliable catalyst for development of the country towards global careers and traits of leading.

Motto:

Academic Excellence through Happy Education

Core Values:

- Excellence
- Social Responsibility
- Growth
- Empowerment and Opportunity

Governance:

The Academic Monitoring Committee composed of Principal, Vice Principal, IQAC Coordinator, HODs, Discipline Committee Coordinator and Office Admin acts as an apex Decision making body. Policy making is vested with the Director Board. Monthly staff meetings are conducted which shows a participatory approach in decision making. The tutor system adopted ensures proper academic assistance

to students with each faculty acting as a mentor. IQAC initiates quality practices; PTA also plays an important role in the governance. Faculty participation in clubs/committees, task forces and academic meetings are encouraged to ensure their voices are heard in shaping college's policies and strategic direction. Departments are given certain degree of autonomy in forming department councils, managing their academic programs, designing add-on courses, student support services, etc. College union election, union activities, internal academic audit, college admission process, discipline committee and NSS/club activities follow participative management.

NEP Implementation

- The college offers various multidisciplinary programs like Physics, Chemistry, CS, Computer Applications, Psychology, English, Economics, Commerce and Management.
- Sessions are organized by IQAC to familiarize faculties with NEPs principles and methodologies.
- Every department adopts active learning methods to engage students.
- E-library facility and computer labs provide support for students from diverse background.
- Extension activities are undertaken to promote social awareness and civic engagement among students.
- Feedback from all stakeholders are collected, analysed and action taken for the effectiveness of NEP implementation.

Perspective plans

Short term plans

- To introduce new add-on/ certificate courses in high demand fields such as Data Science, AI, etc.
- To enhance teaching methodologies by promoting interactive and experiential learning approaches.
- To encourage faculty to engage in professional development activities.
- To upgrade classroom facilities
- To improve campus amenities such as student lounge, recreational spaces, etc.
- Implement career guidance and placement programs to enhance student's employability and job readiness.
- Organize research conferences and publication workshops to showcase and disseminate research findings.

Long term plans

- Foster collaborations with renowned open/International universities for joint degree programs.
- Invest in green initiatives and sustainable infrastructure solutions to minimize college's environmental footprint.
- Forge strategic partnerships with industries and corporate organisations for internships, guest lectures and collaborative research projects.
- Expand community outreach programs and social service initiatives to address local needs and contribute to societal development.
- Strengthen Alumni relations through networking events, mentorship programs and fund raising campaigns.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for 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:

Director Board, Academic Monitoring Committee, College Council, department council and IQAC are the important bodies to implement policies.

Director Board

Director Board acts as the apex governing body in framing policies, deciding on new programs, developing infrastructure, sanctioning posts, appointing staffs and revising salary packages.

College Council

The college council serves as a representative body comprised of students, faculty, and staff, responsible for addressing campus-wide issues, coordinating events, and advocating for the interests of the college community. It plays a vital role in fostering collaboration and promoting student engagement.

Academic Council

It consists of Principal, Vice Principal and HODs from all Dept. and plays a crucial role in maintaining academic excellence, fostering innovation in teaching and learning, and ensuring the quality and integrity of the educational programs offered.

IQAC

IQAC implements quality initiatives. The composition of IQAC follows NAAC guidelines with Principal as the Chairman and a senior faculty member as Coordinator.

Department Council

It consists of HOD and all teachers in the department as members.

Vice Principal takes charges of the Principal in his absence. Academic Coordinator acts as a link between College management committee and administration.

Tutors/ Mentors

Each class has a tutor who provides academic and non-academic support to students. Every teacher acts as a mentor to see to their personal problems if any.

An active PTA also exists which also contributes in decision making.

Examination Cell

The barcode model university examinations are conducted by the Examination wing which consists of Principal as the Chief Supdt. and a senior teacher as the Assistant Superintendent.

Recruitments

A transparent recruitment method is adopted in appointing teaching and non-teaching staff. The panel includes HODs and subject experts.

Service Rules

The work load and service rules of University of Calicut are followed in the institution. Performance based promotions are given.

Admission Process

Student admission is done through the Centralized Admission Process of University. A nodal officer is appointed for admission who is a senior faculty.

The college time is fixed in a way to provide sufficient time for students to spend in the campus for academic and non-academic activities. Certificate/add on courses are provided and also competitive exam coaching/ remedial classes are conducted after regular class hours. The institution also conducts skill development programs for improving the skills of students.

The institution is committed to provide quality education and has implemented various plans to accomplish this goal.

Strategic Plan: 2015-20

- Infrastructural Augmentation
- Introducing new UG and PG programs
- Skill development programs
- The institution introduced new programs like B.Sc Chemistry, BA Economics and M.Sc CS. The institution timing was in such a way that an hour was allotted for skill development activities.

Strategic plan 2020-25

- More Certificate/Add on courses
- Infrastructure augmentation
- Improve sports facilities

- NAAC Accreditation
- The institution being transformed to a mixed gender called the need for more add on programs. Classes were ICT enabled and thrust on sports was given. IQAC was formed to achieve the accreditation process.

File Description	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: B. 3 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
Provide Links for any other relevant document to support the claim (if any)	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 institution has a performance appraisal System, effective welfare measures for teaching and non-

teaching staff, and avenues for career development/progression.

In today's rapidly evolving educational landscape, empowering faculty members is crucial to fostering innovations, enhancing teaching effectiveness, and ensuring the success of students. Recognizing this imperative, educational institutions are increasingly implementing empowerment programs designed to support and enhance the skills, knowledge and capabilities of their teaching and non-teaching staff. Apart from these satisfying the basic needs, all festivals are celebrated to bring togetherness among the staff. Achievements of staff are honored in public meetings as a token of appreciation.

The College provides the following welfare schemes for the staff

- College bus facility for teaching and non-teaching staff for free of cost.
- Maternity leave for lady staff as per government norms.
- Paternity leave as per government norms.
- Casual Leave for 15 days for teaching staff and 20 days for non-teaching staff per year.
- Duty leave to staff members for attending various training programs /orientation/Refresher /workshops/seminars.
- Separate Vehicle parking facility for all staff members and students.
- Remuneration for food and Accommodation for female staff from long distance.
- The college canteen provides food at subsidized rate to teaching and non-teaching staff and students. The canteen committee conducts surprise inspection and ensures quality of food.
- Celebration of festivals like Onam, Christmas, etc.
- Provident Fund.
- ESI Facility.
- Badminton Court.
- Carom board, Chess board for recreation
- Staff tour and Staff day celebration.
- Staff club: The staff club is an association of the college which includes all teaching and non-teaching staff. Staff club has a Secretary. The Secretary convenes meetings to schedule program for the college staff.
- Emergency Medical aid.
- Salary Advance for staff.
- Management Award for the best-performing teaching and Non-teaching staff
- Honoring of teachers acquiring higher academic qualifications by PTA and Management.
- Uniform for security guards.
- IQAC arranges professional development classes for teaching and non-teaching staff
- Refundable advance to guest faculty from PTA
- Cooperative store: The cooperative store is relied upon for books and other stationary items.
- Paying guest facility is provided for lady staff and students.
- Wash rooms: The college has provision for wash rooms in all departments. There are also common wash rooms.
- Drinking water facility: Water coolers are installed in all floors for staffs and students.
- Computer lab facility: The computer has 2 full-fledged labs and one e-library which provides browsing, printing, Photostat facilities to the teaching and non-teaching staff at a nominal rate.
- Free internet access in all departments and office.

Performance Appraisal System

- Performance Appraisal: The self appraisal forms are filled in from the faculties and are assessed; besides HODs assessment of the faculties are also collected. Based on the performance, faculties are recognized and appreciated in the Employee Appreciation ceremony.
- Faculties are assigned club/event coordinators considering their talent.

File Description	Document
Upload Additional information	[View 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: 44.39

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**

2022-23	2021-22	2020-21	2019-20	2018-19
36	30	1	12	4

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](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[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: 72.06

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**

2022-23	2021-22	2020-21	2019-20	2018-19
29	29	31	32	26

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

2022-23	2021-22	2020-21	2019-20	2018-19
3	4	3	3	4

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](#)

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:

The management Committee has developed a policy for resource mobilization and optimal utilization.

The Board ensures that income generated is spent optimally in the institution itself. The tuition fee collected from students is the major source of income. The University of Calicut prescribes the tuition fee for each UG and PG programs and it is displayed in the website and handbook. The management offers scholarship for economically backward students. For other non-academic activities separate funds are raised. The tuition fee is utilized mainly for salary disbursement of teaching and non-teaching staff. Financial support is given to faculties for attending FDPs/workshops/seminars etc.

Major sources of income are

- Tuition fee
- Contributions from Philanthropers
- PTA fund
- From Govt. agency: College does not receive any major fund from Govt. but receives minor financial support from DIC for ED Club, Red Ribbon Club, NSS, etc.
- College also received minor financial support from Dept. of Minority Welfare for conducting Social life wellness program.

Audits

The institution conducts audits at two levels. The college accountant is in charge of regular receipts and payments; also maintains cash book. Monthly debit, credit, DCB statement is generated from ERP software.

The regular audits of all financial transactions are conducted every year by the registered Auditor as well as the Chief Accountant of CCST. Both internal and external audits are conducted in time by the institution which paves way for transparency in the accounts and transactions. The college accountant performs internal audit which includes verifying purchase orders, vouchers and bills on infrastructure augmentation while the external audit is carried out by the registered agency appointed by the Board.

External audit

The external audit is conducted annually at the end of each financial year. A Board meeting is conducted prior to it and the agency is decided for external audit. The auditors notifies the date and request various documents including receipts, ledgers, original bank statements and even a copy of previous audit report. The auditor brings in the organizations attention in case of any discrepancies in the submitted account statements. At the end, a detailed audit report with audit findings and suggested recommendations is submitted by the auditor. The financial statement is then finalized.

Internal audit

Institutional internal audit on all purchase requests, expenditures, revenue generations and budget allocation is done timely. The Executive Director presents the internal audit status in the Board meeting held twice in a year. All kinds of quotes and requests are submitted to the Principal for approval. The lowest quote is approved by the Principal, after which purchase orders are issued. The accountant then processes the bills and vouchers. Funding and crediting of the amount to be sanctioned are sent to the Executive Director for approval, after which payments are processed. The accountant monitors the income and expenditure and maintains the accounts. At the beginning of every financial year, the Director Board scrutinizes the fund flow and cash flow statement internally, and prepares the annual

budget for all heads.

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:

Internal Quality Assurance Cell of CCST established in the Academic year 2021 aims to work towards quality sustenance and develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

The following practices are adopted by IQAC over the years

In the academic year 2020-21 IQAC initiatives include:

- Introducing the functions of IQAC
- Creating awareness about the accreditation process
- Introducing Outcome based Education

The academic year also witnessed the impact of Covid 19 pandemic, IQAC could overcome the challenges and organize various academic activities as well as attempted to bring in a proper documentation.

IQAC initiatives during the academic year 2021-22 and 2022-23

Academic Enrichment programs

- Orientations Programs
- Certificate Courses
- Add-on Courses
- Collaborations and MOUs
- Bridge courses

Department Enhancement Activities

- Teachers diary and class diaries were introduced. Programme registers for all departmental as well as club activities were emphasized along with geo-tagged photosfor systematic documentation.
- Cabins in departments were alloted for safe keeping of documents.
- Mentor mentee system.
- SQCs for participatory appraoch.
- Fostering collaboration among faculties from other colleges and sharing of infrastructure resources.

Faculty Development Activities

- ICT classes for effective teaching
- Stress on Outcome based teaching and learning

Outcome based curriculum implementation

- Workshops on Outcome based education
- Question paper setting and answer key preparation

Teaching Learning process

IQAC has undertaken several measures to review the teaching learning process like academic audit, parents meeting, SQC meeting, assessment of outcome attainment, feedback from students and faculty members.

Academic Audit

Academic audit is done internally by College Audit Committee and IQAC to evaluate the quality of teaching and learning; methods of operations of various systems. Important documents verified are course files, class diary, teachers diary, term target, mentor mentee register,etc. The report is presented in the College Council.

Administrative audit is conducted at two levels. Internal audit is conducted by agency Alpha Taxation & legal Consultants, Perinthalmanna along with college accountant. The external audit is done by the external registered agency (V. M. Sunilkumar & Co., Perinthalmanna). The recommendations of external audit agency are discussed in the Director Board and College Council.

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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](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[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:

Cherpulassery College of Science and Technology (CCST) stands as a shining example of progressive academia, dedicated to fostering gender equity, inclusivity, and the overall well-being of its students and faculty. Formerly focused on women's studies, the college made a pivotal transition into a mixed-gender institution in 2022, emphasizing its commitment to equal opportunities for all genders.

A cornerstone of CCST's ethos is ensuring safe and accessible transportation for female and physically handicapped students. The college offers subsidized bus facilities from various locations, promoting inclusivity and easing commuting challenges. Additionally, in collaboration with "Boon Motors," CCST provides driving classes at reduced rates, empowering female students and breaking gender stereotypes.

Recognizing the importance of menstrual hygiene, CCST has installed sanitary pad incinerators and prioritized hygienic washrooms, including the provision of a dedicated "Ladies Lounge" for privacy and comfort. Moreover, the college extends personalized support to rejoining dropouts, particularly those on maternity leave, facilitating their seamless integration back into academia.

To bolster campus security, CCST has implemented robust measures such as strong fencing and CCTV surveillance, ensuring a safe learning environment. Fire safety is also paramount, with fire extinguishers strategically placed on each floor, demonstrating the institution's dedication to protecting lives and property.

CCST's commitment to student and faculty well-being extends to everyday conveniences. The campus convenience store offers essential stationery items and affordable xerox services, catering to academic needs. Moreover, the college has installed water purifiers across its premises, ensuring access to clean drinking water and promoting good health among its members.

In summary, Cherpulassery College of Science and Technology embodies a holistic approach to education, prioritizing gender equity, inclusivity, safety, and well-being. Through proactive initiatives and comprehensive support services, CCST creates a nurturing environment conducive to learning, personal growth, and academic success.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for 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: C. Any 2 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
Provide Links for any other relevant document to support the claim (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:

Cherpulassery College of Science and Technology (CCST) stands as a shining example of institutional efforts towards creating an inclusive environment that embraces tolerance and harmony across cultural, regional, linguistic, communal, and socio-economic diversity. The college recognizes the importance of sensitizing its students and employees to their constitutional obligations, values, rights, duties, and responsibilities as citizens of a diverse and pluralistic society.

One of the key initiatives at CCST is the celebration of various cultural festivals such as Onam, Eid, Christmas, and Holi, which represent the rich diversity of traditions and beliefs among the student and staff population. These celebrations not only foster cultural exchange and understanding but also promote a sense of unity and inclusivity within the college community.

To accommodate regional diversity, CCST provides college bus and hostel facilities, ensuring that students from different regions have access to transportation and accommodation at affordable rates. This initiative enables students to pursue their education without facing barriers related to geographical distance.

Recognizing linguistic diversity as another aspect of inclusivity, CCST adopts English as the medium of communication for classes and study material circulation. This approach helps overcome linguistic barriers and ensures that all students can effectively engage with the academic curriculum regardless of their native language.

In terms of socio-economic diversity, CCST maintains a uniform and equal fee structure for all students, irrespective of their financial background. This policy aims to create a level playing field and prevent any form of discrimination based on socio-economic status, thereby promoting fairness and equity in access to education.

In addition to these efforts, CCST actively commemorates various national and international observances throughout the academic year. These include World Environment Day, World Elder Abuse Day, National Drug Abuse Day, World Parents' Day, Friendship Day, Independence Day, World Teachers' Day, National Teachers' Day, Ozone Day, Rose Day (Welfare of Cancer Patients Day), NSS Day, Blood

Donation Day, AIDS Day, Republic Day, Pulwama Attack Day, International Yoga Day, Kargil Vijay Divas, Voters Day, Gandhi Jayanti, among others. Through these commemorations, CCST not only raises awareness about important social issues but also instills in its students and employees a sense of responsibility towards contributing positively to society.

In conclusion, Cherpulassery College of Science and Technology demonstrates a steadfast commitment to promoting inclusivity, tolerance, and harmony by implementing a wide range of initiatives that embrace cultural, regional, linguistic, communal, and socio-economic diversity. By sensitizing its stakeholders to their constitutional obligations and fostering a culture of respect and acceptance, CCST strives to create an environment where every individual feels valued and empowered to thrive.

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-Sow, Grow, and Glow: Where Green meets Clean

Objectives -Where Green meets Clean" initiative include promoting environmental sustainability, fostering a sense of responsibility towards nature among students and staff, and creating a healthier and more aesthetically pleasing campus environment. The underlying principles revolve around the integration of sustainable practices into everyday campus life, such as waste reduction, recycling, energy conservation, and the promotion of green spaces. By aligning with these principles, CCST aims to instill a culture of environmental consciousness and contribute to a greener, cleaner future.

The Context -Implementing CCST's "Sow, Grow, and Glow: Where Green meets Clean" initiative required addressing contextual and logistical challenges, securing stakeholder buy-in, navigating financial constraints, and strategic planning.

The Practice-The "Sow, Grow, and Glow: Where Green Meets Clean" initiative at CCST represents a holistic approach to environmental sustainability, uniquely embedded within the Indian higher education landscape. Leveraging its geographical advantages, CCST fosters a green and clean campus environment, setting itself apart from conventional institutions in India. A standout feature is the annual tree planting activity on World Environment Day, in collaboration with the Kerala Forest Department, engaging students and staff in tangible actions to enhance campus greenery. Similarly, its plastic-free status underscores dedication to reducing plastic pollution, serving as a commendable example for sustainability practices. The establishment of a biodiversity park inaugurated by a local MLA showcases CCST's innovative approach to preserving local flora and fauna, contributing to regional biodiversity

conservation. Integration of pisciculture highlights efforts towards sustainable resource management and community engagement. The campus's variety of trees and landscaped surroundings enhance its identity as a green campus, fostering a conducive learning environment and campus community well-being. Despite commendable efforts, CCST may face constraints in scaling up sustainability initiatives due to financial limitations and the need for continued stakeholder support. Overcoming these challenges requires ongoing advocacy and innovation. Overall, CCST's initiative exemplifies a holistic approach to environmental sustainability, showcasing unique practices while addressing constraints with determination and innovation.

*Evidence of success-*CCST's "Sow, Grow, and Glow: Where Green meets Clean" initiative showcases success through various measurable outcomes. This includes consistent tree sapling plantation on World Environment Day, maintaining a plastic-free campus, and successfully establishing a biodiversity park and pisciculture project. Results reveal increased campus greenery, biodiversity preservation, and reduced plastic waste, enhancing aesthetic appeal and environmental quality. The plastic-free status reflects sustainable practices, while the biodiversity park and pisciculture project serve as educational tools. Overall, CCST's sustainability efforts effectively promote a green and clean campus, fostering environmental responsibility among its community.

*Problems Encountered and resources required-*CCST faced challenges in implementing sustainability practices. Plastic disposal methods' failure led to plastic waste accumulation despite efforts for a plastic-free campus. Addressing this requires better waste management strategies like improved recycling or biodegradable materials. Additionally, climate changes affected campus greenery, threatening tree health and biodiversity. Mitigation involves climate-resilient landscaping and irrigation systems. Overall, resolving these issues demands resource allocation, innovative solutions, and collaboration with stakeholders to ensure CCST's sustainability initiatives' long-term success.

Best Practice II-HEARTFELT HAVEN: FOSTERING UNITY THROUGH BENEVOLENT VENTURES

*Objectives-*The practice aims to cultivate a culture of compassion and empathy among teachers and students of CCST through regular charity programs. The objectives include instilling a sense of social responsibility, fostering empathy towards marginalized communities, promoting unity through collective action, and encouraging personal growth through acts of kindness. The underlying principles of this practice are empathy, altruism, solidarity, and the belief in the transformative power of charitable endeavors to create a more inclusive and compassionate society.

*The Context-*The practice encompasses a range of impactful initiatives undertaken by CCST to instill charity and benevolence among its students, faculty, and staff. It entails various activities aimed at serving marginalized communities and fostering a culture of compassion within the institution.

*The Practice-*Firstly, students and staff visit charitable societies like "Abhayam" and "Bethesda" to spend quality time with the residents, understand their needs, and provide necessary supplies. Additionally, students actively participate in blood donation drives, contribute to disaster relief efforts, and support palliative care societies like "Aardram."Furthermore, CCST undertakes long-term projects such as assisting mentally challenged individuals through engagement with organizations like "BUDS." The institution also demonstrates its commitment to social welfare by constructing homes for the homeless, exemplified by the "Abhayam: Home for Homeless" initiative, which involved fundraising and hands-on involvement from the entire CCST community.By actively engaging with marginalized communities and

participating in hands-on charity work, students and staff develop a deeper understanding of societal issues and their role in creating positive change.

Evidence of Success-The success of the practice is evident through several performance metrics, including student participation levels, impact assessments, and community feedback. Over the years, the program has consistently met or exceeded its targets and benchmarks, demonstrating its effectiveness in instilling charitable values and making a tangible difference in the lives of those in need.Student participation rates in charity programs have steadily increased, indicating growing awareness and engagement with the initiative. Surveys and feedback from participants consistently reflect high levels of satisfaction and a sense of fulfillment.Moreover, the program's impact on beneficiaries is notable. For instance, regular visits to charitable homes result in improved well-being and emotional support for residents, as evidenced by their positive interactions with CCST students and staff.

Problems Encountered and resources required-The practice faces several challenges, primarily stemming from the lack of governmental support. The absence of financial aid or resources from governmental structures hindered the execution of certain initiatives, necessitating alternative funding sources and creative solutions.Furthermore, the diverse economic backgrounds of students and staff posed another obstacle. Varying financial capabilities among participants affected their ability to contribute equally to charity programs, requiring thoughtful strategies to ensure inclusivity and participation from all stakeholders.Additionally, the tight academic schedule presented difficulties in allocating sufficient time and resources to organize and execute charitable activities effectively. To overcome these challenges, CCST had to rely on internal resources, community support, and innovative approaches to fundraising and scheduling.

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:

1. INCLUSIVITY TRIUMPHS: FOSTERING GENDER EQUITY AMONGST MINORITIES

Cherpulassery College of Science and Technology (CCST), established under the supervision of Education and Charitable Society (ECTC) in 2010, embodies a unique blend of accessibility, inclusivity,

and quality education. Its institutional distinctiveness is remarkable on multiple fronts, reflecting its commitment to providing affordable education to middle-class and underprivileged students while ensuring their holistic development. Nestled in the remote locality of Karalmanna, CCST strategically situated itself to cater to the educational needs of rural and village students. Its location at the border of Palakkad and Malappuram districts further enhances accessibility, facilitating students from diverse backgrounds to access quality education without geographical barriers.

One of the most striking features of CCST is its inclusive enrollment policy, which predominantly welcomes students from minority communities, especially from Kerala's largest minority population. Recognizing the financial constraints faced by many of its students, the institution proactively offers scholarships and fee concessions, ensuring that financial hardships do not hinder academic pursuits. Moreover, CCST's commitment to academic excellence transcends conventional metrics. It prides itself on nurturing students who may have scored average marks in qualifying exams, providing them with high-quality education and support to excel academically. This approach not only fosters a culture of inclusivity but also underscores the institution's dedication to unlocking the potential of every student, irrespective of their initial academic performance.

Furthermore, CCST goes beyond traditional academic offerings by providing free career opportunities to all students, eliminating any disparities based on socioeconomic status or background. By doing so, the institution aims to empower its students with the skills and opportunities necessary for personal and professional growth, thereby contributing to societal development. In line with its commitment to gender equality and empowerment, CCST collaborates with "Boon" Driving Center in Cherpulassery to offer low-cost driving classes specifically tailored for girls. This initiative not only equips female students with valuable life skills but also challenges societal norms and stereotypes, promoting gender inclusivity within the institution and beyond.

Additionally, CCST prioritizes the holistic development of its students by offering special skill development classes aimed at uplifting the minority section. These initiatives not only enhance employability but also foster a sense of self-confidence and empowerment among marginalized communities, promoting social inclusion and equality

Moreover, CCST demonstrates its dedication to student welfare by providing special care and support to students who rejoin after maternity or related dropouts. Recognizing the unique challenges faced by these students, the institution offers tailored assistance programs to ensure their smooth transition back into academia, thereby promoting inclusivity and supporting students through life's various transitions.

In summary, Cherpulassery College of Science and Technology stands out for its unwavering commitment to accessibility, inclusivity, and quality education. From its strategic location to its inclusive enrollment policies and comprehensive support systems, CCST embodies the ethos of education as a catalyst for social change and empowerment. By prioritizing the needs of underprivileged and marginalized students, CCST not only transforms individual lives but also contributes to building a more equitable and inclusive society.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

Cherpulassery College of Science and Technology (CCST) stands as a beacon of academic excellence and innovation, continuously enriching its educational offerings for students. In the ongoing academic year, CCST has solidified its dedication to fostering collaborations by establishing 15 working Memorandums of Understanding (MOUs) across various industries and institutions. These partnerships provide students with invaluable practical exposure and industry insights.

An exemplary collaboration is with the esteemed Red Hat Academy, providing add-on courses that equip students with cutting-edge skills in technology and software development. Through this partnership, CCST students gain a competitive edge in the dynamic field of information technology.

CCST has embraced pisciculture as a cornerstone of its commitment to sustainable practices and environmental stewardship. Pisciculture offers a proactive approach to responsibly utilizing natural resources while meeting the demand for seafood sustainably. Integrated into the curriculum, pisciculture provides students with hands-on experiences and insights into aquaculture principles, empowering them to advocate for responsible resource management.

Moreover, CCST is dedicated to reducing its carbon footprint and embracing renewable energy sources. The college is planning a transition to complete solar energy, reflecting its forward-thinking approach to energy management and commitment to environmental stewardship.

As CCST expands its network of partnerships, adopts innovative technologies, and champions sustainability, it remains steadfast in its mission to provide high-quality education that empowers students academically, professionally, and ethically. With a focus on excellence and sustainability, CCST is poised to make a meaningful impact on the lives of its students and the communities it serves.

Concluding Remarks :

Cherpulassery College of Science and Technology stands as a beacon of progressive education, social responsibility, and inclusive practices. Founded with a vision to provide quality education accessible to all, the college has evolved over the years to meet the changing needs of its students and society.

From its serene campus nestled amidst nature's beauty to its commitment to gender equality and diversity, CCST embodies the values of compassion, excellence, and sustainability. By reinstating its co-educational status and promoting extracurricular activities for all genders, the college reaffirms its dedication to fostering a holistic learning environment where every individual can thrive.

With a wide range of academic programs, state-of-the-art facilities, and a supportive ecosystem, CCST empowers its students to excel academically, socially, and professionally. Through innovative practices, community engagement, and a focus on environmental stewardship, the college cultivates leaders who are not only academically proficient but also socially conscious and environmentally responsible.

As CCST continues its journey towards excellence, guided by its visionary leadership, dedicated faculty, and

enthusiastic student body, it remains committed to its mission of transforming aspirants into model citizens equipped to tackle the global challenges of the future. With its values rooted in inclusivity, sustainability, and social impact, Cherpulassery College of Science and Technology is poised to make a lasting contribution to the education landscape and society at large.

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