



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING AND TECHNOLOGY, KOCHI (CIPET)**

**HIL COLONY, EDAYAR ROAD, PATHALAM, UDYOGAMANDAL P O, ELOOR
683501**

www.cipet.gov.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

September 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

CIPET has established a centre at Kochi since 2012 - Centre for Biopolymer Science & Technology (CBPST) - with the fund support of Govt. of India as well as Govt. of Kerala. CBPST is renamed as CIPET : IPT - Kochi from March 2018.

Kochi (colonial name Cochin) is a vibrant city situated on the south-west coast of the Indian peninsula in the breathtakingly scenic and prosperous state of Kerala, hailed as "God's Own Country". Its strategic importance over the centuries is underlined by the sobriquet Queen of the Arabian Sea.

CIPET: IPT - Kochi is a model centre for Academic Programs in Biopolymer Science, Polymer Science & Technology and will also focus on promoting Bio plastics and natural fibre based green composites. CIPET is offering PG courses - M.Sc. in Biopolymer Science and M.Sc. in Polymer Science in affiliation with CUSAT. As per the demand for skilled and qualified manpower in plastic industries CIPET : IPT - Kochi has introduced Diploma programmes approved by AICTE.

CIPET : IPT - Kochi is equipped with state of the art infrastructure to provide technical services to plastics & allied industries and to provide quality education to the Students undergoing training in the Institute creating technically qualified manpower to meet the requirement of Industries at various levels.

CIPET : IPT - Kochi is a recognized research centre of Cochin University of Science and Technology (CUSAT). The major research areas include:

- Biopolymers and Composites
- Chemical Modification of Polymers
- Natural Fiber Reinforced Polymer Composites
- Polymer Blends, Alloys and Composites
- Bionanocomposites

Vision

To become an apex Institute of International repute in the field of Petrochemicals Engineering and Technology and ensure sustainable growth.

Mission

To offer blend of specialized Academic and Skill Development Training Programs in the field of Petrochemicals Engineering & Technology in order to provide qualified Human Resources with entrepreneurship qualities for Petrochemical & Allied Industries;

To provide Technology Support in the form of Consultancy Services in the fields of design, tooling, plastics processing, testing & quality assurance and Inspection Services to the Petrochemical Industries including

plastic industries through a Quality Management System;

Dedicated R&D wings on Petrochemicals will develop New Technology, Applications & Handholding Entrepreneurs by Technology Transfer, Intellectual Property (IP) and Knowledge Base.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The strength of the Institute are,

- Institute has Competent and Qualified faculty members and State-of-the-art infrastructure and sophisticated lab equipments
- Institute has smart classrooms and central library.
- Institute is a recognized research centre of cochin University of Science and Technology (CUSAT) for pursuing Ph.D. programmes
- The institute has signed Memorandum of Understanding (MoU) with CUSAT for sharing of faculty, sharing of infrastructure facilities, etc.
- Scholarships are available for students to make education more accessible to underprivileged groups.
- The quality management of the Institute is certified by ISO:9001-2015.
- Institute has a strong relationship with industries which facilitates better placement opportunities.
- Institutes has various clubs for students to connect the students with the society
- The institute has excellent placement record, overseas placement and higher education in reputed institutions in and outside the country.
- Faculty members are directly involved in technical consultancy to the industries and acquire up to date knowledge on the recent technologies of polymer and allied sectors.
- The institute organizes the national conference on “Biopolymers and Green Composites” every year in series to create a bridge between the students and renowned scientists and technologist.

Institutional Weakness

- Number of faculty in permanent role is less and needs to be increased for the institutional growth.
- Limited autonomy in curriculum development. The college being affiliated with CUSAT, the institute bound to follow the curriculum framed by the university.
- Shortage of faculty with the specialized expertise.
- Securing of research patents for innovative idea and products has yet to be focussed.

Institutional Opportunity

- Opportunities are there for few more interdisciplinary courses
- The college can emerge itself as a role model in the fields of polymer science and engineering
- There is a demand for online courses
- Expanding the activities of incubation cell to promote the entrepreneurship and innovate indigenous technologies.
- Connecting with industry and other reputed establishments collaboratively, apply for DST and other

sponsored research funds, motivating faculty to involve in cutting-edge and applied research.

- There is an ample scope for starting UG programme in Chemical / chemistry with specialization in polymers.

Institutional Challenge

- Non-availability of land for future expansion of the institute
- CIPET, being the institute affiliated with CUSAT, it is unable to design and develop the curriculum
- Innovations in curriculum and teaching pedagogy to place students at par with global competitions.
- Sports activities needs to be enhanced
- Lack of awareness about the competitive examinations and disinterest for employment.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

CIPET: IPT - Kochi offers 02 M.Sc. programmes affiliated to Cochin University of Science and technology (CUSAT) and adhered to the regulations and curriculum offered by CUSAT. The institute follows the Choice based credit system.

1. Institute prepares an annual calendar based on the calendar published by CUSAT every year.
2. At the beginning of every semester, the departmental faculty meeting will be organized under the chairmanship of Principal / Academic Head. The subject allocation, preparation of lesson plans were planned during the meeting, well before the commencement of classes.
3. Faculty members will prepare the teaching plan based on the academic calendar of the year in order to complete the syllabus as per the schedule.
4. CIPET Kochi encourages the faculty members to use the technology based methods as teaching aids for effective teaching. Institute provides, Laptops, Inbuilt Projectors in every class room, internet connections to support the faculty members to adopt the technology based teaching methods.
5. CIPET Kochi has a well organized Library with extensive collection of books and journals for the access of faculty, students and research scholars. The Institute library has DELNET subscription and registered with NAD.
6. The continuous assessment will be regularly given through assignments, tests, projects, oral tests, etc.
7. Further, regular visit to industries, field visits and mock interviews will be conducted for the preparation of students for their career development and placement.
8. IQAC coordinator will be responsible to ensure the smooth conduct of academic activities.

Teaching-learning and Evaluation

CIPET Kochi focus on student - centric methods in teaching and learning process in order to expand the thought process of students.

EXPERIMENTAL LEARNING:

CIPET: IPT Kochi is equipped with the machineries to cater services to industries directly in the filed of polymers / plastics and allied industries. The students are provided with the direct exposure to all equipments and machineries. Students will get hands on experience in operation of processing, toolroom and testing machineries.

Field Visit and industrial visit:

Department will arrange industrial visit to understand the activities of industries. Also, students are encouraged to participate in short term training programme in reserach institutions like rubber board, DIAT, etc.

Projects:

All students are allowed to do research based projects related to their syllabus in IITs, CSIR and DRDO laboratories during their final semester.

PARTICIPATIVE LEARNING

Participative learning encourages students to collaborate and participation in the learning process. Students will work in teams and groups in class room discussions.

Group Discussion and Seminars

Group discussion and seminars by the students will conducted oftenly in the classrooom in order to improve the communication skills, to face the interviews confidently, etc.

Team & Group work:

Students will be allotted to make posters, working models to exhibit in exhibitions or in conferences.

PROBLEM SOLVING METHODOLOGY

This method will focus on to develop the ability for the students to solve the complex problems. Conduct of Case studies, Industry interaction, Alumni meets will help the students to understand the complex problems and provides skill to solveing the problems.

Research, Innovations and Extension

CIPET kochi has created the innovative eco system to transfer the knowledge and technology. The infrastructure consists of research laboratories, library, space for reserach and academic discussions.

CENTRE FOR RESEARCH

Polymer science Department of CIPET Kochi is a recognized centre for reserach under Cochin University of Science and Technology (CUSAT). The centre offers Ph.D. programmes and conduct sponsored research projects. Also provides to application development and innovation support to industries.

INNOVATION CELL

The Institute has established the Institute innovation cell, which is equipped with the facilities and space for the students to work on their innovative ideas.

ENTRPRENEUR DEVELOPMENT CLUB

The Entrepreneurship development club was established in the institute and oftenly conducts seminars and workshops among the students with the support of successful entrepreneurs. IPR workshops has also been organized.

INCUBATION CENTRE

The institute has an incubation centre, wherein 03 incubatees are presently incubated and three different technologies were developed. With the support of Kerala Startup Mission, regular industry interaction meets have been organized.

National Conference on Biopolymers and Green composites are constant organized every year as a part of the knowledge transfer activity.

Montly seminar from the experts are being organized to explore the advancements in the field of polymers and allied sectors.

Provide awareness programmes to the students about the young innovators scheme and other schemes available to explore the innovative ideas of the yound minds.

Students are allowed to participate in the seminars and conference outside the institute and students have won awards.

Infrastructure and Learning Resources

CIPET: IPT Kochi has adequate infrastructure facilities for conducting the post graduate programmes. The institute has the toatl land area of about 3.49 acres with the buildup area of about 8763.12 square meters.

The institute has 17 class rooms, 01 smart class room, 01 drawing hall for conducting regular classess and 01 reserach room.

The instituite also has the innovation cell in order to provide space for the students to work on the innovative ideas.

The institute has 02 videoconference room with 01 board room for conducting seminars, conferences and workshops, etc.

All class rooms are equipped with LCD projectors.

The institute has various laboratories such as Polymer Synthesis lab, Polymer Characterization lab, Polymer processing Lab, Microbiology lab, Computer (CAD) lab, Electrical Lab, Physics lab, Mould making lab, etc.

The institute has licensed softwares for product design such as,

- CATIA
- CREO PARAMETRIC
- UNIGRAPHICS
- ANSYS
- AUTOCAD

The institute is having the library facilities with seating capacity of 60, with 1730 numbers of books. The library also have subscription of journals, DELNET subscription etc.

Institute has the boys hostel with maximum occupancy of 100 and rented girls hostel with the occupancy of 70.

The institute has the facilities such as purified drinking water in each floor of the academic block, and has adequate numbers of wash rooms.

The institute has the allotted rooms for indoor games.

The institute also have adequate space for conducting cultural events, yoga session, etc. Every year students used to conduct various cultural events such as 'IGNITE', ONAM CELEBRATION, FRESHER'S DAY, etc.

Student Support and Progression

Students are encouraged to participate in various co-curricular and soft skill activities. Institute is conducting capacity building programmes such as soft skill programmes and the communication skill programmes to the students regularly.

Institute provides oppurtunities to students to participate in various co-curricular activities organized in the instituiton as well as by the other institutions.

Efforts are made to build the overall development and competencies of students by organizing workshops and training programs to improve their soft skills, communication skills, life skills, ICT literacy etc. Every year, a number of students progress to higher education through succeeding entrance examinations.

The special efforts have been taken for the inculcation of human values and social awareness in the students through the activities like Blood Donation Camp, Tree Plantation activity, Cleanliness Campaign (Swachh Bharat Abhiyan), Women's day, Teachers day, etc.

CIPET Kochi has a prosperous sports culture and has a good infrastructure for cultural events. Students' representation to various academic, administrative bodies, including IQAC ensures that students are enabled to participate in the institutional developmental process

Governance, Leadership and Management

The institute aligns its vision and mission with national policies on higher education, focusing on education as a means of nation-building and social reform.

To achieve this, CIPET Kochi implements programs and activities such as Value-Added Courses, Welfare Schemes, Sports, Cultural Programs and Career Guidance.

The Principal and Head of the department plays a key role in governing and managing the institute through the IQAC.

The institute encourages faculty to participate in professional development opportunities such as Orientation, Refresher Courses, Short-Term Courses and Faculty Development Programs.

Faculty members are provided with on duty leave and financial support for attending Seminars, Workshops, Conferences and Faculty Development Programs.

The institute has implemented e-governance in various areas such as Administration, Finance, Accounts, Scholarships, Student Admissions and Examinations.

The performance of teaching staff is evaluated through self appraisal system.

Institute encourages the faculty to submit research proposals to obtain financial support from funding agencies such as DST, DBT, CSIR, AICTE, etc.

The IQAC works to ensure and enhance the quality of the education.

Institutional Values and Best Practices

CIPET Kochi actively engaged in programs and campaigns in partnership with faculty, staff and students to raise awareness on gender issues specifically the empowerment of women and environmentally conscious practices.

The Institute takes necessary steps to manage solid, liquid and e-waste. The institute conducts various awareness programmes on plastics waste management. Being the pioneer in polymers, CIPET contributes the maximum in creating the awareness on plastics waste management and use of alternatives to Single Use Plastics.

The institute maintains a clean and green campus.

The institute is proposed to use solar energy and LED lamps to reduce energy consumption and also conducts energy audit for implementation of energy-saving strategies.

The institute aims to enhance the future academic excellence through the introduction of specialized UG and PG programs.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING AND TECHNOLOGY, KOCHI (CIPET)
Address	HIL COLONY, EDAYAR ROAD, PATHALAM, UDYOGAMANDAL P O, ELOOR
City	KOCHI
State	Kerala
Pin	683501
Website	www.cipet.gov.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Rajesh K A	0484-2547741	8129497182	-	kochi@cipet.gov.in
IQAC / CIQA coordinator	K P Bhuvana	0484-2546740	9894398623	-	cbpsttrg@gmail.com

Status of the Institution	
Institution Status	Government

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Kerala	Cochin University of Science & Technology	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	HIL COLONY, EDAYAR ROAD, PATHALAM, UDYOGAMANDAL P O, ELOOR	Urban	3.49	8763.12

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Co course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
PG	MSc,Polymer Science,BIOPOLYMER SCIENCE	24	B.Sc. in Polymer Science Chemistry or Polymer Chemistry	English	24	24
PG	MSc,Polymer Science,POLYMER SCIENCE	24	B.Sc. in Polymer Science Chemistry or Polymer Chemistry	English	30	30
Doctoral (Ph.D)	PhD or DPhil ,Polymer Science,	36	M.Sc. in Physics or Chemistry or Polymer science or material science or M.Tech. in Polymer Technology or materials Science	English	8	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	1				2				9			
Recruited	1	0	0	1	2	0	0	2	4	5	0	9
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	1				2				9			
Recruited	1	0	0	1	2	0	0	2	4	5	0	9
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				4
Recruited	3	1	0	4
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				4
Recruited	3	1	0	4
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				7
Recruited	3	4	0	7
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				7
Recruited	3	4	0	7
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	2	0	0	1	4	0	8
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	2	0	0	0	1	0	0	0	0	3
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	0	0	0	0	0	0	1
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	0	0	0	0	0	0	1
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	1		0		1

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
PG	Male	31	0	0	0	31
	Female	76	0	0	0	76
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	2	0	0	2
	Female	0	1	0	0	1
	Others	0	0	0	0	0
Diploma	Male	108	0	0	0	108
	Female	12	0	0	0	12
	Others	0	0	0	0	0
Certificate / Awareness	Male	1380	0	0	0	1380
	Female	652	0	0	0	652
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	1	3	2	1
	Female	3	1	3	4
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	4	4	1	4
	Female	9	9	9	6
	Others	0	0	0	0
General	Male	7	7	9	8
	Female	24	29	24	26
	Others	0	0	0	0
Others	Male	0	0	2	3
	Female	0	0	3	2
	Others	0	0	0	0
Total		48	53	53	54

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The offered Post graduate programme in Polymer science and Biopolymer science is an interdisciplinary course which has the scope of research and employment in the field of biotechnology, biomedicine, advanced materials science etc.
2. Academic bank of credits (ABC):	CIPET: IPT - Kochi has registered in NAD digilocker and ABC portal. The implementation is under process.
3. Skill development:	CIPET: IPT - Kochi conducts various Skill Development Programs in the field of Plastics product manufacturing, testing and Quality Control

	supported by State Government and Central Government Departments like SC & ST Development Dept., Govt. of Kerala, Power Finance Corporation Ltd., New Delhi, National Scheduled Castes Finance and Development Corporation (NSFDC) National Backward Classes Finance and Development Corporation (NBCFDC), and organizations such as Petronet LNG Foundation etc. Programs offered : 1. Plastic Product Manufacturing & Quality Control 2. Plastic Product Design and Development 3. Machine Operator – Injection Moulding 4. Machine Operator Assistant–Injection Moulding 5. Machine Operator Assistant–Plastics Processing
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The present curriculum does not include the Indian Knowledge system. Whereas, during the next revision of curriculum, the same shall be incorporated.
5. Focus on Outcome based education (OBE):	The course outcome of the existing PG courses, i.e. M.Sc. in Polymer Science and M.Sc. in Biopolymer science are emphasised on the requirements of polymer and allied industry. At the end of the programmes, the students are able to develop a new class of polymer / polymer compound with the desire characteristics for any specific or innovative applications. The students are able to develop an innovative products and value addition in the products, to fulfill the requirements of industries.
6. Distance education/online education:	Online Short term courses are being conducted for students / research scholars from other institutions, Polymer & Allied industries, etc. in and around kerala.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. Electoral Literacy Club is recently established at CIPET: IPT - Kochi.
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. Faculty In-Charge (01 No.) and Student members (27 Nos.) are appointed by the institute and the club is functional.
3. What innovative programmes and initiatives	An orientation programme for the club members

<p>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.</p>	<p>were organized by the institute. Annual calender for club activities were prepared.</p>
<p>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.</p>	<p>Awareness drives are planning to be organized during the academic year 2023-2024.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>Yes. Members of ELC were conducted an awareness programme in the institute for the students above 18 years for enrolling in electoral.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
54	48	53	48	43
File Description		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: 22

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
12	10	9	12	12

3 Institution

3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
474.64	374.30	437.06	369.92	326.34
File Description		Document		
Upload Supporting Document		View Document		

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

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

Response:

CIPET: IPT - Kochi offers 02 M.Sc. programmes affiliated to Cochin University of Science and technology (CUSAT) and adhered to the regulations and curriculum offered by CUSAT. The institute follows the Choice based credit system.

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3. Faculty members will prepare the teaching plan based on the academic calendar of the year in order to complete the syllabus as per the schedule.
4. CIPET Kochi encourages the faculty members to use the technology based methods as teaching aids for effective teaching. Institute provides, Laptops, Inbuilt Projectors in every class room, internet connections to support the faculty members to adopt the technology based teaching methods.
5. CIPET Kochi has a well organized Library with extensive collection of books and journals for the access of faculty, students and research scholars. The Institute library has DELNET subscription and registered with NAD.
6. The continuous assessment will be regularly given through assignments, tests, projects, oral tests, etc.
7. Further, regular visit to industries, field visits and mock interviews will be conducted for the preparation of students for their career development and placement.
8. IQAC coordinator will be responsible to ensure the smooth conduct of academic activities.

File Description	Document
Upload 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: 10

File Description	Document
List of students and the attendance sheet for the above mentioned programs	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

Other Upload Files

1	View Document
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1.2.2

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

Response: 10.98

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

2021-22	2020-21	2019-20	2018-19	2017-18
8	6	9	4	0

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:

Some of the subjects in the present curriculum such as Polymer and Environment, Polymer recycling, Polymers in Renewable energy are offered by Department of Polymer Science as a part of curriculum. Since, the curriculum is being designed by CUSAT, the institute has the limitation in including the above in the curriculum. However, the institute integrates the cross cutting issues through establishment of various student's clubs in the Institute. Presently, in CIPET kochi 06 clubs are there.

1. Health & Wellness Club
2. Environmental Club
3. Entrepreneur Club
4. Arts Club
5. Sports Club
6. Electoral literacy Club
7. Photography Club

Gender

Number of Programmes were conducted for girl students such as Women health hygiene, Women empowerment, women entrepreneur, etc. Major gender issues are focused and addressed through the activities like Save girl child campaign, Essay and poster exhibitions, wall paper presentations, etc.

Environment and Sustainability

The environment club of CIPET: IPT - Kochi has conducted number of tree plantation campaign in various part of Kerala. The club has also conducted various awareness programmes in the rural areas towards waste management, water conservation, etc. various competitions such as speech, poster making, guest lectures from experts, etc. The Cleanliness drive has been organized in nearby schools, Celebration of World environment day by planting trees, etc.

File Description	Document
Upload Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest

completed academic year)

Response: 100

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

Response: 54

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: B. Feedback collected, analysed and action has been taken and communicated to the relevant bodies

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 90.74

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

2021-22	2020-21	2019-20	2018-19	2017-18
53	48	53	48	43

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
54	54	54	54	54

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

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: 71

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

2021-22	2020-21	2019-20	2018-19	2017-18
17	17	15	17	5

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

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

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: 4.5

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:

CIPET Kochi focus on student - centric methods in teaching and learning process in order to expand the thought process of students.

EXPERIMENTAL LEARNING:

CIPET: IPT Kochi is equipped with the machineries to cater services to industries directly in the filed of polymers / plastics and allied industries. The students are provided with the direct exposure to all equipments and machineries. Students will get hands on experience in operation of processing, toolroom and testing machineries.

Field Visit and industrial visit:

Department will arrange industrial visit to understand the activities of industries. Also, students are encouraged to participate in short term training programme in reserach institutions like rubber board, DIAT, etc.

Projects:

All students are allowed to do research based projects related to their syllabus in IITs, CSIR and DRDO laboratories during their final semester.

PARTICIPATIVE LEARNING

Participative learning encourages students to collaborate and participation in the learning process. Students will work in teams and groups in class room discussions.

Group Discussion and Seminars

Group discussion and seminars by the students will conducted oftenly in the classroamm in order to improve the communication skills, to face the interviews confidently, etc.

Team & Group work:

Students will be allotted to make posters, working models to exhibit in exhibitions or in conferences.

PROBLEM SOLVING METHODOLOGY

This method will focus on to develop the ability for the students to solve the complex problems. Conduct of Case studies, Industry interaction, Alumni meets will help the students to understand the complex problems and provides skill to solveing the problems.

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: 91.67

2.4.1.1 Number of sanctioned posts year wise during the last five years

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

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 60

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
6	7	7	7	6

File Description	Document
Institution data in the prescribed format	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:

Internal Assessment: Evaluation of performance of student by the teachers within the institution.

External Assessment: Evaluation of performance of student by an external agency.

CIPET Kochi has a clear and transparent policy for both internal and external assessment. The annual calender provides the schedule and dates for internal assessmnet. The external semester exam will be scheduled by affiliating university, i.e. Cochin University of Science and technology (CUSAT).

Internal assessment will be done through the regular assignments, seminar presentation by students and continuous assessment test. 40% weightage is given to internal and 60% weightage is given for external assessmnet. The break up for internal assessmnet is as follows.

1. 50% (20 marks) - Average of 02 continous assessmnet test / tutorials
2. 30 marks - Average of 02 assignments, projects, seminars
3. 10 marks - Attendace
4. 10 marks - General behaviour

Teachers ensure that the students are aware about the above internal assessment criteria.

Students will be given oppurtunities to improve their performance.

Institute has the well defined system for adressing the grievances related to examination.

At the end of each semester, the internal assessmnet marks are viewed by the students and student can submit grievances to the course coordinator within a stipulated time.

The concerned faculty will address the grievances of the students pertaining to the internal marks. Later the internal marks will be submitted to affiliating university.

Students grievances registartion is available in cipet website. And students grievance meeting is regularly being conducted by the course coordinator in the presence of Head of the department, Principal / Vice Principal.

The final examination answer scripts are evaluated by the evaluator and then reviewed by the moderator before submission of final marks to the affiliating university.

CIPET Kochi employs a robust mechanism to ensure transparency and objectivity in dealing with grievances related to internal examinations.

File Description	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:

CIPET Kochi follows the curriculum and syllabus prepared and approved by the Board of studies of Cochin University of Science and Technology (CUSAT). For effective implementation of the programme, the programme outcomes, course outcomes and programme specific outcomes are well defined by the institute for each programme.

The programme outcomes are stated and displayed in website along with the syllabus.

The attainment of Programme specific outcomes have been evaluated to ensure the improvement in quality of the institution. This is one of the agenda in all the meetings of IQAC cell of CIPET Kochi. The POs, PSOs and CO of all programmes are available along with the syllabus and curriculum, which has been circulated to students at the beginning of the semester.

During the students induction programme, POs, PSOs, COs are shared and discussed with the students.

Curricular and Co-curricular activities are conducted based on the vision, mission, POs and PSOs of the programmes.

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:

Attainment of POs and COs are evaluated by the following methods.

IQAC has employed a method for evaluating the attainment of POs and COs by two ways.

- a) Conduct of Quiz individually or in Group
- b) Comprehensive viva at the end of each semester
- c) Group discussion

Computation of Level of Attainments

1. Survey from the outgoing students about the rating on the mapping of COs to PSO and PO
2. Compute average scores from the survey
3. 25% score from Quiz / Viva / Group discussion
4. 75% score from the survey
5. Resulting the sum of scores to 100.
6. The level of attainments are as follows

Score	Level of Attainment
Above 75	High
Between 50 to 75	Moderate
< 50	Low

File Description	Document
Upload Additional information	View Document

2.6.3

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

Response: 100

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

2021-22	2020-21	2019-20	2018-19	2017-18
50	53	50	44	20

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

2021-22	2020-21	2019-20	2018-19	2017-18
50	53	50	44	20

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

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.5

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: 60.89

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

2021-22	2020-21	2019-20	2018-19	2017-18
60.89	0	0	0	0

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

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

Response:

CIPET Kochi has created the innovative eco system to transfer the knowledge and technology. The infrastructure consists of research laboratories, library, space for reserach and academic discussions.

CENTRE FOR RESEARCH

Polymer science Department of CIPET Kochi is a recognized centre for reserach under Cochin University of Science and Technology (CUSAT). The centre offers Ph.D. programmes and conduct sponsored research projects. Also provides to application development and innovation support to industries.

INNOVATION CELL

The Institute has established the Institute innovation cell, which is equipped with the facilities and space for the students to work on their innovative ideas.

ENTREPRENEUR DEVELOPMENT CLUB

The Entrepreneurship development club was established in the institute and oftenly conducts seminars and workshops among the students with the support of successful entrepreneurs. IPR workshops has also been organized.

INCUBATION CENTRE

The institute has an incubation centre, wherein 03 incubatees are presently incubated and three different technologies were developed. With the support of Kerala Startup Mission, regular industry interaction meets have been organized.

National Conference on Biopolymers and Green composites are constant organized every year as a part of the knowledge transfer activity.

Montly seminar from the experts are being organized to explore the advancements in the field of polymers and allied sectors.

Provide awareness programmes to the students about the young innovators scheme and other schemes available to explore the innovative ideas of the yound minds.

Students are allowed to participate in the seminars and conference outside the institute and students have won awards.

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

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

File Description	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: 1.59

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

2021-22	2020-21	2019-20	2018-19	2017-18
13	6	6	4	6

File Description	Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	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: 1.45

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

2021-22	2020-21	2019-20	2018-19	2017-18
9	6	7	5	5

File Description	Document
Institutional data in the prescribed format	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:

CIPET Kochi has carried out various extension activities based on social, environmental, moral and health issues.

SOCIAL AWARENESS:

CIPET Kochi regularly conduct awareness programme to the public on "Plastics Waste Management", "Use of alternatives to single use plastics", etc. Also, the environmental club students of CIPET Kochi regularly conducts the awareness programmes on importance of tree plantation and conservation of water to the school students.

During COVID 19, CIPET Kochi has provide financial contribution to community kitchen at Eloor Municipality, Distributed mask to the public, manufactured face shied and supplied to various industries.

As a part of swatchatha mission, CIPET Kochi has participated in cleaning drive and provided the awareness to the society about the importance of cleanliness.

NATIONAL INTEGRATION:

As per the direction of the Government of India, CIPET Kochi has celebrated the 'Azadi Ka Amrut Mahostav'. Various competitions were conducted for school students and prizes were distributed.

GENDER SENSITIZATION

CIPET Kochi provides equal status and oppurtunitis to the students. CIPET kochi has various committees such as sexual harrasment, anti ragging committee, 24 x 7 women helpline cell, etc. to monitor the regular activities

SKILL DEVELOPMENT PROGRAMMES

CIPET kochi offers various skill development programmes and trained manpowers in the field of Polymers and allied sectors.

3.4.2

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

Response:

GUINNESS RECORD

As a part of 50th Year celebration of CIPET (Golden Jubilee Year), CIPET have gathered students, staff, industry partners to create the world's largest human recycling logo with the symbol measured 64 ft by 69 ft - that's almost the same size as two tennis courts - with a total of 3,373 participants.

AWARDS

CIPET receives "RAJBHASHA EXCELLENCE AWARD" from Shri Ananthkumar, Hon'ble Minister for Chemicals & Fertilizers and Parliamentary Affairs, Government of India in the meeting "Hindi Salahakar Samati" of Ministry of Chemicals & Fertilizers.

AWARDS FOR SKILL DEVELOPMENT PROGRAMME

Gold Award received for efficient implementation of Skilling Initiatives under Government Training Institute Category from Ministry of Social Justice & Empowerment, Govt. of India, National Backward Classes Finance & Development Corporation (NBCFDC), New Delhi

File Description	Document
Upload Additional information	View Document

3.4.3

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

Response: 7

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

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	01	01	01

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

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: 10

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

CIPET: IPT Kochi has adequate infrastructure facilities for conducting the post graduate programmes. The institute has the total land area of about 3.49 acres with the buildup area of about 8763.12 square meters.

The institute has 17 class rooms, 01 smart class room, 01 drawing hall for conducting regular classes and 01 research room.

The institute also has the innovation cell in order to provide space for the students to work on the innovative ideas.

The institute has 02 videoconference room with 01 board room for conducting seminars, conferences and workshops, etc.

All class rooms are equipped with LCD projectors.

The institute has various laboratories such as Polymer Synthesis lab, Polymer Characterization lab, Polymer processing Lab, Microbiology lab, Computer (CAD) lab, Electrical Lab, Physics lab, Mould making lab, etc.

The institute has licensed softwares for product design such as,

- CATIA
- CREO PARAMETRIC
- UNIGRAPHICS
- ANSYS
- AUTOCAD

The institute is having the library facilities with seating capacity of 60, with 1730 numbers of books. The library also have subscription of journals, DELNET subscription etc.

Institute has the boys hostel with maximum occupancy of 100 and rented girls hostel with the occupancy of 70.

The institute has the facilities such as purified drinking water in each floor of the academic block, and has adequate numbers of wash rooms.

The institute has the allotted rooms for indoor games.

The institute also have adequate space for conducting cultural events, yoga session, etc. Every year students used to conduct various cultural events such as 'IGNITE', ONAM CELEBRATION, FRESHER'S DAY, etc.

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

4.1.2

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

Response: 24.36

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

2021-22	2020-21	2019-20	2018-19	2017-18
75.02	119.65	143.26	59.52	85.43

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:

CIPET Kochi library has a collection of about 1730 books. CIPET Kochi Library is automated with KOHA Library Management Software. WE have an institutional repository by using DSPACE which includes question banks, articles published by faculties and staff, newspaper clipping, conference proceedings etc.

CIPET Kochi library has subscribed to the DELNET Database which includes e-journals, e-books, e-resources for our patrons. Library has around 2000 Nos. of book collection. Through our library, we are giving current awareness services to the users.

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

CIPET Kochi has an advanced IT infrastructure in order to facilitate the improvement and advancements in teaching and learning process. The facility includes robust wi-fi network in the entire campus providing internet connectivity to all the faculty and other members of the institute.

CIPET Kochi is regularly conducting online courses for skill upgradation and skill development. Internet has become one of the essential for the smooth conduct of academic activities. Faculty utilizes the Powerpoint presentations projected through LCD projectors, utilizes online platforms such as google meet, Zoom, Webex, etc. for conducting online lectures and online meetings with experts and alumni.

CIPET kochi is equipped with a local area network (LAN) in the office and computer labs as well as internet connectivity with Wi-Fi. The institute has 11 ICT classrooms, one smart classroom, one seminar hall and one conference hall with LCD projectors, LAN, Wi-Fi and audiovisual aids. This facilitates the technology-enabled learning experiences.

CIPET has signed MoU with National Knowledge Network (N.K.N) and they are providing an internet

facility of 100 Mbps Speed. And, we are using Fortigate (Firewall software) for internet security which is updated yearly from Linknet Solutions Pvt Ltd.

File Description	Document
Upload Additional information	View Document

4.3.2

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

Response: 1.2

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

Response: 45

File Description	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: 18.94

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

2021-22	2020-21	2019-20	2018-19	2017-18
191.64	109.95	28.69	25.04	20.04

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

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

Response: 68.7

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

2021-22	2020-21	2019-20	2018-19	2017-18
39	40	26	34	30

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

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: D. 1 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
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: 40.24

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

2021-22	2020-21	2019-20	2018-19	2017-18
36	24	16	18	5

File Description	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: B. 3 of the above

File Description	Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	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: 74.77

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

2021-22	2020-21	2019-20	2018-19	2017-18
44	47	32	21	16

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

2021-22	2020-21	2019-20	2018-19	2017-18
48	53	48	43	22

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: 25.93

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	4	3	5	1

File Description

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: 4

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	1	1	2

File Description

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: 11

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

year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	7	11	17

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

5.4 Alumni Engagement

5.4.1

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

Response:

There is a registered Alumni Association within the institute. The goal of the association is to build a mutual relationship for the benefits of Alumni as well as the Institute. Various activities are being organized with the assistance of Alumni. Regular Alumni meet is being organized. Alumni are invited to interact with the the students in order to provide couciling, awareness about the oppurtunities inside india and abroad. Alumni will share their success stories and their obstacles to achieve the goal, which facilitate the students to focus their targets in a serious manner.

ACTIVITIES AND CONTRIBUTIONS

1. Alumni are invited for the placement drive
2. Alumni are invited to deliver Guest Lecture on their expertise and to explain the students about the various oppurtunities around them.
3. Alumni, who are placed and pursuing higher studies in abroad and in reputed institutions are invited to share the procedure and fellowships available.
4. Alumni meet are conducted and obtain feedback about the curriculum enrischment.

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 vision of the Institute is to become an apex Institute of International repute in the field of Petrochemicals Engineering and Technology and ensure sustainable growth.

The governance model employed by CIPET is well-defined, transparent and collaborative participation of stake holders.

CIPET Management comprise of Governing Council Headed by Chairman, Secretary of Department of Chemicals and Petrochemicals (DCPC), Government of India. The entire CIPET centres are managed by the Head of the Institution, Director General of CIPET and each CIPET centre is headed by Principal Director / Director / Joint Director.

Administrative Governance: CIPET Kochi is headed by Joint Director & Head / Principal. Vice principal, Head of the departments, Accounts Officer and Admin Officer work in tandem to ensure the sustainability of the institution.

The Vision and Mission will be considered while implementing the NEP such as the curriculum designing in line with the requirements of industries of petrochemical sectors.

The short term institutional plan is to achieve high rate of placement records in the reputed institutions and the long term plan is to frame a friendly network among the stake holders (Alumni, Recruiters, Students), Digitization of activities, Online and Onsite courses,

Academic Governance: Governs the academic activities, ensures the effective implementation of academic process and the welfare of students and faculty.

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:

The management is continuously working for the upgradation of the institute through short term and long term goals. Through various committee and IQAC, the institute has arrived with a draft of PERSPECTIVE PLAN 2023 - 2028. The perspective plan is mainly focussed on the following key points.

1. Institutional Growth - Infrastructure, Human Resource
2. Implementation of NEP 2020
3. Start of New Courses
4. Digi Locker
5. Research & Development
6. Industry Connect
7. Digitization of activities
8. Alumni data base
9. e-Office

File Description	Document
Provide Link for Additional information	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

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:

CIPET has performance appraisal system for both teaching and non teaching staff.

Teaching Staff:

- The performance are evaluated through Annual Personal Appraisal report (APAR).
- APAR scores plays a vital role in the promotion decisions.
- Faculty in the temporary role will be assessed for the consideration of extension of his / her contract.
- The best performer will also be recognized through increment, award during annual day etc. in order to motivate themselves for further progress.
- The assessment also considers the criteria such as nature and habits, compatibility with co-workers, departmental competency, etc.
- The APAR form is available in the website and also it will be circulated to all employees.

Non Teaching Staff:

- The performance of non-teaching staff will also be assessed based on APAR system.

File Description	Document
Upload 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: 78.18

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and

towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
15	10	5	8	5

File Description

Document

Institutional data in the prescribed format

[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: 8.33

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

2021-22	2020-21	2019-20	2018-19	2017-18
4	2	2	2	2

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

2021-22	2020-21	2019-20	2018-19	2017-18
17	18	18	18	18

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Copy of the certificates of the program attended by 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:

CIPET Sustains on self supporting mode and generates revenue through technical support services to the industries in addition to the academic and research activities. CIPET Kochi has various technical departments such as Design, Tool Room, Processing and Plastics Testing Laboratories. Additionally, CIPET Kochi Supports the various Government bodies in Pre Delivery Inspection (PDI) and Post Delivery Inspection for the bulk procurement under various schemes.

CIPET supports the industries to solve the challenges that is being faced by them in terms of industrial consultancy projects. CIPET offers consultancy services to the industries in developing new product development, New materials and failure analysis.

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:

CIPET constantly and continuously update and upgrade the machinery / equipment in-line with the fast changing industrial requirements. In-order to enhance the employability of students, CIPET also Imparts personality development, soft skills, industry internships as a part curriculum. Even though the quality education and training forms the part & parcel of both the long term professional skill development training and short term skill development training programmes, CIPET continues to focus on enhancing the quality education & training, technical support services and research work at par with the international standard.

Therefore imperative need is felt establish an exclusive CIPET-Internal Quality Assurance Cell (IQAC) at CIPET Head Office for monitoring the Approval of academic programmes through All India Council For Technical Education (AICTE), ISO Certification and other quality initiatives.

OBJECTIVES:

- To develop quality parameters for the activities of the Institution

- To create a student-centric teaching environment conducive to imparting quality education.
- To solicit, format and implement feedback / suggestions from stake holders on quality related affairs.
- To create quality consciousness among the stake holders especially students and both teaching and non-teaching faculty.
- To document the steps taken and process implemented, leading to quality enhancement.
- To act as a nodal agency to coordinate quality related activities in the campus.
- Monitoring the AICTE, ISO 9001 QMS and other activities related to Quality initiatives.

The Functions of CIPET IQAC are:

- Development and application of quality benchmarks / parameters / measurable objectives / Risk based thinking for the various academic, Technical & administrative activities of the institution.
- Dissemination of information on the various quality parameters of higher education.
- Organising of workshops, seminars on quality related themes.
- Documentation of the various programmes / activities leading to quality improvement.
- Acting as a nodal agency of the institution for quality-related activities.

File Description	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: E. None of the above

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:

GENDER EQUITY

CIPET Kochi has organized few Gender Equity programs to promote gender equality and women empowerment. CIPET Kochi often organizes women redressal meeting periodically for safeguarding and well being of women employees, female staff members and female students of the Institute. Female employees are encouraged to attend workshops / seminars related to women empowerment.

Safety and security:

- Safety of Women is ensured in the campus.
- Female employee is identified as a care taker and Warden in the girls hostel for the well being of female students.
- CIPET Kochi has 24 x 7 helpline for the women.
- Institute has counsellors for boys' and girls' students in the campus.
- Anti ragging Committee
- Sexual harassment committee
- Mentors

Facilities for Women in Campus

- Common room for girls
- Sanitary-Pad vending Machine and Incinerator

File Description	Document
Upload Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures

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

Response: B. 3 of the above

File Description	Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	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

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:

CIPET Kochi is very oftenly organizing communal socio-economic activities. Few are listed below.

1. Students used to visit Government schools and clean the campus often.
2. Faculty members used to provide awareness programmes and career guidance at schools located in the rural areas.
3. Distributed Dustbins to Government schools as a part of Swatchtha Bharath Mission
4. Books were offered by CIPET Kochi to Government higher Secondary Schools

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 Practices:

1. Release of Institute e-Newsletter - Montly, Since 2022
2. Organizing Series of National Conference on "Biopolymers and Green Composites - BPGC" since 2013 with the funding support of SERB, New Delhi and CSIR, New Delhi
3. Tree Plantation in the camus by VIPs, Ministry Officials and Ministers during their visit to CIPET Kochi
4. Maintain Green Environment inside the Campus
5. 100% of students will be placed at various reserach institutions and industries for inplant project.
6. Good number of Overseas placement

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:

Institutional Distinctiveness

OVERVIEW

Central Institute of Petrochemicals Engineering & Technology (CIPET) (*formerly known as Central Institute of Plastics Engineering & Technology (CIPET)*) was established in 1968 by Government of India with the assistance of United Nations Development Programme (UNDP) at Chennai. The main objective of setting up of this specialized institute was to develop manpower in different disciplines of Plastics Engineering & Technology as no similar institute was in existence in the country. International Labour Organization (ILO) served as the executing agency. During the initial project period between 1968 and 1973, the institute achieved the targets envisaged and was rated as one of the most successful UNDP projects implemented worldwide. Today CIPET is a premier Academic institution for higher & technical education under the Ministry of Chemicals & Fertilizers, Govt. of India fully devoted in all the domains of plastics viz:- Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Production Engineering, Testing and Quality Assurance. CIPET operates from various locations spread across the country to cater the needs of the Polymer and allied industries.

A PREMIER GOVT. OF INDIA INSTITUTE FOR HIGHER & TECHNICAL EDUCATION AND RESEARCH IN THE FIELD OF POLYMER SCIENCE & TECHNOLOGY

Post-independence, it became a matter of concern that Plastic Engineering & Technology was a growing science and yet there was not enough human resource to meet the demand. Imperative need was felt to establish CIPET -- the unique institute of its kind in the country and even today the institute holds a premier position. The primary objective of CIPET has been contributing towards the growth of the plastics industry through a combined program of education and research. The Institute has evolved through the years, creating closer ties with industries with the intent to create innovative plastic based solutions which are resource efficient and marketable. This has led to an exponential growth with activities and programs focusing on:

- Academics
- Research
- Technology Support
- Skill Training

INFRASTRUCTURE

All the CIPET centres are equipped with state-of-the-art with excellent facilities in the areas of Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Plastics Processing, Testing and Quality Assurance with plan fund support from Government of India. In-line with the ever changing & challenging needs of the plastic industries, we continuously upgrade and modernize machinery, equipment and technology.

NATIONAL AND GLOBAL RECOGNITION

We have gained global recognition for our research & development in the niche areas of Polymer Science & Technology and high quality education & skill development in the field of plastics.

CIPET also plays a pivotal role in generating employment opportunities especially for unemployed and underemployed youth and promoting entrepreneurs through various skill development training programs.

CIPET believes strongly in sustainability and enriching institute-industry interface in accordance with the environment policies of the country while still being fit-for-purpose. Our sustained effort in creating awareness on environmental issues towards plastics and plastics waste management has been very well acknowledged by the industry.

INDUSTRY ALLIANCES

CIPET has an enviable interface with its business and industry partners. We provide technical / consultancy services in design, tooling, plastics processing & testing for the benefit of plastics & allied industry. We have been in the forefront of strengthening technological capabilities and have been constantly building capacities and leveraging our expertise, calibre and skill sets to meet the emerging and evolving needs of the industry.

Over the span of 50 years, CIPET has been recognized for our work with a large number of industry clients for our Technology Support Services in the areas of design, tooling, plastics processing and testing and quality assurance. This includes governmental agencies as well as public and private sector industries, both in India and abroad.

CELEBRATING DEDICATED SERVICES TO THE NATION

- CIPET -- under the Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, Govt. of India, -- was established in the year 1968 at Chennai with the prime objective of imparting education in the field of Plastics Engineering & Technology. Over the years, in-line with the mandate and industry needs, CIPET also started focusing Skill Training and Technology support in addition to Academic and Research in all the frontiers of Plastic Engineering & Technology and contributes significantly towards in the growth of Plastics and allied industries. In order to cater the needs of plastics industries in effective manner CIPET has expanded its wings and today operates from 39 locations in 22 States and few more are in the process of establishment.

MARCHING TOWARDS EXCELLENCE - MAJOR HIGHLIGHTS

- Unique Institute of its kind in the whole of South East Asia where the entire gamut of Skill Development Programs, Academic Programs and R & D activities in the field of Polymer Science & Technology are carried out under one roof.

- PAN India presence with 39 locations in 22 States and few more are in the process of Establishment.
- During the period 2017-22 CIPET centres have trained 2,94,516 students through Academic programs (both Long-Term and Short-Term Skill development training programs) and proposed to train 5,00,000 students in the next five years across the country.
- CIPET offers its Technology Support services in all the key sectors of Indian Economy which includes Automobiles, Aerospace, Agriculture, Building & Construction, Defence, Fast Moving Consumer Goods (FMCG), Information Technology, Medical, Packaging and Teletronics, etc.
- CIPET also undertakes Research & Development activities in the niche areas of Polymer Science & Technology.
- With strong Alumni base of above one lakh Professionals, CIPET has emerged as an Apex plastics technology institution, not only in India but also as a unique institution of its kind in Asia. CIPET's Alumni network spreads across the globe. "CIPET" brand itself is recognised as major qualification criteria for supervisory and managerial manpower for the plastics industries.
- CIPET signed MoUs with World renowned Institutions in order to facilitate faculty exchange, students exchange programs and joint collaborative R & D initiatives in the field of Polymer Science & Technology.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Our Graduate and Masters Degrees, while coming under the guidelines of the affiliated universities follow a curriculum that is a combination of theory and practise. This is why we are able to consistently achieve a high employment record with a large number of students also opting to study further. CIPET since its inception 50 years ago has positioned itself as a leader in the field of Polymer Science and Plastic Technology. This along with our strong links to industry has given our students a competitive edge. Our students develop skills, knowledge and experience that enable them to take up challenging career in the industry.

CIPET has an outstanding environment to encourage research activities. CIPET provide aspiring researchers a perfect ambience to pursue their goals efficiently. CIPET is recognized by Department of Scientific & Industrial Research (DSIR), Department of Science & Technology, Government of India, and various other governmental institutions for successful accomplishment of numerous R & D projects in various streams of Polymer Science, Engineering and Technology. One of the major strengths of CIPET is its ability in building and nurturing sophisticated research facilities in-house and working towards the mission of being a Global R & D hub in India as well as in abroad.

CIPET is ISO certified for training activities, NABCB certified for third party inspection and NABL accredited for Testing activities.

Concluding Remarks :

CIPET is one of the premier institution in the field of polymer science and technology. CIPET Kochi offers two specialized PG programmes namely MSc in Polymer Science and MSc in Biopolymer Science. The courses are affiliated with Cochin University of Science and Technology (CUSAT). CIPET Kochi is the recognized research center of CUSAT offering Ph.D. programmes in the field of polymers, materials science etc.

CIPET Kochi is equipped with adequate infrastructure and competent faculty members to provide the quality education to the students. The strength of CIPET is strong interaction and association with industries across the country. The students are exposed to real time industrial experience inside the campus. Students are encouraged to do project in the reputed research institutions for their better employment and further research scope.

CIPET constantly and continuously update and upgrade the machinery / equipment in-line with the fast changing industrial requirements. In-order to enhance the employability of students, CIPET also Imparts personality development, soft skills, industry internships as a part curriculum. Even though the quality education and training forms the part & parcel of both the long term professional skill development training and short term skill development training programmes, CIPET continues to focus on enhancing the quality education & training, technical support services and research work at par with the international standard.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
3.1.1	<p>Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)</p> <p>3.1.1.1. Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs) Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>60.89</td> <td>29.89</td> <td>28.72</td> <td>70.84</td> <td>55.7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>60.89</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : Considering only ICAR project grant</p>	2021-22	2020-21	2019-20	2018-19	2017-18	60.89	29.89	28.72	70.84	55.7	2021-22	2020-21	2019-20	2018-19	2017-18	60.89	0	0	0	0
2021-22	2020-21	2019-20	2018-19	2017-18																	
60.89	29.89	28.72	70.84	55.7																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
60.89	0	0	0	0																	
3.4.3	<p>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.</p> <p>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>07</td> <td>01</td> <td>01</td> <td>01</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>1</td> <td>01</td> <td>01</td> <td>01</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	10	07	01	01	01	2021-22	2020-21	2019-20	2018-19	2017-18	3	1	01	01	01
2021-22	2020-21	2019-20	2018-19	2017-18																	
10	07	01	01	01																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
3	1	01	01	01																	
4.4.1	<p>Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)</p> <p>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) Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18															
2021-22	2020-21	2019-20	2018-19	2017-18																	

202.45	192.7	319.4	268.24	242.86
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
191.64	109.95	28.69	25.04	20.04

Remark : Considering expenses on repair and maintenance only

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

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

Answer before DVV Verification : B. 3 of the above

Answer After DVV Verification: D. 1 of the above

Remark : Considering the Soft skills Preplacement Training (04.09.2023 - 07.09.2023) for capacity development activity

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
97	98	84	96	98

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	7	11	17

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.**

Answer before DVV Verification : C. Any 2 of the above

Answer After DVV Verification: E. None of the above

2.Extended Profile Deviations

Extended Profile Deviations

No Deviations
