YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution — Pimpri Chinchwad College of Engineering, Pune

- Name of the Head of the institution — Dr. Govind N. Kulkarni
- Designation — Director
- Does the institution function from its own campus? — Yes
- Phone No. of the Principal — 02027653168
- Alternate phone No. — 8975230323
- Mobile No. (Principal) — 7743820774
- Registered e-mail ID (Principal) — principal@pccoepune.org
- Address — Pimpri Chinchwad Education Trust's Pimpri Chinchwad College Of Engineering Sector -26, Pradhikaran, Nigdi, Near Akurdi Railway Station.
- City/Town — Pune
- State/UT — Maharashtra
- Pin Code — 411044

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) — 22/07/2020
- Type of Institution — Co-education

- Location **Urban**
- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Suddep D. Thepade**
- Phone No. **02027653168**
- Mobile No: **9766258833**
- IQAC e-mail ID **sudeep.thepade@pccoepune.org**

3.Website address (Web link of the AQAR (Previous Academic Year) http://www.pccoepune.com/naac-iqac.php

4.Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: http://www.pccoepune.com/academic-calendar.php

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.2	2017	27/11/2017	26/11/2022

6.Date of Establishment of IQAC **05/02/2019**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NA	Nil	Nil	Nil	Nil

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI View File

9.No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report — No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Response: The IQAC plays an active role in synchronizing a quality culture in all the process engagement within the Institute. This culture is consistently maintained through numerous initiatives taken by the IQAC Cell throughout the year.The following are the significant contributions made by IQAC during the current year: • NIRF Ranking Improvement action • Faculty strength outreach in web environment • Review of all criteria under NBA for IT and Civil • Decision about NBA application for E&TC, Comp and Mech • Review of NBA visit preparation • Revision of Performance Appraisal and its evaluation • Revision of Vision and Mission • R&D Collaboration

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
NIRF Ranking Improvement action	Incentives for quality publications is initiated and there is improvement observed in the quality publications
Faculty strength outreach in web environment	Personal websites of faculty members is published and DARPAN fellowship scheme is implemented as a reward for the same
Revision of Performance Appraisal and its evaluation	Parametric format for performance appraisal is implemented
R&D Collaboration	“Kshitij”: a show case conference of innovative projects was carried out by the students. Such projects were showcased to the industry delegates

13.Was the AQAR placed before the statutory body? No

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Nil	Nil

14.Was the institutional data submitted to AISHE ? Yes

- Year

Part A	
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Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
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Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
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Name of the statutory body	Date of meeting(s)
Nil	Nil

14.Was the institutional data submitted to AISHE ? Yes

- Year

Year	Date of Submission
2022	08/01/2022

15.Multidisciplinary / interdisciplinary

Response: PCCoE believes in Project Based Learning with a

multidisciplinary approach. In the B Tech program, 12 credits out of 160 credits are for open electives, where students can learn the courses from other disciplines also.

Students can opt for a Minor program in Semester V, which is spread over 4 semesters (V-VIII). Eligible students can opt for any one Honors or Minors certification offered in a given academic year by the department. To avail Honors or Minors certification, students need to acquire additional 20 credits. Ex. Student of Mechanical Engineering selecting Data Science, then B. Tech (Minors) in Mechanical Engineering with a specialization in Data Science is offered.

It is absolutely not mandatory for any student to opt for Minors Program. The choice is given to the individual student to undertake Minors programs from the Third year of engineering (Fifth Semester) to the Fourth year of engineering (Eighth Semester). Minor programs are to be opted from the offered programs by PCCoE. Once selected, the student is not permitted to change the Minors program in forthcoming semesters.

16.Academic bank of credits (ABC):

Response : PCCoE has not implemented the Academic bank of credits so far

The admission to B.Tech. program at PCCoE takes place in regular and lateral entry modes. Students shall be eligible to apply for a change of branch after completing the first two semesters. The candidate seeking a change in course or shift after completing the first year of studies or both first and second semester examinations in full or failed in one of the heads of passing will be allowed to do so in the same institute subject to the availability of seats, and changes will be carried out based on the marks of the First year or First and Second semester together.

Dropping of Courses: A student can drop an Elective Course (Maximum 2) before Internal Evaluation 1 under the guidance of the PTG and recommendation of the Course Teacher if the Student and Parent feel that the student cannot cope with all the courses registered at a time during that semester. However, the total credits should not fall short of 16 credits which is the minimum number of credits to be registered per semester. The students can register for the new elective courses (other than dropped courses) in the next year. This dropping of the course shall be

intimated to the Dean Academics, through the HOD of the department before the dropping date is announced. The dropped courses are not recorded in the grade card. This facility is not applicable to First Year students.

Withdrawal from Courses: A student can withdraw from the Elective Courses (maximum 2) after Internal Evaluation 1 and before Mid Term Examination under the guidance of the PTG and the recommendation of the Course Teacher if the Student and Parent feel that the student cannot cope up with the courses. However, the total credits should not fall short of 16 credits which is the minimum number of credits to be registered per semester. The student has to reregister for the same course withdrawn in the next year by paying applicable fees. The withdrawn course(s) are recorded in the Grade Cards as “WW” grades. However, such withdrawals will be permitted only twice during the span of the program. This facility is not applicable for first-year students. A student who wants to utilize this facility must apply with the recommendation of the course teacher through the Head of the department to Dean Academics, in consultation with PTG and parents.

The Dropping and withdrawal facilities are available only for REGULAR Semester(s)

Temporary Semester Break of Study from the Programme: A candidate usually is not permitted for break of study. However, if a candidate intends to temporarily discontinue the program in the middle for valid reasons such as entrepreneurship, incubation, start-ups, internships leading to placement, foreign university opportunities, research opportunities etc., and wants to rejoin the program later in the respective semester, he/she shall apply to the Director, well in advance.

17.Skill development:

Response: PCCoE always strives to impart value-added quality education that satisfies the need and expectations of society and industry at large. Being an autonomous institute, different innovative steps in the curriculum framework is put forth. Some glimpses: Innovation through V lab, online teaching through Bodhi tree, flipped classes etc.

PCCoE believes in holistic education, and students are given the opportunity to demonstrate and develop their leadership and decision-making skills.

Cultural Initiatives : The students actively participate in various extracurricular activities, including Dance, Orchestra, Fine Arts, and Drama etc.

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

Response:

Teaching in Regional language

PCCoE has B. Tech Computer Engineering (Marathi) program from A.Y. 2021-2022. This has been an opportunity for all students who have studied in a regional language till their 11th and 12th or have a regional language (Marathi) as their mother tongue. A fine blend of regional languages helps the students to express their technical ideas/ queries at certain times. For this division, teaching is in blended mode, both in Marathi and English. Technical concepts are elaborated in the Marathi language, which further helps to learn the concepts very easily. The question paper formats and content delivery methods have been put to ease with the regional language usage.

Culture: NSS, ART CIRCLE, Maiboli group

Most of NSS and Art circle activities are carried out in the regional language. Local/regional language indeed add ease in all types of expression and helps the students to express their ideas, and talent in different art form.

Maiboli SIG group has been formed to provide a platform for all faculty members to express their talents in all art forms. Communication is a necessity of humankind and language is one of the mediums for the same. The use of regional language for non-academic activities helps the students to express their ideas effectively.

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

Response: PCCoE practices Outcome Based Education through the team of committed faculty members and staff with the appropriate and adequate knowledge of roles and responsibilities. The program-level outcomes and targets are set at the onset of the semester, and at the end of the semester, it is reviewed for its attainment by the Program Assessment Committee (PAC). Departmental Advisory Boards (DAB), with representatives of stakeholders, support and suggest the program all possible

measures.

At the start of every semester, HoD addresses the students and reiterates the significance of OBE. The course teacher in the first-course session discusses the Course level outcomes that are expected of students. There are subject group meetings, and Module meetings held every semester and the course team presents course outcomes, methods, and tools to assess attainment. The suggestions and modifications discussed in module meeting, and percolation of course outcomes to students is very well practiced in the Institute.

20.Distance education/online education:

Response : PCCoE does not run any program for distance eduction/online education.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	17

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	4151

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	974

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations	2222

conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	**515**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**227**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**235**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**1354**
4.2 Total number of Classrooms and Seminar halls	**147**
4.3 Total number of computers on campus for academic purposes	**1976**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**1915**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Response : PCCoE is an Autonomous Institute from 2020-21. It currently has an autonomous curriculum from First Year to Third Year (B. Tech.) and M. Tech. The final year follows the SPPU structure. Both curricula have relevance to local, national, and global developmental needs.

PCCoE adopts the Choice Based Credit System (CBCS) for all its programs.

1. **Every program has a Board of Studies (BoS), comprising of Senior faculty members, External domain experts, Industry Experts, and Alumni.**
2. **Internal subject expert and all subject teachers draft the syllabus as per the AICTE guidelines, and frame the course objectives and outcomes.**
3. **The BoS after deliberations, approve the syllabus of any course and also looks into the relevance and requirements of any course in the program, the necessary amendments, and revisions, to cater the industry needs and market trends.**
4. **On the implementation level, the Plan-Delivery-Assessment-Attainment cycle is followed for COs, POs, PSOs attainments. Such status achieved are presented, and suggestions are considered for further improvements.**
5. **The learning outcomes for each course are unfolded through the planned course objectives and stringent efforts through CDMs.**

Above mentioned entire process incorporates the local, national, and global needs of the society. As a result of which PCCoE caters to the following stakeholders at local and global levels:

1. Geographical need of Pune

2. IT Sector

3. Automobile Industries

4. Construction of Residential zones and allied developmental

projects

5. Automation Industries

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	http://www.pccoepune.com/syllabi.php

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

38

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

296

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Response: PCCoE an Autonomous Institute, offers a very conducive and healthy environment for learning and student development. PCCoE also offers courses belonging to Professional Ethics, Gender Equality, Environment and Sustainability, and Human Values.

1. Professional Ethics: There are courses included in the curriculum, audit courses such as Life Skills -I and Life Skills – II, Universal Human Values, Professional Skills for Engineers,etc. that has a good blend of Professional Ethics, Human Values, Yoga, Sports, etc.

2. Gender Equality: The institutes provide equal opportunities for all through gender equality. It is very much balanced, whether be it in academics, research, student cell activities, or placement opportunities.

3. Environment and Sustainability: The campus follows environment-friendly approach. Sustainable development is promoted through rainwater harvesting, plant watering through natural reservoirs, solar energy utilization, and a green campus. NSS celebrates

environmental day and takes responsibility for plantations every year in nearby areas and promotes the involvement of students and local people.

4. Human Values: Human values are nicely blended into the curriculum.'Universal Human Values course is introduced in Autonomy under the humanities courses. The Student Development and Welfare Cell, Institutional Social Responsibility (ISR) cell, and National Service Scheme (NSS) are there to counsel, supervise, and conduct sessions for the overall grooming of students. Also, all activities under these cells eventually inculcate human values in the students.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

14

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

7555

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3164

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

4151

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

1085

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Response: Every student may have different learning capabilities. These learning capabilities of the students are identified at different stages by class teachers, course faculties, and Parent-teacher-guardian (PTG).

These learning levels are identified based on attendance, interactions, progressive assessment, internal evaluation, student responses in extra-curricular and co-curricular activities, etc.

Based on the analysis of the assessment tools, the students are identified into Advanced learners and Slow learners. There are various opportunities for both types of learners, and can be identified into curricular and extracurricular activities.

Few specific activities conducted by teachers for Advanced learners are: Students are encouraged to participate in Online Certifications, Hackathons, Code chef, Idea presentations, IPRs, AVISHKAR, KPIT Sparkle, SAE BAJA-SUPRA, ROBOCON, prestigious participation in ACM ICPC, Google Facilitator, Editorial Members in Google opportunities, ACM Winter school and Summer Internship programs are leveraged by these advanced learners.

Advanced learners are encouraged to enroll in MOOC Courses – NPTEL, Coursera, Swayam, EdX etc. Students are encouraged to participate and present research papers in Conferences and

Journals of repute. Internship, Consultancy, sponsored projects, and Entrepreneurship opportunities are provided to these students.

Equal attention is provided to slow learners. Activities conducted by teachers for Slow learners are: Remedial Coaching, Extra notes and Tutorials, a Question bank with easy, moderate and high level questions, Counseling at various stages-PTG, Class Teacher, Academic Coordinator, HoD and Dean Academics.

The outcome of these extensive efforts are Qualitative results, University Rank Holders, laurels in different national and international events and Excellent placements.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.pccoepune.com/deandesk.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/09/2021	**4151**	**227**

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Response: To strengthen the teaching-learning process in the Institute, following practices are stringently followed in the Departments. Few of the Highlights that are predominantly practiced:

The curriculum has the insight of practical demonstrations with Mini Projects, Seminars, and Projects, also with different platforms for simulation-based learning and Coding events needed to strengthen the experimental learning are made available such as Code Chef, E-Yantra, Hackathons, ACM ICPC events.

Audio- Visual methodology, Online Virtual Labs setups, Practical demonstrations, and Mini Projects, Language Lab, Seminars and Projects, Field Work, etc., are some of the means used by departments to boost student participation. The P-D-C-A (Plan-Do- Check and Act) cycle is stringently followed to fulfill the entire academic requirements.

Project-based learning is included in the curriculum to strengthen the understanding of concepts and make the students capable for applying the knowledge in the field of Engineering.

Through Technical Add-on Courses, an indigenous platform is given to the students to sharpen their knowledge in the specialized fields so that they can use the conceptual knowledge practically to solve industrial needs. Ex. National level events, ACM Winter School and Summer Internships, etc.

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

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Response : ICT-enabled education enhances the quality of education. In PCCoE, the classrooms and labs are ICT enabled with projectors installed, and the campus is enabled with a high-speed Wifi connection. The faculty members use a number of ICT-enabled tools to enhance the quality of teaching-learning, like Google classroom, Virtual labs, Google Drives, and Google forms are used for the submission of assignments. Bamboo folio, Smart desktop, and Multimedia setup are established for the effective conduction of laboratories. Lab manuals are prepared for the smooth conduction of laboratory assignments. Online drawing tools are used to perform student-centric activities. The teaching-learning through PPTs is enabled with animations and simulations to improve the effectiveness.

Darpan software, an appropriate platform, is used to upload video lectures and lecture notes for students, as extra learning resources. Bodhitree, an asynchronous platform in collaboration with IIT-B, is used by the faculties for sharing teaching content and quizzes. The online learning environments are designed to

train students for quizzes, polls, and coding events. EasyCheck and EasyPariksha, Moodle software, etc are used to conduct Online exams. Digital library with e-resources are available, and remote access facility to ebooks, periodicals, and journals is provided.

NPTEL and SWAYAM videos are accessed and recommended as part of the curriculum. Seminar hall, Learning Resource and Development Centre (LRDC), and auditoriums are well equipped with multimedia facilities using ICT tools. International Conferences, Invited talks and webinars are conducted here using ICT facilities.

The ICT-enabled teaching-learning is very well-established for student-centric learning in the institute.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	**Nil**
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

227

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Response: The Institute plans and deploys the teaching-learning and evaluation schedules systematically with well-drafted processes. The planning and execution of stringent academic monitoring are carried out as discussed:

Academic Calendar Preparation: This included the dates of commencement and completion of the syllabus, schedules of internal exams, etc. It specifies the dates of the Internal Evaluation, Mid

Term Evaluation, and End Term examination. Tentative dates of practical exams and theory examinations are also given in the academic calendar. Once permission and sanctioning are obtained from the Academic Council and Board of Governance, timetables are prepared and implemented accordingly.

Teaching Plan Preparation: The course teachers prepare course plans according to the academic calendar. All efforts are made to adhere to the academic calendar for the planning of Course conduction and Continuous Internal Evaluation Instances. This is well supported by the automated software-based system PCCOE ERP.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

227

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

71

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time

teachers' total teaching experience in the current institution)

1936

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

30.45

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

15

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Response: PCCoE has put continuous efforts into establishing and carrying out the reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms have also been implemented in the continuous Internal assessment modes and components. The

examination procedure has been completely automated using IT software (ERP).

‘Board of Examinations’ (BOE), the apex Examination Body responsible for Examination conduction, framing, and implementing Rules and Regulations, is approved by Academic Council. A ‘Complaint Redressal Committee (CRC), appointed by the Director to deal with cases of Unfair means/Malpractice/s in Examination, is set.

Key Highlights:

· Adopting semester patterns of examination with a continuous evaluation system for all the departments.

· Digital evaluation system has been successfully implemented for UG and PG.

· Inclusion of orals, practicals, term-work, seminar projects, assignments, seminar presentations, etc., as

components of the evaluation.

The examination management system in the PCCoE ensures the following:

· ERP has been successfully implemented, and Online entry of students at Entry level, attendance, and Internal assessment are effective and time efficient.

· Online filling of examination /revaluation forms helps the students and university in saving time and in generating admission tickets.

· Panel of examiners for every subject is compiled prior to the examination, on collecting the information from the institutions /departments, considering eligibility norms.

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

2.6 - Student Performance and Learning Outcomes

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

Response: PCCoE practices Outcome Based Education through the team of committed faculty members and staff with the appropriate and adequate knowledge of roles and responsibilities. The program-level outcomes and targets are set at the onset of the semester, and at the end of the semester, it is reviewed for attainment. The Program Assessment Committee (PAC) is duly supported by Departmental Advisory Boards (DAB) with representatives of stakeholders.

At the start of every semester, HoD addresses the students and reiterates the significance of OBE. The course teacher in the first-course session discusses the Course level outcomes that are expected from students. There are subject group meetings and Module meetings held in every semester, and the course team presents course outcomes, methods, and tools to assess attainment. The suggestions and modifications discussed in the module meeting and the percolation of course outcomes to students are very well practiced in the Institute.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Link for additional Information	http://www.pccoepune.com/syllabi.php

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Response : PCCoE practices Outcome Based Education mechanism scrupulously. All departments have defined program outcomes, program-specific outcomes for their respective program, as well as course outcomes for all courses and set respective targets.

The objectives and outcomes are appropriately mapped for the evaluation of students so that PSOs are attained through competency mapping in terms of knowledge and skills.

The Departments adopt both direct and indirect methods of assessment to ensure the attainment of POs and COs. Course

faculties ensure Question papers are set as per Bloom's Taxonomy, quality is ensured at the module coordinator level, and also Academic Audits are conducted to monitor the processes qualitatively and strengthen the overall system.

Direct Assessment methods include :

Internal Evaluation

Laboratory performance

Student projects

Assignments

Tutorials

Insem Examination and End-Term Evaluation Result These scores are taken into consideration for the evaluation of COs.

Indirect Assessment Methods include :

Feedbacks

Alumni/stakeholder survey

Co-curricular activities

Extracurricular activities

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

961

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

http://www.pccoepune.com/naac-iqac.php

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution’s research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Response: PCCoE has a well-laid foundation of research in frontier areas of Science and Technology. The institute has a strong component of research in addition to education and training. A significant number of students and faculty members are pursuing Ph.D. and are actively involved in research activities, viz., publications, research proposal submission, etc.

Well-equipped laboratories and complex experimental facilities are set up in-house for specific research programs like Dassault Laboratory, Robotics VR and Computer Vision Laboratory, E-yantra Laboratory, Xilinx Centre of Excellence etc. are actively set up in the Institute. To highlight, every year, the team Robocon, Team RED Baron, and Team Kratos bring accolades and recognition to the Institute at the National and International Levels.

R&I activity has the following significant components:

1. **Incentives for Quality Publications**
2. **Consultancy and Testing Generation of IPR**
3. **Incubation and Entrepreneurship Development**
4. **The research promotion policy is set up in PCCoE, to promote and strengthen the research culture in the Institute.**

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	http://www.pccoepune.com/research-home.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

10.22

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

83.98

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

12

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Response: PCCOE has established structured systems for innovations, research, and entrepreneurship. The Innovation Centre, Learning Resources and Development Centre, Incubation and Linkages Forum, etc. actively encourage and inculcate research in students.

1. Innovation Centre: Innovation centre is established and made available 24X 7 to explore ideas and encourage creativity. The outcome of a well-established facility with all state-of-the-art equipment, and infrastructure is available for students. The students have successfully brought laurels in various competitions such as Hackathon, SAE BAJA SUPRA, Formula Bharat Electric, Technology Innovation Forum for Agriculture Nurturing (TIFAN), Robocon etc.

2. Learning Resource & Development Centre (LRDC):

Institute has established a state-of-the-art self-learning facility, Learning Resources Development Centre (LRDC). The institute plans to develop the resources through this centre and provide the access to the students through the file servers.

The student can access the said resources in case of a missed classroom lecture and through this facility, the institute may establish a Remote learning centre.LRDC centre has audio-visual facility to facilitate blended learning, collaborative learning, etc.

3. Centre for Innovation, Incubation and Linkages Forum: PCCOE CIIL is an incubation Centre registered under Section 8 of the Companies Act, 2013 with the vision to create globally accepted Innovators and Entrepreneurs for Self Reliant India. PCCOE CIIL

provides unique and incentivized solutions with students, faculty members and collaborators.

The PCCOE CIIL start-ups have come up with products like- Sanitary napkin vending machine- Electrolaxme, Automated hand sanitiser machine, Hand sanitiser(liquid), Mobile stand for ICT etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://mechanical.pccoepune.com/facilities/public_html/laboratories.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

15

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

B. Any 3 of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

48

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	No File Uploaded
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

116

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

88

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

567

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

19

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

12.21500

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Response: The institute organizes a number of extension activities for the welfare of the neighborhood community. The Fit India Movement, Wari, Cancer Awareness, National Unity Day, Swaccha and Swastha Bharat Abhiyan, Road Safety Awareness, Yuva Saptah, Covid Task Force, Group Discussion on Voting Awareness & Youth, 'Shasan Aaplya Daari'- Campaign for needy villagers, Participation in Swacchagraha Campaign by PCMC, Workshop on Gender Sensitivity, Azadi ka Amrit Mahotsav, etc. are few of the activities conducted to sensitize students to social issues for their holistic development.

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

29

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

24

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1004

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

16

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

148

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Response: Infrastructural support system for better teaching & learning process is available in the college campus that includes state of the art Classrooms (44 Nos), Laboratories (102Nos) for U.G and P.G, Smart classrooms, Computer centre, Language laboratory, Central and Departmental library, Reading rooms and Girls common rooms. Seminar hall, LRDC and auditorium with latest multimedia, audio system with mounted LCD system for facilitating presentation with the seating capacity of approximately 1000 students simultaneously is at place.

Wi-Fi facility is available in campus and also for hostel students. During exam period, the reading room has extended hours facility to cater the students requirements of peer group study. Availability of Teaching aids, DARPAN portal, Moodle exam facility, practical setups, ICT facilities for MOOCs, NPTEL is

available. Further, infrastructural enhancements are also done through various other financial resources in the form of Research Projects and sponsorships like Dassault Systems,Innovation Laboratory, Data Analytics Laboratory, VIBE Laboratory and VLab as the nodal centre initiative in collaboration with MHRD and IIT Bombay.

Computing facilities with total number of 1976 computers and a bandwidth of 600 Mbps is at place. Optimal utilization of infrastructure is ensured through through encouraging innovative teaching – learning practices,Add on courses/ STTPs/FDPs/Workshops for students and faculties. It is further extended as a facility for Placement on Campus and Off Campus drives, Seminars, Conferences etc., also for Government examinations/University Examinations like PET, CAT, GATE, MPSC, etc.

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

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

Response: PCCoE believes in a holistic education and students are given the opportunity to demonstrate and develop their leadership and decision-making skills. The students actively participate in various extracurricular activities including Dance, Orchestra, Fine Arts, and Drama, etc.and in competitions held by various Institutions.

The following objectives are laid down by the cell:

1. **To plan, coordinate ,monitor, and control the cultural activities of the students with utmost discipline.**

2. **To provide proper guidance to students through experts to enhance their skills/arts for overall development.**

3. **To arrange for providing essential facilities to the students for preparation and practice.**

   Sports Initiatives: The institution has a gymnasium for faculty members and students with a dedicated area of 987

sq. ft and state-of-the-art equipments worth Rs.5,08,952/-. There is a dedicated Open Gymnasium facility for all the girl students and ladies faculty members worth Rs.1,97,000/-. Institute also has two open-ground facilities with 6250 sqm and 4950 sqm.

Students are encouraged to participate in all outdoor activities, inter-college events, inter-departmental events, etc. All diligent efforts put forth by the institute are rewarded with all good student accolades every year.

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

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

147

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

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

620

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Response: The college library has a vast collection of texts and general books, International and National journals, e-resources and online databases to cater to the needs of both UG and PG students. Separate sections for General, Reference books, Journals and Periodicals, Magazines are provided along with free Net browsing facility to access the online databases and academic information.

Library has an advisory committee for smooth and effective utilization of learning resources. It consists of librarian and one faculty member from each department. Book bank facility is provided to toppers and needy students. For SC students, extra books are provided. There is extended library timing during examination time for all the students. Web – OPAC is available for faculty members and students to search book/title/author in the library.

For e-learning, separate platform is established for faculty members and students. Adequate space and internet connectivity is made available with e-resources and NPTEL video lectures in Digital library. The institute has dedicated Integrated Library Management System with ERP since 2015. There are e-journal subscriptions and journals with IEEE, ASME and ASCE. There is the ProQuest Engineering Computer and Management Collection with the e-book titles. There is dedicated academic process manual which defines library management process under ISO 9001:2015 followed diligently at the institutional level.

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources B. Any 3 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

33.01

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

351

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Response: The institute has a 24X7 WiFi facility in the college campus for the student and faculty members to avail internet connection in the campus and hostel.

The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, and up/down loading of web-based applications, besides helping them in preparing projects and seminars. The usage of Cyberoam firewall to prevent illegal access of the internet is scrupulously followed.

The institute has state-of-the-art computing facilities for the students on campus. In this regard, the institution has established Wi-Fi devices at 17 different locations. These locations cover the campus in its entirety and sufficient bandwidth of 600Mbps is dedicated for the same. Video conferencing facility is available in all departments for Online Teaching learning with all the required state-of-the-art setup.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4151	1976

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

709.70

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Response: The institute provides state-of-the-art infrastructure to address the need of an effective teaching and learning process. The policy is to provide educational infrastructure for students in terms of laboratories, software and equipment, library resources, and well-furnished classrooms etc. The infrastructure facilities are enhanced by addressing the needs of students and faculty members to support research, product development, etc. The institution ensures optimal allocation and utilization of the

available financial recourses for maintenance and upkeeping of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received by the college as per the requirements in the interest of students.

Zero Deficiency Report from AICTE is obtained every year, which ensures that the availability of the infrastructure is in line with academic growth. All the classrooms are equipped with CPU, LCD Projectors and screens, and internet accessibility. All required well-equipped laboratories with multimedia teaching aids. Additionally, there are central facilities like Innovation Center, Digital Library, Computer Center, Examination Control Office, Canteen, mess, and Student Recreational facilities like Art Circle. The campus also provides adequate parking facilities (approximately 2000 two-wheelers for students only) for a two-wheeler, and four-wheeler vehicles Maintenance committee takes care of academic infrastructure and facilities. A well-defined organizational structure and Processes are established and followed as per the norms of ISO 9001:2015 (drafted in the Maintenance and Fire and Safety Process Manual) to carry out the day-to-day maintenance of these facilities.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2133

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

46

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	http://www.pccoepune.com/
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3334

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of

A. All of the above

statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

689

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

39

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

62

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Response: Students are given opportunities to develop and nurture their leadership qualities through Student Associations, Student Council, Student Cells at Department/Institute level. PCCoE has a dedicated Student Development and Welfare Cell. In First Year level of Engineering, Reader’s Club and Mathematics Club is formed to nurture team building skills. Each department has an active student association MESA, ETSA, CESA, ITSA, CiESA etc. The students hold good positions of President, Secretary and Treasurer in these student associations. There isIEEE,ACM,CSI Student chapter etc. active in the Institute.Students are also encouraged to join or form Special Interest Groups. There is active exemplification by the BAJA-SUPRA student team with selected representatives, which has a pivotal role in bagging major awards consecutively in competitions held.

The institute has set up NSS to sensitize students towards societal issues and community services, activities of which is mainly carried out by the students.

Communication and Soft Skill programs, Aptitude Training, Technical Skill enhancement programs, Foreign Language Certification Courses, Personal and Spiritual Development Programs, Entrepreneurship Development Activities, and Preparation courses for competitive Examinations (Gate/GRE/CAT/MPSC/UPSC etc.) are made available on campus through various professional agencies.

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

10

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Response: The institution strongly believes in creating and maintaining associations with its alumni. PCCOE has registered an Alumni Association. Registration Number: Maharashtra/150/2005/Pune. There is the Alma Connect portal where thousands of alumni have already registered. There are alumni meets organized to reconnect with the Alma mater which serves as the best platform for networking and sharing new trends and current happenings in the corporate world.

Every department maintains strong association with their alumni. The alumnus actively interacts with the institute and the current students through several programs.

Alumni always come forward to bring up the learning environment of

the campus and have also provided job opportunities and internships to the eligible and aspiring students. It is a regular practice of the Institute to invite eminent alumni to discuss along with students and to deliver lectures. They participate in activities that would contribute to the general development of the institute. The alumni have conducted numerous academic sessions on Preparation for Interviews, Mock Interviews, and Group Discussions. The undergraduate and postgraduate students get benefitted through their knowledge sharing and expertise. These inputs are helpful to academicians in moulding aspiring students. They help in the conduction of conferences, workshops, seminars, symposia, etc.

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

5.4.2 - Alumni’s financial contribution during the year **E. <2 Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Response:

Vision

To be one of the top 100 Engineering Institutes of India in coming five years by offering exemplarily Ethical, Sustainable and Value Added Quality Education through a matching ecosystem for building successful careers.

Mission

1. Serving the needs of the society at large through establishment of astate-of-art Engineering Institute

2. Imparting right Attitude, Skills, Knowledge for self-sustenance throughQuality Education

3. Creating globally competent and Sensible engineers, researchers andentrepreneurs with an ability to think and act independently in demandingsituations

The institute functions proactively to provide the best professional environment to students in terms of academics, project-based learning, industry-oriented trainings, co-curricular and extracurricular activities, various competitions, cultural activities, sports, international exposure, etc. to create true aesthetically sensitive, socially committed and technologically competent engineers and management professionals.

The Governing body of the Institute chaired by the Chairperson fosters the spirit of participative management.Institution is working on four pillar philosophy that is Academic Excellence,Innovation & Research, Professional competence of students and Social commitments.Through participative management, the faculty members are involved in various decision-making bodies of the institute.

http://www.pccoepune.com/organization-chart.php

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.pccoepune.com/best-engineering-college-in-akurdi.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Response: PCCoE envisages decentralization as a basic requirement for creating a conducive environment for participation and accountability at each level of administration. With these focused objectives, the efforts have led to the systematic mechanism of delegation of authority and provided operational autonomy to all the heads / in-charges of respective departments. The academic and

administrative responsibilities of the College are carried out by the Director, Deans, Head of the Departments, and Registrar. Well defined hierarchical administrative and implementation model is established with their authorities and responsibilities.

Academic Monitoring and Control Discipline is diligently practiced to ensure academic monitoring and control. Before the commencement of the term, the academic calendar is prepared. Faculty members plan lectures and allied academic activities for the entire semester and all the academic coordinators ensure that the activities are conducted as per schedule in the internal academic monitoring. Academic Review Meeting (ARM) is conducted twice a semester. The academic audits (internal and external) ensure the overall quality of the teaching and learning process and the outcome is measured through academic results, placements, industry-institute interactions, and quality projects.

File Description	Documents
Upload strategic plan and deployment documents on the website	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Paste link for additional Information	http://www.pccoepune.com/organization-chart.php

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Response: Due to effective planning and the Vision of the institute, the major outcomes observed in the last few years are, in the year 2020, PCCoE received Academic Autonomy, and in the year 2021, PCCoE is recertified with ISO 9001: 2015 certification and to encourage the students and faculty, to create awareness of college activities and achievements a newsletter " Samvaad" was initiated. The Computer and Science Engineering UG program in regional language was started in PCCoE. The year 2022 was a great success with 5 UG programs NBA re-accredited, Industry connects event " Kshitij -2022, with good project demonstrations, was successfully conducted with around 150+ industry involvement,to increase social visibility and promote digital marketing " Darpan

1.0" was initiatedand to increase international relation a big international event was conducted " Know Japan". Considering NEP implementation, PCCoE has already decided on its future strategic plan, and its available on the website.

One activity successfully implemented based on the strategic plan: "Darpan 1.0":

PCCoE’s unique initiative, "DARPAN 1.0" is an effort to encourage faculty to develop an individual website for personal branding.Forty-five faculty members of PCCoE registered for the fellowship, that was further evaluated, and were encouraged with the support of Rs. 6000 each for development of the website of faculty members.

http://www.pccoepune.com/

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	http://www.pccoepune.com/policies-for-academic-and-admin-staff.php
Upload any additional information	**No File Uploaded**

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

Response: Board of Governors (BoG) has been constituted for a Term of Three Years commencing from November 2020. The Director convenes a Meeting of the Board of Governors at least twice a year. The Academic Council with representative members is constituted as per UGC Guidelines for Autonomous Colleges. The meeting of the Academic Council is convened twice in a year. The Board of Examinations has been constituted to exercise fair and just use of Regulations and uphold Academic Standards in respect of the assessment of Students on taught Courses. The College Development Committee meetings are held a year thrice for regular review and follow–up of the various developmental activities in the Institute.

The Director administers various Academic Activities and other

related Developmental and Research Activities, Students and Staff Welfare Activities through Deans, Departmental Heads, registrars etc. Regular Meetings are held with Deans, HODs, and the Section In charges to effectively plan, implement and monitor and control various Academic and Administrative functions of the Institute.

Additional Committees / Cells: The institute has formed various additional Committees / Cells and the functions of these Committees/ Cells are properly defined, considering the overall development of the Institute.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.pccoepune.com/organization-chart.php
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Response: The Institute believes that the well-being of faculty members and non-teaching staff is important for the effective functioning of the Institute. In line with this, many welfare

measures have been implemented and have been listed below:

Welfare schemes for Faculty Members:

- **GIS (Group Insurance Scheme)**
- **Sanction of CL/EL/ML and Maternity leaves for ladies' staff as per government rules**
- **Faculty is deputed for PG and Ph.D. program with salary (as per policy), National and International fellowships.**
- **Incentives for Research work and publications**
- **Seed funding**
- **DARPAN fellowships**
- **Gratuity**
- **PCETs employee cooperative society Ltd. (for personal loans at lower interest rates)**
- **EPF to all staff members**
- **Leaves as per the norms to all staff**
- **Support for Higher Education/ Skill enhancements**
- **Financial support for organizing and attending STTPs/FDPs/Seminars/Workshops/Conferences etc.**

Non-teaching staff:

- **GIS (Group Insurance Scheme)**
- **Gratuity**
- **PCETs employee cooperative society Ltd. (for personal loans at lowerinterest rate)**
- **EPF to all staff members**
- **Leaves as per the norms to all staff**

- Maternity leaves for ladies' staff
- Allowed to attend training programs/workshops with leave and registration fees.
- Support for Higher Education/ Skill enhancements

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/policies-for-academic-and-admin-staff.php

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

29

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

14

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

95

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Response: The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted quarterly by the internal financial committee of the institution. An external audit is conducted once every year by an external agency.

Internal Audit:

- **Internal audits are conducted quarterly by the Accounts section of the Institute and the Chartered Accountant.**
- **The audit of accounts and submission of Quarterly returns of 24Q & 26Q tax returns are carried out quarterly.**

External Audit:

- **The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day-to-day basis and an annual audit is done by the statutory auditor.**
- **The audit of accounts and submission of income tax returns are carried out regularly each year.**
- **The institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase orders and approvals at every stage of implementation, and due verification of goods and services that are obtained after delivery or completion of works. No**

expenses are incurred without proper approval or sanction by the Head of the institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/account.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

5.1

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response: The institute takes utmost care in preparing its financial budget, its allocation, and utilization by the respective departments and sections. There are various budget heads taken into consideration and as per the requirement, the allocations are done after discussion with College Development Committee and BOG. Following is the process which is followed to prepare and allocate the budgets for the institute.

Budget preparation and its allocation:

- The Academic Departments and other Sections such as Library, Training, and Placement, and Administrative Office are asked to prepare and submit the Budgeted Expenditure for major Heads such as Laboratory Equipment, Consumables, Software, Maintenance, Library, Students and Staff Development, Research, etc.

- Considering the requirements for the next Academic Year,

Natural Growth in Students Intake, expected receipts through fees, and the previous year's actual expenses, the budget for the next financial year April to March is prepared. This budget is put in for discussion, review, suggestions, and recommendations. After a recommendation, it is put up for consideration and approval in the BOG Meeting.

- **Once the approval is obtained, the appropriate allocation of budgeted funds against various expenditure heads is made to the Academic Departments and Sections; based on the tentative Budgets submitted by them.**
- **The allotted budget is informed to Heads of Departments and Section Incharges for further necessary processes.**
- **Periodic Reviews of actual expenditures incurred against the allotted budgets are taken and approvals are further obtained.**

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Response: During the post-accreditation period, the IQAC has channelized all efforts and measures of the Institution towards promoting its academic excellence and building an ecosystem to support research outcomes.

IQAC reviews the teaching-learning and other processes and takes initiatives to improve the curriculum and its enrichment. Some of the activities are mentioned below:

- **Academic Review Meeting (ARM) is conducted twice a semester.**

- **Academic audit of all the departments: The academic audit is conducted every semester by the internal audit committee. An external audit is done every year by a third party (TUV Nord).**

- **Management Review Meeting : The performance of the departments is measured in 0 to 100 %. All departments assess their respective performances on a scale 0 to 100 %. These assessments are presented in MRM Meetings for review.**

- **Autonomy: The Autonomy visit was successfully conducted in the month of September 2019. The autonomy is granted as a result of quality efforts taken by the PCCOE team.**

- **NBA Accreditation: The UG Engineering programs have been granted Accreditation by NBA for Computer, E&TC, Mechanical, Civil, and IT for three years from July 2022 to June 2025.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.pccoepune.com/naac-iqac.php

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Response:The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

The IQAC comprises of Director, Deans, and HODs. As per the academic calendar planned for each semester, two IQAC-Academic Review Meetings (ARM) are planned for UG and PG separately. Out of two meetings one meeting is conducted for planning the execution of the semester and the objective of the second IQAC-ARM is to understand the effectiveness of course conduction, the methodology used and the outcome achieved for each of the subjects.

Teaching learning processes are evaluated for student attendance, syllabus coverage, internal exam performance of the students, project activity conducted, and facility provided by the department. The strengthened feedback system is conducted

stringently to understand students' views related to teaching and other facilities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/naac-iqac.php

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.pccoepune.com/quality-assurance-home.php
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Response : PCCoE shows gender sensitivity through various initiatives and actions for creating safe and secure conducive environment in campus. Sensitization of the students is done through special lectures and functions. PCCoE has set up Internal Complaint Committee(ICC) to maintain a healthy and safe environment for girls and women employees in campus. Objective To create a healthy environment in the campus where every woman feels

safe and self-confident without any problems relating to gender discrimination and sexual harassment.

Functions of ICC: To address the informal and formal complaints of any female employee or student as specified in the objectives of the cell. To ensure the fair and timely resolution of the complaints. To provide counseling and support services on our campus. To promote awareness about sexual harassment through educational initiatives that encourage and foster a respectful learning work environment. There are two separate hostels for boys and girl students that exist on the campus. The rector and warden diligently take care of the students, with defined rules and policies. The campus has strong security personnel deployment. The medical facilities are at place and the institute has a tie-up with a nearby hospital for medical emergencies.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Response: The institute has a lush green campus and has received awards for upkeepment. The procedure and practices are put forth by the institute and the processes are diligently followed. The institute conducts the Green Audit to review the overall environmental management systems. Green audit for an educational institution mainly examines the following systems

- **Water Management**

- Waste Management
- Biodiversity
- Health and safety management
- Sanitation management

Necessary awareness has been created on the campus for solid and liquid waste management. Sources of waste generation on the campus are:

Waste water : There is a PCMC water purification plant is located at the upper elevation from PCCoE.

Solid Waste: Garden waste is disposed off in bins and is collected away by PCMC vehicle, once in 15 days generally and in between if required.

Biomedical waste disposal is hygienically taken care of by the waste management team and is discarded with help of PCMC. Cleanliness is satisfactorily maintained on the campus. Indoor cleaning has been outsourced to a housekeeping agency. The sanitization has been adequately taken care of and checks have been made regularly. E-waste Management is managed as per the norms of PCMC.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

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

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

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

7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following: D. Any 1 of the above

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

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Response : PCCoE believes in the holistic development of students. The zeal and enthusiasm with which the students, faculty members, and staff of the institute unite bring unity in diversity. Caste, creed, or religion is immaterial on the campus. The NSS activities provide an inclusive environment by bringing students and faculty members, and staff members with diverse backgrounds to render

services to humanity and cater to the social awareness need of society.

Charity events are conducted through the Art Circle team under the Students and Development Welfare Cell which brings together sensitivity and harmony towards cultural and linguistic diversities and sensitizes the audience at large on societal issues. There are audit courses included in the curriculum that speaks volumes about professional ethics and the Constitution of India. Two important national festivals, Republic Day and IndependenceDay are celebrated every year on campus and all students and staff participate in the cause of the Nation. Inspiring speeches and acts are conducted on such occasions.

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

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

Response : PCCoE believes in the holistic development of students and imparts Value Added Quality Education.

- **As part of strengthening democratic values and social responsibility, NSS Team carried out various programs such as Donation drives, Cleanliness Drives, Swachh Bharat, Tree Plantation drives, etc. Audit Course on 'The Constitution of India' is included as part of the curriculum for FYMTech and SYBTech, to sensitize students regarding the values, rights, duties, and responsibilities of citizens.**

- **Two important national festivals, Republic Day and Independent Day are celebrated every yearin campus.**

- **PCCoE has participated in 'Azadi ka Amrit Mahotsav',a nationwide celebration to commemorate 75 years of independence. Each day one profile of selected 'Jewels of India' was exhibited on the college website.**

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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

B. Any 3 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

Response: PCCoE is committed to promoting ethics and values amongst students and faculty members. In order to continue encouraging this, the institute organizes national festivals with great zeal and enthusiasm.

- **Two important national festivals, Republic Day and Independent Day are celebrated every year on campus and all students, faculty members, and staff participate in the same. Speeches, student skits, and patriotic song performances are key highlights of the celebrations.**

- **‘Azadi ka Amrit Mahotsav’ is a nationwide celebration to commemorate 75 years of independence. PCCOE has shown its solidarity with the national celebration by displaying profiles of noteworthy personalities on the PCCOE website, whose contribution has shaped our nation. Each day one profile of selected ‘Jewels of India’ was exhibited on the college website.**

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Response:

1) Incentives for Research publications/Book chapters/Editorial roles: The primary objective of the proposed incentive scheme is to motivate the faculty members of the Institution to undertake quality research, consultancy, and other related activities. To boost the research growth in the Institute, amendments in the Research policy have been made. Quality publications inScopus/ Web of Science with Quartiles, Conferences (National/International), Book publications,Book Chapters, and Editorial Roles are a few of the criteria considered for the amendment inthe Research policy.

2) Kshitij Showcase Conference:

To focus on the Make in India initiative and import substitution, a First Showcase Conference was organized by the Institute. A platform for the PCCoE Talent was arranged to be showcased through 40+ patentable projects. To foster innovation and deliver the best answers to real-life problems while guaranteeing intellectual property rights through patents and copyrights, has been the aim

of this Showcase conference. Channelized efforts are in process in this direction to assimilate the project ideas into products and IPRs, along with nurturing industrial collaborations and networking.

File Description	Documents
Best practices in the Institutional website	http://www.pccoepune.com/naac-iqac.php
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Response:

1. Innovation in Education: PCCoE always strives to impart value added quality education that satisfies the need and expectation of society and industry at large. Being an autonomous institute, different innovative steps in curriculum framework is putforth. Some glimpses: Innovation through V lab, online teaching through Bodhitree, flipped classes etc.

2. Research activities: To nurture the R&D culture by promotion of quality research work, facilitating innovative thinking and creation of intellectual property, enhancing the capability of sponsored research and consultancy, and providing necessary infrastructure and financial support for the same.

3. Innovation Centre, Incubation Centre, Entrepreneurship:

PCCOE CIIL is an incubation Centre registered under Section 8 of the Companies Act, 2013 with the vision to create globally accepted Innovators and Entrepreneurs for Self Reliant India. PCCOE CIIL provides unique and incentivized solutions to students, faculty members, and collaborators. The PCCOE CIIL start-ups have come up with products like- Sanitary napkin vending machine- Electrolaxme, an Automated hand sanitizer machine, Hand sanitizer (liquid), a Mobile stand for ICT etc.

4. Industry Institute Collaboration: Long-term association with many reputed Industries is set for the following purposes: (a) Student Projects (b) Internships and Placements (c) Faculty

training and Collaborations.

5. Opportunities in abroad Universities through foreign universities collaboration: PCCOE’s International academic collaborations foster support and encourage scientific, cultural, and educational cooperation and exchange between universities to strengthen research quality and learning. 6. Student-centric model of education and overall development. No stone is left unturned in order to develop the competency of students.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Response : PCCoE is an Autonomous Institute from 2020-21. It currently has an autonomous curriculum from First Year to Third Year (B. Tech.) and M. Tech. The final year follows the SPPU structure. Both curricula have relevance to local, national, and global developmental needs.

PCCoE adopts the Choice Based Credit System (CBCS) for all its programs.

1. **Every program has a Board of Studies (BoS), comprising of Senior faculty members, External domain experts, Industry Experts, and Alumni.**
2. **Internal subject expert and all subject teachers draft the syllabus as per the AICTE guidelines, and frame the course objectives and outcomes.**
3. **The BoS after deliberations, approve the syllabus of any course and also looks into the relevance and requirements of any course in the program, the necessary amendments, and revisions, to cater the industry needs and market trends.**
4. **On the implementation level, the Plan-Delivery-Assessment-Attainment cycle is followed for COs, POs, PSOs attainments. Such status achieved are presented, and suggestions are considered for further improvements.**
5. **The learning outcomes for each course are unfolded through the planned course objectives and stringent efforts through CDMs.**

Above mentioned entire process incorporates the local, national, and global needs of the society. As a result of which PCCoE caters to the following stakeholders at local and global levels:

1. Geographical need of Pune

2. IT Sector

3. Automobile Industries

4. Construction of Residential zones and allied developmental projects

5. Automation Industries

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	http://www.pccoepune.com/syllabi.php

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

38

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

296

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Response: PCCoE an Autonomous Institute, offers a very conducive and healthy environment for learning and student development. PCCoE also offers courses belonging to Professional Ethics, Gender Equality, Environment and Sustainability, and Human Values.

1. Professional Ethics: There are courses included in the curriculum, audit courses such as Life Skills -I and Life Skills – II, Universal Human Values, Professional Skills for Engineers,etc. that has a good blend of Professional Ethics, Human Values, Yoga, Sports, etc.

2. Gender Equality: The institutes provide equal opportunities for all through gender equality. It is very much balanced, whether be it in academics, research, student cell activities, or placement opportunities.

3. Environment and Sustainability: The campus follows environment-friendly approach. Sustainable development is promoted through rainwater harvesting, plant watering through natural reservoirs, solar energy utilization, and a green campus. NSS celebrates environmental day and takes responsibility for plantations every year in nearby areas and promotes the involvement of students and local people.

4. Human Values: Human values are nicely blended into the curriculum.'Universal Human Values course is introduced in Autonomy under the humanities courses. The Student Development and Welfare Cell, Institutional Social Responsibility (ISR) cell, and National Service Scheme (NSS) are there to counsel, supervise, and conduct sessions for the overall grooming of students. Also, all activities under these cells eventually inculcate human values in the students.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

14

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

7555

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3164

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

4151

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	View File

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

1085

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Response: Every student may have different learning capabilities. These learning capabilities of the students are identified at different stages by class teachers, course faculties, and Parent-teacher-guardian (PTG).

These learning levels are identified based on attendance, interactions, progressive assessment, internal evaluation, student responses in extra-curricular and co-curricular activities, etc.

Based on the analysis of the assessment tools, the students are identified into Advanced learners and Slow learners. There are various opportunities for both types of learners, and can be identified into curricular and extracurricular activities.

Few specific activities conducted by teachers for Advanced learners are: Students are encouraged to participate in Online Certifications, Hackathons, Code chef, Idea presentations,

IPRs, AVISHKAR, KPIT Sparkle, SAE BAJA-SUPRA, ROBOCON, prestigious participation in ACM ICPC, Google Facilitator, Editorial Members in Google opportunities, ACM Winter school and Summer Internship programs are leveraged by these advanced learners.

Advanced learners are encouraged to enroll in MOOC Courses – NPTEL, Coursera, Swayam, EdX etc. Students are encouraged to participate and present research papers in Conferences and Journals of repute. Internship, Consultancy, sponsored projects, and Entrepreneurship opportunities are provided to these students.

Equal attention is provided to slow learners. Activities conducted by teachers for Slow learners are: Remedial Coaching, Extra notes and Tutorials, a Question bank with easy, moderate and high level questions, Counseling at various stages-PTG, Class Teacher, Academic Coordinator, HoD and Dean Academics.

The outcome of these extensive efforts are Qualitative results, University Rank Holders, laurels in different national and international events and Excellent placements.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.pccoepune.com/deandesk.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/09/2021	**4151**	**227**

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Response: To strengthen the teaching-learning process in the

Institute, following practices are stringently followed in the Departments. Few of the Highlights that are predominantly practiced:

The curriculum has the insight of practical demonstrations with Mini Projects, Seminars, and Projects, also with different platforms for simulation-based learning and Coding events needed to strengthen the experimental learning are made available such as Code Chef, E-Yantra, Hackathons, ACM ICPC events.

Audio- Visual methodology, Online Virtual Labs setups, Practical demonstrations, and Mini Projects, Language Lab, Seminars and Projects, Field Work, etc., are some of the means used by departments to boost student participation. The P-D-C-A (Plan- Do- Check and Act) cycle is stringently followed to fulfill the entire academic requirements.

Project-based learning is included in the curriculum to strengthen the understanding of concepts and make the students capable for applying the knowledge in the field of Engineering.

Through Technical Add-on Courses, an indigenous platform is given to the students to sharpen their knowledge in the specialized fields so that they can use the conceptual knowledge practically to solve industrial needs. Ex. National level events, ACM Winter School and Summer Internships, etc.

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

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Response : ICT-enabled education enhances the quality of education. In PCCoE, the classrooms and labs are ICT enabled with projectors installed, and the campus is enabled with a high-speed Wifi connection. The faculty members use a number of ICT-enabled tools to enhance the quality of teaching-learning, like Google classroom, Virtual labs, Google Drives, and Google forms are used for the submission of assignments. Bamboo folio, Smart desktop, and Multimedia setup are established for the

effective conduction of laboratories. Lab manuals are prepared for the smooth conduction of laboratory assignments. Online drawing tools are used to perform student-centric activities. The teaching-learning through PPTs is enabled with animations and simulations to improve the effectiveness.

Darpan software, an appropriate platform, is used to upload video lectures and lecture notes for students, as extra learning resources. Bodhitree, an asynchronous platform in collaboration with IIT-B, is used by the faculties for sharing teaching content and quizzes. The online learning environments are designed to train students for quizzes, polls, and coding events. EasyCheck and EasyPariksha, Moodle software, etc are used to conduct Online exams. Digital library with e-resources are available, and remote access facility to ebooks, periodicals, and journals is provided.

NPTEL and SWAYAM videos are accessed and recommended as part of the curriculum. Seminar hall, Learning Resource and Development Centre (LRDC), and auditoriums are well equipped with multimedia facilities using ICT tools. International Conferences, Invited talks and webinars are conducted here using ICT facilities.

The ICT-enabled teaching-learning is very well-established for student-centric learning in the institute.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

227

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Response: The Institute plans and deploys the teaching-learning and evaluation schedules systematically with well-drafted processes. The planning and execution of stringent academic monitoring are carried out as discussed:

Academic Calendar Preparation: This included the dates of commencement and completion of the syllabus, schedules of internal exams, etc. It specifies the dates of the Internal Evaluation, Mid Term Evaluation, and End Term examination. Tentative dates of practical exams and theory examinations are also given in the academic calendar. Once permission and sanctioning are obtained from the Academic Council and Board of Governance, timetables are prepared and implemented accordingly.

Teaching Plan Preparation: The course teachers prepare course plans according to the academic calendar. All efforts are made to adhere to the academic calendar for the planning of Course conduction and Continuous Internal Evaluation Instances. This is well supported by the automated software-based system PCCOE ERP.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

227

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

71

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1936

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

30.45

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

15

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Response: PCCoE has put continuous efforts into establishing and carrying out the reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms have also been implemented in the continuous Internal assessment modes and components. The examination procedure has been completely automated using IT software (ERP).

'Board of Examinations' (BOE), the apex Examination Body responsible for Examination conduction, framing, and implementing Rules and Regulations, is approved by Academic Council. A 'Complaint Redressal Committee (CRC), appointed by the Director to deal with cases of Unfair means/Malpractice/s in Examination, is set.

Key Highlights:

· Adopting semester patterns of examination with a continuous evaluation system for all the departments.

· Digital evaluation system has been successfully implemented

for UG and PG.

· Inclusion of orals, practicals, term-work, seminar projects, assignments, seminar presentations, etc., as

components of the evaluation.

The examination management system in the PCCoE ensures the following:

· ERP has been successfully implemented, and Online entry of students at Entry level, attendance, and Internal assessment are effective and time efficient.

· Online filling of examination /revaluation forms helps the students and university in saving time and in generating admission tickets.

· Panel of examiners for every subject is compiled prior to the examination, on collecting the information from the institutions /departments, considering eligibility norms.

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

2.6 - Student Performance and Learning Outcomes

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

Response: PCCoE practices Outcome Based Education through the team of committed faculty members and staff with the appropriate and adequate knowledge of roles and responsibilities. The program-level outcomes and targets are set at the onset of the semester, and at the end of the semester, it is reviewed for attainment. The Program Assessment Committee (PAC) is duly supported by Departmental Advisory Boards (DAB) with representatives of stakeholders.

At the start of every semester, HoD addresses the students and reiterates the significance of OBE. The course teacher in the

first-course session discusses the Course level outcomes that are expected from students. There are subject group meetings and Module meetings held in every semester, and the course team presents course outcomes, methods, and tools to assess attainment. The suggestions and modifications discussed in the module meeting and the percolation of course outcomes to students are very well practiced in the Institute.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Link for additional Information	http://www.pccoepune.com/syllabi.php

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Response : PCCoE practices Outcome Based Education mechanism scrupulously. All departments have defined program outcomes, program-specific outcomes for their respective program, as well as course outcomes for all courses and set respective targets.

The objectives and outcomes are appropriately mapped for the evaluation of students so that PSOs are attained through competency mapping in terms of knowledge and skills.

The Departments adopt both direct and indirect methods of assessment to ensure the attainment of POs and COs. Course faculties ensure Question papers are set as per Bloom’s Taxonomy, quality is ensured at the module coordinator level, and also Academic Audits are conducted to monitor the processes qualitatively and strengthen the overall system.

Direct Assessment methods include :

Internal Evaluation

Laboratory performance

Student projects

Assignments

Tutorials

Insem Examination and End-Term Evaluation Result These scores are taken into consideration for the evaluation of COs.

Indirect Assessment Methods include :

Feedbacks

Alumni/stakeholder survey

Co-curricular activities

Extracurricular activities

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

961

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

http://www.pccoepune.com/naac-iqac.php

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution’s research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Response: PCCoE has a well-laid foundation of research in frontier areas of Science and Technology. The institute has a strong component of research in addition to education and training. A significant number of students and faculty members are pursuing Ph.D. and are actively involved in research activities, viz., publications, research proposal submission, etc.

Well-equipped laboratories and complex experimental facilities are set up in-house for specific research programs like Dassault Laboratory, Robotics VR and Computer Vision Laboratory, E-yantra Laboratory, Xilinx Centre of Excellence etc. are actively set up in the Institute. To highlight, every year, the team Robocon, Team RED Baron, and Team Kratos bring accolades and recognition to the Institute at the National and International Levels.

R&I activity has the following significant components:

1. **Incentives for Quality Publications**
2. **Consultancy and Testing Generation of IPR**
3. **Incubation and Entrepreneurship Development**
4. **The research promotion policy is set up in PCCoE, to promote and strengthen the research culture in the Institute.**

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	http://www.pccoepune.com/research-home.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

10.22

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

83.98

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

12

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Response: PCCOE has established structured systems for innovations, research, and entrepreneurship. The Innovation Centre, Learning Resources and Development Centre, Incubation and Linkages Forum, etc. actively encourage and inculcate research in students.

1. Innovation Centre: Innovation centre is established and made available 24X 7 to explore ideas and encourage creativity. The outcome of a well-established facility with all state-of-the-art equipment, and infrastructure is available for students. The students have successfully brought laurels in various competitions such as Hackathon, SAE BAJA SUPRA, Formula Bharat Electric, Technology Innovation Forum for Agriculture Nurturing (TIFAN), Robocon etc.

2. Learning Resource & Development Centre (LRDC):

Institute has established a state-of-the-art self-learning facility, Learning Resources Development Centre (LRDC). The

institute plans to develop the resources through this centre and provide the access to the students through the file servers.

The student can access the said resources in case of a missed classroom lecture and through this facility, the institute may establish a Remote learning centre.LRDC centre has audio-visual facility to facilitate blended learning, collaborative learning, etc.

3. Centre for Innovation, Incubation and Linkages Forum: PCCOE CIIL is an incubation Centre registered under Section 8 of the Companies Act, 2013 with the vision to create globally accepted Innovators and Entrepreneurs for Self Reliant India. PCCOE CIIL provides unique and incentivized solutions with students, faculty members and collaborators.

The PCCOE CIIL start-ups have come up with products like- Sanitary napkin vending machine- Electrolaxme, Automated hand sanitiser machine, Hand sanitiser(liquid), Mobile stand for ICT etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://mechanical.pccoepune.com/facilities/public_html/laboratories.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

15

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for	B. Any 3 of the above

Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

48

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	No File Uploaded
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

116

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

88

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

567

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

19

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

12.21500

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Response: The institute organizes a number of extension activities for the welfare of the neighborhood community. The Fit India Movement, Wari, Cancer Awareness, National Unity Day, Swaccha and Swastha Bharat Abhiyan, Road Safety Awareness, Yuva Saptah, Covid Task Force, Group Discussion on Voting Awareness & Youth, 'Shasan Aaplya Daari'- Campaign for needy villagers, Participation in Swacchagraha Campaign by PCMC, Workshop on Gender Sensitivity, Azadi ka Amrit Mahotsav, etc. are few of the activities conducted to sensitize students to social issues for their holistic development.

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

29

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

24

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1004

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

16

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

148

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Response: Infrastructural support system for better teaching & learning process is available in the college campus that includes state of the art Classrooms (44 Nos), Laboratories (102Nos) for U.G and P.G, Smart classrooms, Computer centre, Language laboratory, Central and Departmental library, Reading rooms and Girls common rooms. Seminar hall, LRDC and auditorium with latest multimedia, audio system with mounted LCD system for facilitating presentation with the seating capacity of approximately 1000 students simultaneously is at place.

Wi-Fi facility is available in campus and also for hostel students. During exam period, the reading room has extended

hours facility to cater the students requirements of peer group study. Availability of Teaching aids, DARPAN portal, Moodle exam facility, practical setups, ICT facilities for MOOCs, NPTEL is available. Further, infrastructural enhancements are also done through various other financial resources in the form of Research Projects and sponsorships like Dassault Systems,Innovation Laboratory, Data Analytics Laboratory, VIBE Laboratory and VLab as the nodal centre initiative in collaboration with MHRD and IIT Bombay.

Computing facilities with total number of 1976 computers and a bandwidth of 600 Mbps is at place. Optimal utilization of infrastructure is ensured through through encouraging innovative teaching – learning practices,Add on courses/ STTPs/FDPs/Workshops for students and faculties. It is further extended as a facility for Placement on Campus and Off Campus drives, Seminars, Conferences etc., also for Government examinations/University Examinations like PET, CAT, GATE, MPSC, etc.

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

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

Response: PCCoE believes in a holistic education and students are given the opportunity to demonstrate and develop their leadership and decision-making skills. The students actively participate in various extracurricular activities including Dance, Orchestra, Fine Arts, and Drama, etc.and in competitions held by various Institutions.

The following objectives are laid down by the cell:

1. **To plan, coordinate ,monitor, and control the cultural activities of the students with utmost discipline.**

2. **To provide proper guidance to students through experts to enhance their skills/arts for overall development.**

3. **To arrange for providing essential facilities to the**

students for preparation and practice.

Sports Initiatives: The institution has a gymnasium for faculty members and students with a dedicated area of 987 sq. ft and state-of-the-art equipments worth Rs.5,08,952/-. There is a dedicated Open Gymnasium facility for all the girl students and ladies faculty members worth Rs.1,97,000/-. Institute also has two open-ground facilities with 6250 sqm and 4950 sqm.

Students are encouraged to participate in all outdoor activities, inter-college events, inter-departmental events, etc. All diligent efforts put forth by the institute are rewarded with all good student accolades every year.

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

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

147

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

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

620

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Response: The college library has a vast collection of texts and general books, International and National journals, e-resources and online databases to cater to the needs of both UG and PG students. Separate sections for General, Reference books, Journals and Periodicals, Magazines are provided along with free Net browsing facility to access the online databases and academic information.

Library has an advisory committee for smooth and effective utilization of learning resources. It consists of librarian and one faculty member from each department. Book bank facility is provided to toppers and needy students. For SC students, extra books are provided. There is extended library timing during examination time for all the students. Web – OPAC is available for faculty members and students to search book/title/author in the library.

For e-learning, separate platform is established for faculty members and students. Adequate space and internet connectivity is made available with e-resources and NPTEL video lectures in Digital library. The institute has dedicated Integrated Library Management System with ERP since 2015. There are e-journal subscriptions and journals with IEEE, ASME and ASCE. There is the ProQuest Engineering Computer and Management Collection with the e-book titles. There is dedicated academic process manual which defines library management process under ISO 9001:2015 followed diligently at the institutional level.

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

B. Any 3 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

33.01

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

351

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Response: The institute has a 24X7 WiFi facility in the college campus for the student and faculty members to avail internet connection in the campus and hostel.

The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, and up/down loading of web-based applications, besides helping them in preparing projects and seminars. The usage of Cyberoam firewall to prevent illegal access of the internet is scrupulously followed.

The institute has state-of-the-art computing facilities for the students on campus. In this regard, the institution has established Wi-Fi devices at 17 different locations. These locations cover the campus in its entirety and sufficient bandwidth of 600Mbps is dedicated for the same. Video conferencing facility is available in all departments for Online Teaching learning with all the required state-of-the-art setup.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4151	1976

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

709.70

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Response: The institute provides state-of-the-art infrastructure to address the need of an effective teaching and learning process. The policy is to provide educational infrastructure for students in terms of laboratories, software and equipment, library resources, and well-furnished classrooms etc. The infrastructure facilities are enhanced by addressing

the needs of students and faculty members to support research, product development, etc. The institution ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeeping of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received by the college as per the requirements in the interest of students.

Zero Deficiency Report from AICTE is obtained every year, which ensures that the availability of the infrastructure is in line with academic growth. All the classrooms are equipped with CPU, LCD Projectors and screens, and internet accessibility. All required well-equipped laboratories with multimedia teaching aids. Additionally, there are central facilities like Innovation Center, Digital Library, Computer Center, Examination Control Office, Canteen, mess, and Student Recreational facilities like Art Circle. The campus also provides adequate parking facilities (approximately 2000 two-wheelers for students only) for a two-wheeler, and four-wheeler vehicles Maintenance committee takes care of academic infrastructure and facilities. A well-defined organizational structure and Processes are established and followed as per the norms of ISO 9001:2015 (drafted in the Maintenance and Fire and Safety Process Manual) to carry out the day-to-day maintenance of these facilities.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2133

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

46

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	http://www.pccoepune.com/
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3334

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

689

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

39

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	View File
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

62

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	**No File Uploaded**

5.3 - Student Participation and Activities

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

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	**No File Uploaded**

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Response: Students are given opportunities to develop and nurture their leadership qualities through Student Associations, Student Council, Student Cells at Department/Institute level. PCCoE has a dedicated Student Development and Welfare Cell. In First Year level of

Engineering, Reader's Club and Mathematics Club is formed to nurture team building skills. Each department has an active student association MESA, ETSA, CESA, ITSA, CiESA etc. The students hold good positions of President, Secretary and Treasurer in these student associations. There isIEEE,ACM,CSI Student chapter etc. active in the Institute.Students are also encouraged to join or form Special Interest Groups. There is active exemplification by the BAJA-SUPRA student team with selected representatives, which has a pivotal role in bagging major awards consecutively in competitions held.

The institute has set up NSS to sensitize students towards societal issues and community services, activities of which is mainly carried out by the students.

Communication and Soft Skill programs, Aptitude Training, Technical Skill enhancement programs, Foreign Language Certification Courses, Personal and Spiritual Development Programs, Entrepreneurship Development Activities, and Preparation courses for competitive Examinations (Gate/GRE/CAT/MPSC/UPSC etc.) are made available on campus through various professional agencies.

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

10

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute

significantly to the development of the institution through financial and other support services

Response: The institution strongly believes in creating and maintaining associations with its alumni. PCCOE has registered an Alumni Association. Registration Number: Maharashtra/150/2005/Pune. There is the Alma Connect portal where thousands of alumni have already registered. There are alumni meets organized to reconnect with the Alma mater which serves as the best platform for networking and sharing new trends and current happenings in the corporate world.

Every department maintains strong association with their alumni. The alumnus actively interacts with the institute and the current students through several programs.

Alumni always come forward to bring up the learning environment of the campus and have also provided job opportunities and internships to the eligible and aspiring students. It is a regular practice of the Institute to invite eminent alumni to discuss along with students and to deliver lectures. They participate in activities that would contribute to the general development of the institute. The alumni have conducted numerous academic sessions on Preparation for Interviews, Mock Interviews, and Group Discussions. The undergraduate and postgraduate students get benefitted through their knowledge sharing and expertise. These inputs are helpful to academicians in moulding aspiring students. They help in the conduction of conferences, workshops, seminars, symposia, etc.

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

5.4.2 - Alumni's financial contribution during the year	**E. <2 Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Response:

Vision

To be one of the top 100 Engineering Institutes of India in coming five years by offering exemplarily Ethical, Sustainable and Value Added Quality Education through a matching ecosystem for building successful careers.

Mission

1. Serving the needs of the society at large through establishment of astate-of-art Engineering Institute

2. Imparting right Attitude, Skills, Knowledge for self-sustenance throughQuality Education

3. Creating globally competent and Sensible engineers, researchers andentrepreneurs with an ability to think and act independently in demandingsituations

The institute functions proactively to provide the best professional environment to students in terms of academics, project-based learning, industry-oriented trainings, co-curricular and extracurricular activities, various competitions, cultural activities, sports, international exposure, etc. to create true aesthetically sensitive, socially committed and technologically competent engineers and management professionals.

The Governing body of the Institute chaired by the Chairperson fosters the spirit of participative management.Institution is working on four pillar philosophy that is Academic Excellence,Innovation & Research, Professional competence of students and Social commitments.Through participative management, the faculty members are involved in various decision-making bodies of the institute.

http://www.pccoepune.com/organization-chart.php

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.pccoepune.com/best-engineering-college-in-akurdi.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Response: PCCoE envisages decentralization as a basic requirement for creating a conducive environment for participation and accountability at each level of administration. With these focused objectives, the efforts have led to the systematic mechanism of delegation of authority and provided operational autonomy to all the heads / in-charges of respective departments. The academic and administrative responsibilities of the College are carried out by the Director, Deans, Head of the Departments, and Registrar. Well defined hierarchical administrative and implementation model is established with their authorities and responsibilities.

Academic Monitoring and Control Discipline is diligently practiced to ensure academic monitoring and control. Before the commencement of the term, the academic calendar is prepared. Faculty members plan lectures and allied academic activities for the entire semester and all the academic coordinators ensure that the activities are conducted as per schedule in the internal academic monitoring. Academic Review Meeting (ARM) is conducted twice a semester. The academic audits (internal and external) ensure the overall quality of the teaching and learning process and the outcome is measured through academic results, placements, industry-institute interactions, and quality projects.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.pccoepune.com/organization-chart.php

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Response: Due to effective planning and the Vision of the institute, the major outcomes observed in the last few years are, in the year 2020, PCCoE received Academic Autonomy, and in the year 2021, PCCoE is recertified with ISO 9001: 2015 certification and to encourage the students and faculty, to create awareness of college activities and achievements a newsletter " Samvaad" was initiated. The Computer and Science Engineering UG program in regional language was started in PCCoE. The year 2022 was a great success with 5 UG programs NBA re-accredited, Industry connects event " Kshitij -2022, with good project demonstrations, was successfully conducted with around 150+ industry involvement,to increase social visibility and promote digital marketing " Darpan 1.0" was initiatedand to increase international relation a big international event was conducted " Know Japan". Considering NEP implementation, PCCoE has already decided on its future strategic plan, and its available on the website.

One activity successfully implemented based on the strategic plan: "Darpan 1.0":

PCCoE’s unique initiative, "DARPAN 1.0" is an effort to encourage faculty to develop an individual website for personal branding.Forty-five faculty members of PCCoE registered for the fellowship, that was further evaluated, and were encouraged with the support of Rs. 6000 each for development of the website of faculty members.

http://www.pccoepune.com/

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/policies-for-academic-and-admin-staff.php
Upload any additional information	No File Uploaded

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

Response: Board of Governors (BoG) has been constituted for a Term of Three Years commencing from November 2020. The Director convenes a Meeting of the Board of Governors at least twice a year. The Academic Council with representative members is constituted as per UGC Guidelines for Autonomous Colleges. The meeting of the Academic Council is convened twice in a year. The Board of Examinations has been constituted to exercise fair and just use of Regulations and uphold Academic Standards in respect of the assessment of Students on taught Courses. The College Development Committee meetings are held a year thrice for regular review and follow–up of the various developmental activities in the Institute.

The Director administers various Academic Activities and other related Developmental and Research Activities, Students and Staff Welfare Activities through Deans, Departmental Heads, registrars etc. Regular Meetings are held with Deans, HODs, and the Section In charges to effectively plan, implement and monitor and control various Academic and Administrative functions of the Institute.

Additional Committees / Cells: The institute has formed various additional Committees / Cells and the functions of these Committees/ Cells are properly defined, considering the overall development of the Institute.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.pccoepune.com/organization-chart.php
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Response: The Institute believes that the well-being of faculty members and non-teaching staff is important for the effective functioning of the Institute. In line with this, many welfare measures have been implemented and have been listed below:

Welfare schemes for Faculty Members:

- **GIS (Group Insurance Scheme)**
- **Sanction of CL/EL/ML and Maternity leaves for ladies' staff as per government rules**
- **Faculty is deputed for PG and Ph.D. program with salary (as per policy), National and International fellowships.**

- **Incentives for Research work and publications**
- **Seed funding**
- **DARPAN fellowships**
- **Gratuity**
- **PCETs employee cooperative society Ltd. (for personal loans at lower interest rates)**
- **EPF to all staff members**
- **Leaves as per the norms to all staff**
- **Support for Higher Education/ Skill enhancements**
- **Financial support for organizing and attending STTPs/FDPs/Seminars/Workshops/Conferences etc.**

Non-teaching staff:

- **GIS (Group Insurance Scheme)**
- **Gratuity**
- **PCETs employee cooperative society Ltd. (for personal loans at lowerinterest rate)**
- **EPF to all staff members**
- **Leaves as per the norms to all staff**
- **Maternity leaves for ladies' staff**
- **Allowed to attend training programs/workshops with leave and registration fees.**
- **Support for Higher Education/ Skill enhancements**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/policies-for-academic-and-admin-staff.php

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

29

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

14

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

95

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Response: The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted quarterly by the internal financial committee of the institution. An external audit is conducted once every year by an external agency.

Internal Audit:

- **Internal audits are conducted quarterly by the Accounts section of the Institute and the Chartered Accountant.**
- **The audit of accounts and submission of Quarterly returns of 24Q & 26Q tax returns are carried out quarterly.**

External Audit:

- **The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day-to-day basis and an annual audit is done by the statutory auditor.**
- **The audit of accounts and submission of income tax returns are carried out regularly each year.**
- **The institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase orders and approvals at every stage of implementation, and due verification of goods and services that are obtained after delivery or completion of works. No expenses are incurred without**

proper approval or sanction by the Head of the institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/account.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

5.1

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response: The institute takes utmost care in preparing its financial budget, its allocation, and utilization by the respective departments and sections. There are various budget heads taken into consideration and as per the requirement, the allocations are done after discussion with College Development Committee and BOG. Following is the process which is followed to prepare and allocate the budgets for the institute.

Budget preparation and its allocation:

- The Academic Departments and other Sections such as Library, Training, and Placement, and Administrative Office are asked to prepare and submit the Budgeted Expenditure for major Heads such as Laboratory Equipment, Consumables, Software, Maintenance, Library, Students and Staff Development, Research, etc.

- Considering the requirements for the next Academic Year,

Natural Growth in Students Intake, expected receipts through fees, and the previous year's actual expenses, the budget for the next financial year April to March is prepared. This budget is put in for discussion, review, suggestions, and recommendations. After a recommendation, it is put up for consideration and approval in the BOG Meeting.

- **Once the approval is obtained, the appropriate allocation of budgeted funds against various expenditure heads is made to the Academic Departments and Sections; based on the tentative Budgets submitted by them.**
- **The allotted budget is informed to Heads of Departments and Section Incharges for further necessary processes.**
- **Periodic Reviews of actual expenditures incurred against the allotted budgets are taken and approvals are further obtained.**

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Response: During the post-accreditation period, the IQAC has channelized all efforts and measures of the Institution towards promoting its academic excellence and building an ecosystem to support research outcomes.

IQAC reviews the teaching-learning and other processes and takes initiatives to improve the curriculum and its enrichment. Some of the activities are mentioned below:

- **Academic Review Meeting (ARM) is conducted twice a semester.**
- **Academic audit of all the departments: The academic audit is conducted every semester by the internal audit committee. An external audit is done every year by a third party (TUV Nord).**

- **Management Review Meeting : The performance of the departments is measured in 0 to 100 %. All departments assess their respective performances on a scale 0 to 100 %. These assessments are presented in MRM Meetings for review.**

- **Autonomy: The Autonomy visit was successfully conducted in the month of September 2019. The autonomy is granted as a result of quality efforts taken by the PCCOE team.**

- **NBA Accreditation: The UG Engineering programs have been granted Accreditation by NBA for Computer, E&TC, Mechanical, Civil, and IT for three years from July 2022 to June 2025.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.pccoepune.com/naac-iqac.php

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Response:The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

The IQAC comprises of Director, Deans, and HODs. As per the academic calendar planned for each semester, two IQAC-Academic Review Meetings (ARM) are planned for UG and PG separately. Out of two meetings one meeting is conducted for planning the execution of the semester and the objective of the second IQAC-ARM is to understand the effectiveness of course conduction, the methodology used and the outcome achieved for each of the subjects.

Teaching learning processes are evaluated for student attendance, syllabus coverage, internal exam performance of the students, project activity conducted, and facility provided by the department. The strengthened feedback system is conducted stringently to understand students' views related to teaching and other facilities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.pccoepune.com/naac-iqac.php

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.pccoepune.com/quality-assurance-home.php
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Response : PCCoE shows gender sensitivity through various initiatives and actions for creating safe and secure conducive environment in campus. Sensitization of the students is done

through special lectures and functions. PCCoE has set up Internal Complaint Committee(ICC) to maintain a healthy and safe environment for girls and women employees in campus. Objective To create a healthy environment in the campus where every woman feels safe and self-confident without any problems relating to gender discrimination and sexual harassment.

Functions of ICC: To address the informal and formal complaints of any female employee or student as specified in the objectives of the cell. To ensure the fair and timely resolution of the complaints. To provide counseling and support services on our campus. To promote awareness about sexual harassment through educational initiatives that encourage and foster a respectful learning work environment. There are two separate hostels for boys and girl students that exist on the campus. The rector and warden diligently take care of the students, with defined rules and policies. The campus has strong security personnel deployment. The medical facilities are at place and the institute has a tie-up with a nearby hospital for medical emergencies.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**B. Any 3 of the above**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Response: The institute has a lush green campus and has received awards for upkeepment. The procedure and practices are put forth by the institute and the processes are diligently

followed. The institute conducts the Green Audit to review the overall environmental management systems. Green audit for an educational institution mainly examines the following systems

- Water Management
- Waste Management
- Biodiversity
- Health and safety management
- Sanitation management

Necessary awareness has been created on the campus for solid and liquid waste management. Sources of waste generation on the campus are:

Waste water : There is a PCMC water purification plant is located at the upper elevation from PCCoE.

Solid Waste: Garden waste is disposed off in bins and is collected away by PCMC vehicle, once in 15 days generally and in between if required.

Biomedical waste disposal is hygienically taken care of by the waste management team and is discarded with help of PCMC. Cleanliness is satisfactorily maintained on the campus. Indoor cleaning has been outsourced to a housekeeping agency. The sanitization has been adequately taken care of and checks have been made regularly. E-waste Management is managed as per the norms of PCMC.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **1. Restricted entry of automobiles** **2. Use of bicycles/ Battery-powered vehicles** **3. Pedestrian-friendly pathways** **4. Ban on use of plastic** **5. Landscaping**	B. Any 3 of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **1. Green audit** **2. Energy audit** **3. Environment audit** **4. Clean and green campus recognitions/awards** **5. Beyond the campus environmental promotional activities**	D. Any 1 of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Response : PCCoE believes in the holistic development of students. The zeal and enthusiasm with which the students, faculty members, and staff of the institute unite bring unity in diversity. Caste, creed, or religion is immaterial on the

campus. The NSS activities provide an inclusive environment by bringing students and faculty members, and staff members with diverse backgrounds to render services to humanity and cater to the social awareness need of society.

Charity events are conducted through the Art Circle team under the Students and Development Welfare Cell which brings together sensitivity and harmony towards cultural and linguistic diversities and sensitizes the audience at large on societal issues. There are audit courses included in the curriculum that speaks volumes about professional ethics and the Constitution of India. Two important national festivals, Republic Day and IndependenceDay are celebrated every year on campus and all students and staff participate in the cause of the Nation. Inspiring speeches and acts are conducted on such occasions.

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

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

Response : PCCoE believes in the holistic development of students and imparts Value Added Quality Education.

- **As part of strengthening democratic values and social responsibility, NSS Team carried out various programs such as Donation drives, Cleanliness Drives, Swachh Bharat, Tree Plantation drives, etc. Audit Course on 'The Constitution of India' is included as part of the curriculum for FYMTech and SYBTech, to sensitize students regarding the values, rights, duties, and responsibilities of citizens.**

- **Two important national festivals, Republic Day and Independent Day are celebrated every yearin campus.**

- **PCCoE has participated in 'Azadi ka Amrit Mahotsav',a nationwide celebration to commemorate 75 years of independence. Each day one profile of selected 'Jewels of India' was exhibited on the college website.**

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

Response: PCCoE is committed to promoting ethics and values amongst students and faculty members. In order to continue encouraging this, the institute organizes national festivals with great zeal and enthusiasm.

- **Two important national festivals, Republic Day and Independent Day are celebrated every year on campus and all students, faculty members, and staff participate in**

the same. Speeches, student skits, and patriotic song performances are key highlights of the celebrations.

- ‘Azadi ka Amrit Mahotsav’ is a nationwide celebration to commemorate 75 years of independence. PCCOE has shown its solidarity with the national celebration by displaying profiles of noteworthy personalities on the PCCOE website, whose contribution has shaped our nation. Each day one profile of selected ‘Jewels of India’ was exhibited on the college website.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Response:

1) Incentives for Research publications/Book chapters/Editorial roles: The primary objective of the proposed incentive scheme is to motivate the faculty members of the Institution to undertake quality research, consultancy, and other related activities. To boost the research growth in the Institute, amendments in the Research policy have been made. Quality publications inScopus/ Web of Science with Quartiles, Conferences (National/International), Book publications,Book Chapters, and Editorial Roles are a few of the criteria considered for the amendment inthe Research policy.

2) Kshitij Showcase Conference:

To focus on the Make in India initiative and import substitution, a First Showcase Conference was organized by the

Institute. A platform for the PCCoE Talent was arranged to be showcased through 40+ patentable projects. To foster innovation and deliver the best answers to real-life problems while guaranteeing intellectual property rights through patents and copyrights, has been the aim of this Showcase conference. Channelized efforts are in process in this direction to assimilate the project ideas into products and IPRs, along with nurturing industrial collaborations and networking.

File Description	Documents
Best practices in the Institutional website	http://www.pccoepune.com/naac-iqac.php
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Response:

1. Innovation in Education: PCCoE always strives to impart value added quality education that satisfies the need and expectation of society and industry at large. Being an autonomous institute, different innovative steps in curriculum framework is putforth. Some glimpses: Innovation through V lab, online teaching through Bodhitree, flipped classes etc.

2. Research activities: To nurture the R&D culture by promotion of quality research work, facilitating innovative thinking and creation of intellectual property, enhancing the capability of sponsored research and consultancy, and providing necessary infrastructure and financial support for the same.

3. Innovation Centre, Incubation Centre, Entrepreneurship:

PCCOE CIIL is an incubation Centre registered under Section 8 of the Companies Act, 2013 with the vision to create globally accepted Innovators and Entrepreneurs for Self Reliant India. PCCOE CIIL provides unique and incentivized solutions to students, faculty members, and collaborators. The PCCOE CIIL start-ups have come up with products like- Sanitary napkin vending machine- Electrolaxme, an Automated hand sanitizer machine, Hand sanitizer (liquid), a Mobile stand for ICT etc.

4. Industry Institute Collaboration: Long-term association with many reputed Industries is set for the following purposes: (a) Student Projects (b) Internships and Placements (c) Faculty training and Collaborations.

5. Opportunities in abroad Universities through foreign universities collaboration: PCCOE's International academic collaborations foster support and encourage scientific, cultural, and educational cooperation and exchange between universities to strengthen research quality and learning. 6. Student-centric model of education and overall development. No stone is left unturned in order to develop the competency of students.

File Description	Documents
Appropriate link in the institutional website	http://www.pccoepune.com/naac-iqac.php
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Response : The institution has a Perspective Plan in place to help it develop in a systematic, well-thought-out, and phased manner.

The major has been put forth here as follows:

I) Accreditations/Certifications:

- **NBA Tier- I certification**
- **NAAC Accreditation**
- **ISO re-certification**

II) Research and Collaborations: Considering the need for young technocrats,PCCOE-CIIL needs to be further strengthened to provide ample opportunities for innovation, incubation, startups, and entrepreneurial opportunities.Enhancement in Quality Research Publications with next year's target of getting a minimum 150 Scopus/WoS indexed research papers published is initiated.Provisioning 'Seed Funding' to Faculty members for Research Projects is done. International Student Exchange programs are initiated to encourage students to have exposure to varied areas of research and teaching-learning.

III) Strengthening of Industry-Institute Interaction: Co-

teaching in Academics, where Industrial mentors can share their expertise to bridge the Academia-Corporate gap is initiated. Channelized efforts in this direction is being undertaken to strengthen the Industry-Institute interaction.Enhancing the median salary of student placements with 'Platinum Placement Project' is initiated.

Overall, the Institute aims to embark a journey toward Global Recognition with all dedicated and sincere efforts.