



## **YEARLY STATUS REPORT - 2023-2024**

### **Part A**

#### **Data of the Institution**

|                                                                  |  |                                                         |
|------------------------------------------------------------------|--|---------------------------------------------------------|
| <b>1.Name of the Institution</b>                                 |  | <b>Pillai college of Engineering</b>                    |
| • Name of the Head of the institution                            |  | <b>Dr. Sandeep Joshi</b>                                |
| • Designation                                                    |  | <b>Principal</b>                                        |
| • Does the institution function from its own campus?             |  | <b>Yes</b>                                              |
| • Phone No. of the Principal                                     |  | <b>02227456100</b>                                      |
| • Alternate phone No.                                            |  | <b>02227451700</b>                                      |
| • Mobile No. (Principal)                                         |  | <b>9373710001</b>                                       |
| • Registered e-mail ID (Principal)                               |  | <b>principalpce@mes.ac.in</b>                           |
| • Address                                                        |  | <b>Dr. K. M. Vasudevan Pillai<br/>Campus, Sector 16</b> |
| • City/Town                                                      |  | <b>New Panvel</b>                                       |
| • State/UT                                                       |  | <b>Maharashtra</b>                                      |
| • Pin Code                                                       |  | <b>410206</b>                                           |
| <b>2.Institutional status</b>                                    |  |                                                         |
| • Autonomous Status (Provide the date of conferment of Autonomy) |  | <b>03/11/2021</b>                                       |
| • Type of Institution                                            |  | <b>Co-education</b>                                     |
| • Location                                                       |  | <b>Urban</b>                                            |

|                                                                                                                                                                                                  |                                                                                                                                               |                |                             |                   |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------|-------------------|-------------------|
| • Financial Status                                                                                                                                                                               | <b>Self-financing</b>                                                                                                                         |                |                             |                   |                   |
| • Name of the IQAC Co-ordinator/Director                                                                                                                                                         | <b>Dr. Sharvari S. Govilkar</b>                                                                                                               |                |                             |                   |                   |
| • Phone No.                                                                                                                                                                                      | <b>0227456100</b>                                                                                                                             |                |                             |                   |                   |
| • Mobile No:                                                                                                                                                                                     | <b>9819261265</b>                                                                                                                             |                |                             |                   |                   |
| • IQAC e-mail ID                                                                                                                                                                                 | <b>pceiqac@mes.ac.in</b>                                                                                                                      |                |                             |                   |                   |
| <b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>                                                                                                                         | <a href="https://www.pce.ac.in/iqac/aqar-reports/">https://www.pce.ac.in/iqac/aqar-reports/</a>                                               |                |                             |                   |                   |
| <b>4.Was the Academic Calendar prepared for that year?</b>                                                                                                                                       | <b>Yes</b>                                                                                                                                    |                |                             |                   |                   |
| • if yes, whether it is uploaded in the Institutional website Web link:                                                                                                                          | <a href="https://www.pce.ac.in/students/academic-calendar/term-calendar/">https://www.pce.ac.in/students/academic-calendar/term-calendar/</a> |                |                             |                   |                   |
| <b>5.Accreditation Details</b>                                                                                                                                                                   |                                                                                                                                               |                |                             |                   |                   |
| Cycle                                                                                                                                                                                            | Grade                                                                                                                                         | CGPA           | Year of Accreditation       | Validity from     | Validity to       |
| <b>Cycle 1</b>                                                                                                                                                                                   | <b>A+</b>                                                                                                                                     | <b>3.3</b>     | <b>jan 2020</b>             | <b>07/01/2020</b> | <b>07/01/2026</b> |
| <b>6.Date of Establishment of IQAC</b>                                                                                                                                                           |                                                                                                                                               |                | <b>30/05/2016</b>           |                   |                   |
| <b>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.)?</b> |                                                                                                                                               |                |                             |                   |                   |
| Institution/ Department/Faculty/School                                                                                                                                                           | Scheme                                                                                                                                        | Funding Agency | Year of Award with Duration | Amount            |                   |
| <b>NIL</b>                                                                                                                                                                                       | <b>NIL</b>                                                                                                                                    | <b>NIL</b>     | <b>Nil</b>                  | <b>NIL</b>        |                   |
| <b>8.Provide details regarding the composition of the IQAC:</b>                                                                                                                                  |                                                                                                                                               |                |                             |                   |                   |
| • Upload the latest notification regarding the composition of the IQAC by the HEI                                                                                                                | <a href="#">View File</a>                                                                                                                     |                |                             |                   |                   |
| <b>9.No. of IQAC meetings held during the year</b>                                                                                                                                               | <b>3</b>                                                                                                                                      |                |                             |                   |                   |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions taken                                                                                                                      | <b>Yes</b>                                                                                                                                    |                |                             |                   |                   |

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| uploaded on the institutional website?                                                                                                                                                                                                                                |                                                                                                                                                                                                    |  |
| <ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>                                                                                                                                          | No File Uploaded                                                                                                                                                                                   |  |
| <b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>                                                                                                                                                                | <b>Yes</b>                                                                                                                                                                                         |  |
| <ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>                                                                                                                                                                                          | <b>50000</b>                                                                                                                                                                                       |  |
| <b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>                                                                                                                                                                      |                                                                                                                                                                                                    |  |
| PCE has successfully facilitated the handholding process for its assigned mentee HEIs under the NAAC Margdarshan scheme. As a result, all three mentee institutions have completed the NAAC accreditation process, achieving A+, A, and B+ grades respectively.       |                                                                                                                                                                                                    |  |
| PCE successfully hosted the Grand Finale of KAVACH 2023, a 36-hour non-stop cybersecurity hackathon organized by AICTE in collaboration with the Ministry of Home Affairs, the Ministry of Education, and MIC.                                                        |                                                                                                                                                                                                    |  |
| Ministry of Education's Innovation Cell and AICTE has selected Pillai College of Engineering as a mentor institution under flagship IIC Mentor Mentee Scheme 2023 with the funding of 2.25 Lakhs to guide five new IICs in innovation and entrepreneurial activities. |                                                                                                                                                                                                    |  |
| PCE successfully organized the International Conference on Technologies for Future Cities (CTFC-2023) on 6th-7th October 2023.                                                                                                                                        |                                                                                                                                                                                                    |  |
| Regular meeting of Academic and Administrative Audit committee to review departmental AQAR submitted by each department and its follow up action.                                                                                                                     |                                                                                                                                                                                                    |  |
| <b>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:</b>                                                                                             |                                                                                                                                                                                                    |  |
| Plan of Action                                                                                                                                                                                                                                                        | Achievements/Outcomes                                                                                                                                                                              |  |
| <b>1. To Develop a curriculum framework aligned with NEP 2020 principles</b><br><b>2. To prepare a semester-long credit based internship policy and to collaborate with industries and</b>                                                                            | <b>1. Successfully incorporated NEP 2020-aligned curriculum for FY batch w.e.f 2023-24 to foster holistic development and interdisciplinary education for students.</b><br><b>2 a. Developed a</b> |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>organizations to facilitate internship opportunities. 3.To Launch in-house funding initiatives such as UGROP and SRDA to support undergraduate research and development projects. 4.To Formulate and adopt a credit transfer policy for MOOCs, allowing students to earn credits through NPTEL-SWAYAM courses. 5.To conduct periodic internal and external academic audits to ensure adherence to quality standards and sustained improvement in academic processes</p> | <p>Comprehensive Internship Policy outlining the structure, guidelines, and evaluation criteria for semester-long credit-based internships. b.Successfully provided internships opportunities to 706 students by Collaborating with various Industries , startups and Organizations of repute . c.The internship experience has led to enhanced practical skills, improved industry readiness among students, and the acquisition of about 37 pre-placement offers from various industries. 3.Increased student engagement in research activities like hackathons, copyright and patent registration, research paper presentation in national and international conferences and participation in project competitions. 4.A total of 2,500 students from PCE have successfully completed their Academic Bank of Credits (ABC) registration, fulfilling a mandatory requirement for the seamless implementation of the credit transfer policy. 5.All departments of PCE have successfully undergone internal and external academic audits , during which experts reviewed curriculum framework, teaching learning methodologies ,evaluation mechanisms and adherence to outcome based education.</p> |
| <p>13.Was the AQAR placed before the statutory body?</p>                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Yes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                            |                    |
|----------------------------|--------------------|
| Name of the statutory body | Date of meeting(s) |
| <b>Board of Governance</b> | <b>31/10/2024</b>  |

**14. Was the institutional data submitted to AISHE ?**

**Yes**

- Year

|                |                    |
|----------------|--------------------|
| Year           | Date of Submission |
| <b>2023-24</b> | <b>21/03/2024</b>  |

**15. Multidisciplinary / interdisciplinary**

PCE has successfully implemented a revised curriculum aligned with the National Education Policy (NEP) 2020 framework from the academic year 2023-24. This curriculum was developed through extensive collaboration with stakeholders and offers a blend of department-specific electives tailored to industry needs alongside multidisciplinary open electives in domains such as bioengineering, green technologies, sustainable development, life skills, art, and journalism. A mandatory semester-long credit-based internship was introduced for final-year B.Tech students (Semester VIII), providing hands-on experience with industry-standard tools and technologies. This initiative also resulted in numerous pre-placement offers from reputed industries. To enhance interdisciplinary skills, students are encouraged to undertake multidisciplinary projects as part of their final year. PCE actively motivates students to participate in activities such as racing car design and development teams—VANGUARD, SPARK, and HYPERION—and national and international level hackathons. Additionally, the institute has signed MOUs with Paras Anti Drone Technologies Pvt. Ltd. and Astroborne Space & Defense Technologies, Mumbai. These partnerships offer students valuable opportunities to work on cutting-edge projects in drone and defense technologies, fostering innovation and industry exposure.

**16. Academic bank of credits (ABC):**

Under the autonomous curriculum implemented at Pillai College of Engineering (PCE) during the academic year 2023-24, courses were assigned non-transferrable credits, granting the institute the flexibility to design a student-centric curriculum aligned with the National Education Policy (NEP) 2020. As part of NEP implementation,

PCE registered on the National Academic Bank of Credits (ABC) portal, with over 2,500 students successfully enrolling. The ABC platform allows students to accumulate credits from diverse academic activities, including courses, workshops, and educational experiences, with the option to transfer credits across institutions. To align with this framework, PCE has developed a comprehensive credit transfer policy and identified equivalent MOOC/online courses offered by reputed organizations, ensuring seamless integration with the autonomous curriculum. This initiative reflects PCE's commitment to modernizing education and addressing the evolving needs of learners.

#### **17.Skill development:**

Under the autonomous curriculum implemented at Pillai College of Engineering (PCE) during the academic year 2023-24, courses were assigned non-transferrable credits, granting the institute the flexibility to design a student-centric curriculum aligned with the National Education Policy (NEP) 2020. As part of NEP implementation, PCE registered on the National Academic Bank of Credits (ABC) portal, with over 2,500 students successfully enrolling. The ABC platform allows students to accumulate credits from diverse academic activities, including courses, workshops, and educational experiences, with the option to transfer credits across institutions. To align with this framework, PCE has developed a comprehensive credit transfer policy and identified equivalent MOOC/online courses offered by reputed organizations, ensuring seamless integration with the autonomous curriculum. This initiative reflects PCE's commitment to modernizing education and addressing the evolving needs of learners.

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

During the academic year 2023-24, Pillai College of Engineering (PCE) successfully implemented a curriculum aligned with the NEP 2020 framework, emphasizing the inclusion of Indian Knowledge Systems (IKS) as a compulsory credit-based course for first-year students. This course offers a diverse range of knowledge from the Bhṛatya tradition, drawing insights from the Sthapatya-veda, Bhagwat Puranas, Arthashastra, ancient trade practices, and material technologies. The course evaluation incorporated an innovative project competition on topics such as: Indian Agriculture, Indian Mathematics and Astronomy, Indian Education, Indian Science, Engineering, and Technology (Past, Present, and Future), Indian Astronomy. First-year students participated enthusiastically, showcasing the practical application of their knowledge gained

through the IKS curriculum. PCE has also initiated multilingual content delivery for select courses in regional languages like Hindi, Marathi, and Malayalam, which has been highly appreciated by learners. Additionally, the college has started creating technical content in regional languages, further supporting accessibility and inclusivity in education. PCE celebrates a variety of festivals with enthusiasm, including Diwali, Dussehra Pooja, Garba, and Christmas. To honor the rich cultural heritage of Maharashtra, the college commemorates Chhatrapati Shivaji Maharaj Jayanti. The Traditional Day, organized by the Student Council, highlights the diversity of cultures and traditions across the country, providing students with a unique and enriching experience.

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

Pillai College of Engineering (PCE) offers 14 programs in Engineering and Technology, all designed around the principles of Outcome-Based Education (OBE). Each program defines specific Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs), with an emphasis on developing cognitive abilities such as Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating. Alongside technical proficiency, the learning outcomes focus on social responsibility, ethics, entrepreneurial skills, and a commitment to lifelong learning. The Course Outcomes (COs) are systematically aligned with the POs and PSOs to ensure students acquire the desired knowledge and skills by the end of each course. These outcomes are carefully defined for all courses, adhering to Bloom's Taxonomy. To achieve these outcomes, a mix of lectures, seminars, tutorials, workshops, practical sessions, project-based learning, fieldwork, internships, and research projects are meticulously integrated into the curriculum. To enhance hands-on learning, a semester-long credit-based internship has been made mandatory for final-year B.Tech students in Semester VIII, aligning with OBE requirements. These internships provide students with practical experience using industry-standard tools and technologies, resulting in numerous pre-placement offers from reputed companies. Internships have become a vital component of PCE's OBE framework, bridging academic learning with real-world application.

#### **20.Distance education/online education:**

The institute has invested significant resources into integrating blended learning and Open and Distance Learning (ODL) into its undergraduate (UG) and post graduate ( PG) curriculum. PCE has effectively implemented blended learning for open elective courses such as Digital Business Management and Digital Marketing through the NPTEL Swayam platform within the final year B.Tech program. This

approach allows students to engage with course materials at their own pace, accommodating various learning styles and preferences. Furthermore, PCE has introduced a variety of vocational courses and internships via ODL, in collaboration with the IITB Spoken Tutorial platform, Cyber Secured India, and Trishtha Global Pvt. Ltd. These partnerships ensure the courses are in line with current industry standards, practices, and emerging trends. Courses available through the ODL mode include programming languages such as Java, R, and Python, while the internship programs focus on cybersecurity and software testing domains. By utilizing ODL, students gain practical, hands-on experience while reducing the costs typically associated with traditional education. This method provides learners with access to a wide range of vocational courses, helping them stay current with industry advancements, enhance their skill sets, and advance in their careers.

### Extended Profile

#### 1.Programme

1.1 **16**

Number of programmes offered during the year:

| File Description                        | Documents                 |
|-----------------------------------------|---------------------------|
| Institutional Data in Prescribed Format | <a href="#">View File</a> |

#### 2.Student

2.1 **2611**

Total number of students during the year:

| File Description                        | Documents                 |
|-----------------------------------------|---------------------------|
| Institutional data in Prescribed format | <a href="#">View File</a> |

2.2 **706**

Number of outgoing / final year students during the year:

| File Description                        | Documents                 |
|-----------------------------------------|---------------------------|
| Institutional Data in Prescribed Format | <a href="#">View File</a> |

2.3 **2517**

Number of students who appeared for the examinations conducted

|                                                                                                |                           |  |
|------------------------------------------------------------------------------------------------|---------------------------|--|
| by the institution during the year:                                                            |                           |  |
| File Description                                                                               | Documents                 |  |
| Institutional Data in Prescribed Format                                                        | <a href="#">View File</a> |  |
| <b>3.Academic</b>                                                                              |                           |  |
| 3.1                                                                                            | <b>740</b>                |  |
| Number of courses in all programmes during the year:                                           |                           |  |
| File Description                                                                               | Documents                 |  |
| Institutional Data in Prescribed Format                                                        | <a href="#">View File</a> |  |
| 3.2                                                                                            | <b>143</b>                |  |
| Number of full-time teachers during the year:                                                  |                           |  |
| File Description                                                                               | Documents                 |  |
| Institutional Data in Prescribed Format                                                        | <a href="#">View File</a> |  |
| 3.3                                                                                            | <b>150</b>                |  |
| Number of sanctioned posts for the year:                                                       |                           |  |
| <b>4.Institution</b>                                                                           |                           |  |
| 4.1                                                                                            | <b>205</b>                |  |
| Number of seats earmarked for reserved categories as per GOI/State Government during the year: |                           |  |
| 4.2                                                                                            | <b>62</b>                 |  |
| Total number of Classrooms and Seminar halls                                                   |                           |  |
| 4.3                                                                                            | <b>1296</b>               |  |
| Total number of computers on campus for academic purposes                                      |                           |  |
| 4.4                                                                                            | <b>1338 . 26673</b>       |  |
| Total expenditure, excluding salary, during the year (INR in Lakhs):                           |                           |  |
| <b>Part B</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.

**Being an Autonomous Institution, the Primary objective of our institute is to train students to become responsible professionals, entrepreneurs or researchers. All departments follow systematic procedure for development and implementation of curriculum.**

**The Curriculum is designed to make students industry ready with the required domain knowledge, skills and attitude. The factors considered while designing curriculum are: (I) Requirements of industry (II) Program Specific Outcomes of professional bodies, (III) Syllabus of various reputed Indian and International Universities (IV) Syllabi of various competitive exams like GATE, IES, etc, (V) Model curriculum prescribed by AICTE for implementation of Outcome Based Education (OBE) along with guidelines of National Education Policy.**

**Program Specific Outcomes and Program Educational Objectives for each department have been defined. Workshops, seminars and webinars have been conducted to educate teachers about its implementation. The POs, PSOs and PEOs are displayed on Department notice boards, laboratories, classrooms, college brochure and website.**

**Course Outcomes are thoughtfully defined for all courses considering Bloom's Taxonomy which represent the expected knowledge and skills students acquire at the end of a course. COs are revised, if needed, with approval of departmental committee. The Course Assessment Report also lists the course outcomes and their attainments. Questions in test paper are prepared based on COs.**

**The students are motivated to upgrade their knowledge by undergoing MOOCS courses through NPTEL, SWAYAM, Spoken Tutorial, Virtual Labs. Mini projects are incorporated from semester III and the credit based Internship is compulsory for all students.**

| File Description                      | Documents                                                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload additional information, if any | <a href="#">View File</a>                                                                                                                                                                                                                                         |
| Link for additional information       | <a href="https://www.pce.ac.in/wp-content/uploads/2023/12/4-B.Tech-in-Automobile-Engg-Admission-Year-23-24-FY-23-24-NEP-Scheme.pdf">https://www.pce.ac.in/wp-content/uploads/2023/12/4-B.Tech-in-Automobile-Engg-Admission-Year-23-24-FY-23-24-NEP-Scheme.pdf</a> |

**1.1.2 - Number of Programmes where syllabus revision was carried out during the year****7**

| File Description                                 | Documents                 |
|--------------------------------------------------|---------------------------|
| Minutes of relevant Academic Council/BOS meeting | <a href="#">View File</a> |
| Details of syllabus revision during the year     | <a href="#">View File</a> |
| Any additional information                       | <a href="#">View File</a> |

**1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year****408**

| File Description                                                                            | Documents                 |
|---------------------------------------------------------------------------------------------|---------------------------|
| Curriculum / Syllabus of such courses                                                       | <a href="#">View File</a> |
| Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses | <a href="#">View File</a> |
| MoUs with relevant organizations for these courses, if any                                  | <a href="#">View File</a> |
| Any additional information                                                                  | <a href="#">View File</a> |

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year****430**

| File Description                                        | Documents                 |
|---------------------------------------------------------|---------------------------|
| Minutes of relevant Academic Council/BoS meetings       | <a href="#">View File</a> |
| Any additional information                              | <a href="#">View File</a> |
| Institutional data in prescribed format (Data Template) | <a href="#">View File</a> |

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

17

| File Description                                     | Documents                 |
|------------------------------------------------------|---------------------------|
| Minutes of relevant Academic Council/BoS meetings    | <a href="#">View File</a> |
| Any additional information                           | <a href="#">View File</a> |
| List of Add on /Certificate programs (Data Template) | <a href="#">View File</a> |

### 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

**Professional Ethics, Human Values, Gender equality, Environment and Sustainability is integral part of PCE curriculum. This is taught in various courses like Environmental Studies, Professional Communication and Ethics, Human Values, Environmental Management, Intellectual Property Rights, Cyber Security etc.**

**Professional Ethics, Human Values:** Students learn a course Professional Communication & Ethics (3 credits) and Human values & Social Ethics (2 credits). Programs such as Community Service Day, Uber Rang, and Teachers Day are organized in PCE. PCE has "TAPAS" a wellness and meditation club which organizes Meditation Challenge to inculcate human values and professional ethics. NSS PCE has arranged various activities to inculcate human values. PCE is participating in Unnat Bharat Abhiyan and adopted five villages. The reports/papers/thesis of students and faculty are checked for plagiarism using TURNITIN software to maintain Professional Ethics.

**Women Rights and Gender Equality:** Women's empowerment and gender equality are one of PCE's primary concerns. PCE has established the

Society of Women Engineers (SWE-PCE) chapter to cater specifically to girl students. Various workshops and mentoring sessions are arranged by SWE-PCE. It organizes STEM Outreach activities for underprivileged middle and high school girls. Women's day is also celebrated each year at College Level. In project group formation it is suggested to have at least one girl student in the group.

| 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 | <a href="#">View File</a> |
| Any additional information                                                                                                                                                    | <a href="#">View File</a> |

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

**28**

| File Description                                               | Documents                 |
|----------------------------------------------------------------|---------------------------|
| List of value-added courses                                    | <a href="#">View File</a> |
| Brochure or any other document relating to value-added courses | <a href="#">View File</a> |
| Any additional information                                     | <a href="#">View File</a> |

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

**795**

| File Description           | Documents                 |
|----------------------------|---------------------------|
| List of students enrolled  | <a href="#">View File</a> |
| Any additional information | <a href="#">View File</a> |

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

**2358**

| File Description                                                                                      | Documents                 |
|-------------------------------------------------------------------------------------------------------|---------------------------|
| List of programmes and number of students undertaking field projects / internships / student projects | <a href="#">View File</a> |
| Any additional information                                                                            | <a href="#">View File</a> |

#### 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                                                                     | <a href="https://www.pce.ac.in/wp-content/uploads/2024/10/Feedback-Report-2023-24.pdf">https://www.pce.ac.in/wp-content/uploads/2024/10/Feedback-Report-2023-24.pdf</a> |
| Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management | <a href="#">View File</a>                                                                                                                                               |
| Any additional information                                                                                            | <a href="#">View File</a>                                                                                                                                               |

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

| File Description                              | Documents                                                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Provide URL for stakeholders' feedback report | <a href="https://www.pce.ac.in/wp-content/uploads/2024/10/Feedback-Report-2023-24.pdf">https://www.pce.ac.in/wp-content/uploads/2024/10/Feedback-Report-2023-24.pdf</a> |
| Any additional information                    | <a href="#">View File</a>                                                                                                                                               |

#### 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**

**2611**

| File Description                        | Documents                 |
|-----------------------------------------|---------------------------|
| Any additional information              | <a href="#">View File</a> |
| Institutional data in prescribed format | <a href="#">View File</a> |

### 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)

**132**

| File Description                                              | Documents                 |
|---------------------------------------------------------------|---------------------------|
| Any additional information                                    | <a href="#">View File</a> |
| Number of seats filled against seats reserved (Data Template) | <a href="#">View File</a> |

## 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.

PCE is committed to ensuring a tailored and supportive learning environment through well-defined policies and procedures. In the teaching-learning process, course-in-charge and class counselors employ a keen observation of students' performance in various activities and assessments throughout the semester to identify both slow and advanced learners. To address the needs of slow learners, remedial classes, special counseling, and extra sessions are organized. The Mentor-Mentee scheme facilitates ongoing monitoring of students' progress and challenges. Regular Parent-Teacher meetings provide a platform for updating parents on their ward's performance. For slow learners, initiatives like access to e-books, subject-specific video lectures, question banks, and faculty-prepared notes are in place. High-achieving students are encouraged to aim for top university ranks and pursue exams like GATE, GRE, TOEFL, IELTS, and CAT, with teachers conducting additional sessions for GATE preparation. Value-added courses and diverse opportunities at district, state, and national events contribute to holistic student development. Students inclined towards research are motivated to showcase their work in conferences and competitions like Avishkar. PCE is dedicated to fostering a dynamic educational experience that caters to the diverse needs and aspirations of its students.

| File Description                      | Documents                                                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                                               |
| Paste link for additional information | <a href="https://www.pce.ac.in/students/student-activities/student-awards-and-achievements/hackathon/">https://www.pce.ac.in/students/student-activities/student-awards-and-achievements/hackathon/</a> |

### 2.2.2 - Student – Teacher (full-time) ratio

| Year              | Number of Students | Number of Teachers |
|-------------------|--------------------|--------------------|
| <b>30/06/2024</b> | <b>2611</b>        | <b>143</b>         |

| File Description                  | Documents                 |
|-----------------------------------|---------------------------|
| Upload any additional information | <a href="#">View File</a> |

## 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:

PCE is dedicated to elevating the student learning experience, placing it at the core of the institute's vision and mission. The institution is committed to providing hands-on and experiential learning, manifested through various activities: Mini projects included in the curriculum is a cornerstone, where students engage in defined projects aligned with their theoretical subjects each semester, fostering practical implementation in collaborative group settings. The institute's infrastructure includes a fully-equipped Maker Studio, featuring laser cutting machines, 3D printing machines, CNC machines, and tinkering workstations, empowering students with state-of-the-art tools. A Component Library facilitates student access to a range of engineering tools and components, such as Arduino boards, microcontrollers, motors, sensors, etc., for project utilization. Virtual labs and the promotion of online courses on platforms like NPTEL, SWAYAM, EDX, and COURSERA contribute to a dynamic learning environment. The institute encourages diverse learning avenues, including case studies, online internships, webinars, and industry expert talks across all departments. Student chapters and affiliations with professional organizations like CSI, IEEE, MESA, ETSA, AESA, and ISHRAE drive student-led activities such as webinars, expert talks, and competitions, enhancing their exposure to the professional

world. This approach fosters the development of coordination, leadership, team-building, management skills, and technical prowess. Furthermore, the institution actively engages students in hackathons and startup challenges, promoting problem-solving abilities and innovative thinking.

| File Description                  | Documents                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information | <a href="#">View File</a>                                                                                                                                     |
| Link for additional Information   | <a href="https://www.pce.ac.in/students/student-activities/student-associations/">https://www.pce.ac.in/students/student-activities/student-associations/</a> |

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

PCE places a paramount focus on nurturing innovation and creativity in both its student body and faculty. Various initiatives are in place to harness ICT-enabled tools for an enriching teaching-learning experience: The institution boasts a dedicated "E-Learning Studio," equipped with an in-house developed Light Board and recording facility, blending traditional chalkboard elements with modern projection screens. Faculty-produced videos from this studio, featuring interactive, audio-visual tools, digital resources, animations, and simulations, are shared with students via platforms like YouTube. Online teaching is seamlessly facilitated through Zoom and Google Meet, allowing faculty members to conduct lectures, practical sessions, discussions, and examinations. Google Classroom is actively employed for assignment distribution, quizzes, and online submission processes. Incorporating digital resources, teachers utilize E-books, E-Journals, and Digital Databases to enhance the teaching-learning process. Faculty members continuously enrich their expertise by enrolling in and earning certifications from NPTEL, Coursera, and Edx courses, deepening their knowledge in specific research areas. Furthermore, virtual laboratories are implemented to ensure a continuous learning experience and introduce students to novel setups and experiments. PCE's comprehensive approach to integrating innovative ICT tools fosters an environment where both faculty and students can thrive in the realms of technology and education.

| File Description                                                                                                             | Documents                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | <a href="https://www.pce.ac.in/academics/e-learning/">https://www.pce.ac.in/academics/e-learning/</a> |
| Upload any additional information                                                                                            | <a href="#">View File</a>                                                                             |

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

#### 2.3.3.1 - Number of mentors

**143**

| File Description                                                            | Documents                 |
|-----------------------------------------------------------------------------|---------------------------|
| Upload year-wise number of students enrolled and full-time teachers on roll | <a href="#">View File</a> |
| Circulars with regard to assigning mentors to mentees                       | <a href="#">View File</a> |

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

Academic Calendar is prepared prior to the beginning of every semester for the smooth functioning through proper execution of academic and non academic activities of the semester. After the commencement of the lectures midterm tests are conducted to evaluate the performance of the students. Depending upon the results the extra classes are also given if required. Parents Teacher meeting is also planned in the mid of semester to have interaction of parents with the subject faculties and to make them aware of their child performance. Feedback is collected from the students about the course. PCE Management Information System portal is used where faculties upload all the academic data like teaching plan, lecture attendance, IA marks etc. which is regularly monitored by HODs and Principal. There are two Internal Assessments conducted in one semester , end sem exam and viva/ practical. After the final exams 4-5 weeks time is given to do the industrial or in-house internships before the other semester begins. Exams, supplementary exams are planned well ahead and included in the term calendar to ensure smooth functioning of the academic activities .Slots for internships for students and vacation for the faculty members are also provided in the term calendar.

| File Description                                                | Documents                 |
|-----------------------------------------------------------------|---------------------------|
| Upload the Academic Calendar and Teaching Plans during the year | <a href="#">View File</a> |

## 2.4 - Teacher Profile and Quality

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

**143**

| File Description                                               | Documents                 |
|----------------------------------------------------------------|---------------------------|
| Year-wise full-time teachers and sanctioned posts for the year | <a href="#">View File</a> |
| List of the faculty members authenticated by the Head of HEI   | <a href="#">View File</a> |
| Any additional information                                     | <a href="#">View File</a> |

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

**44**

| 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 | <a href="#">View File</a> |
| Any additional information                                                                                                                          | <a href="#">View File</a> |

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

**1354**

| File Description                                                                              | Documents                 |
|-----------------------------------------------------------------------------------------------|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | <a href="#">View File</a> |
| Any additional information                                                                    | <a href="#">View File</a> |

## 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****15**

| File Description                                                                                                   | Documents                 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|
| List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result | <a href="#">View File</a> |
| Any additional information                                                                                         | <a href="#">View File</a> |

**2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year****505**

| File Description                                                                                    | Documents                 |
|-----------------------------------------------------------------------------------------------------|---------------------------|
| Upload the number of complaints and total number of students who appeared for exams during the year | <a href="#">View File</a> |
| Upload any additional information                                                                   | <a href="#">View File</a> |

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

Each student's performance in every course undergoes a comprehensive assessment, incorporating (i) Internal/Continuous assessment during the semester and (ii) End Semester Examination. The Continuous Internal Assessment (CIA) comprises examinations held twice per semester, alongside periodic assignments, tests, and quizzes. The process is seamlessly managed by an in-house developed software for the Examination Management System (EMS), ensuring automation and efficiency. This software handles student registration, hall ticket generation, result gazette creation, result declaration, and issuance of final grade cards. To uphold assessment uniformity, question paper setters are selected from a regularly updated panel of examiners, adhering to University eligibility norms. Evaluation schemes and solutions are provided to examiners before assessment to maintain consistency. After assessment, answer papers undergo moderation, and the Examination Cell compiles marks/grades to prepare the result gazette, accessible online through the student

portal. A transparent revaluation process is facilitated through an open day, allowing students to review their answer papers. Grievances can be addressed through a prescribed application form. Supplementary Examinations are conducted twice annually for failing/absent students, following both Odd and Even semester regular examinations. Those failing in the supplementary exam can appear for the Backlog examination held at the end of each academic year, ensuring opportunities for academic progression.

| File Description                      | Documents                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                         |
| Paste link for additional Information | <a href="https://pcemis.pillai.edu.in/default.aspx">https://pcemis.pillai.edu.in/default.aspx</a> |

## 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

**Course Outcomes (COs)** embody the expected knowledge and skills acquired upon course completion, meticulously tailored for diverse programs with consideration to Bloom's Taxonomy. Collaboratively defined by course teachers and senior faculty aligned with the University syllabus, each course typically features 4 to 6 COs. These COs are introduced during initial lectures, subject to approval by department-level committees for any necessary revisions. COs and their achievements are detailed in Course Assessment Reports, influencing strategically designed Internal Assessment test questions targeting specific outcomes. Since 2015, the National Board of Accreditation (NBA) has instituted 12 Program Outcomes (POs), ensuring uniformity across the Undergraduate Engineering Program. Workshops educate teachers on outcome-based education. Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs) are crafted collaboratively for all undergraduate programs. Displayed prominently, these outcomes undergo regular calculation and reporting to the Internal Quality Assurance Cell (IQAC) for annual review, fostering a commitment to continuous improvement.

| File Description                                         | Documents                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload COs for all courses (exemplars from the Glossary) | <a href="#">View File</a>                                                                                                                                                           |
| Upload any additional information                        | <a href="#">View File</a>                                                                                                                                                           |
| Link for additional Information                          | <a href="https://www.pce.ac.in/academics/bachelors/information-technology/program-overview/">https://www.pce.ac.in/academics/bachelors/information-technology/program-overview/</a> |

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

The systematic attainment process for Program Outcomes (POs) and Course Outcomes (COs) involves direct evaluations throughout the semester, utilizing lab work, assignments, tests, seminars, mini-projects, and study camps. Indirect CO attainments are gauged through the Course Exit survey, with a 70% weightage for direct attainment and 30% for indirect, resulting in the overall CO attainment. Linking COs and POs is achieved through mapping, with direct PO attainments measured on a 3-point scale, complemented by indirect feedback from alumni, graduates, and employers. The weighted average of direct and indirect attainments determines the overall PO attainment. Program Specific Outcome (PSO) attainment from COs follows a similar 3-point scale mapping process as PO attainment. Course Assessment Reports (CARs), essential for all courses, gain approval from department-level committees and form the basis for PO and PSO attainments. Head of Department meetings regularly review CARs, initiating actions to enhance attainment in courses reporting lower levels. Interventions like bridge courses and workshops are introduced for subjects requiring improvement, ensuring a dynamic approach for continuous enhancement in program outcomes.

| File Description                      | Documents                                                                                                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                                       |
| Paste link for additional Information | <a href="https://www.pce.ac.in/academics/bachelors/electronics-computer-science/program-overview/">https://www.pce.ac.in/academics/bachelors/electronics-computer-science/program-overview/</a> |

#### 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

689

| File Description                                                                                      | Documents                                                                                         |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Upload list of Programmes and number of students appear for and passed in the final year examinations | <a href="#">View File</a>                                                                         |
| Upload any additional information                                                                     | <a href="#">View File</a>                                                                         |
| Paste link for the annual report                                                                      | <a href="https://www.pce.ac.in/iqac/annual-reports">https://www.pce.ac.in/iqac/annual-reports</a> |

## 2.7 - Student Satisfaction Survey

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

<https://www.pce.ac.in/students/student-satisfaction-survey/>

## 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

Institute has recognized Research Centers in the departments with necessary software and computing facilities like Artificial Intelligence and Machine Learning Lab for carrying out research activities. This lab is equipped with excellent infrastructure like AMD Thread Ripper (2nd Gen) 2970WX, Nvidia RT3090 24 GB GPU. For promoting quality research publications and developing collaborations to enhance industry - institute relationships through MOUs for widening the scope of innovation and research. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. Institute encourages faculty members to enhance their academic qualifications or professional competence by participation in FDPs/ STTPs/workshops/conferences by providing leave and/ or financial support. Faculty and students are encouraged and provided financial support for attending conferences, participation in project competitions. In addition, the institute gives awards to students under categories such as Best Project Awards, Outstanding Student Award, Best Student of the Department, Class Topper Award etc. The well-defined progressive policies resulted in better outcomes and helped for excellence in teaching, receiving grants and consultancy work for research projects that showed a significant rise in

research, consultancy, infrastructure and placement. Faculty members have enhanced academic qualifications with quality research publications. Students have won several awards and recognitions at various competitions including AICTE SIH, DEEP BLUE, AVISHKAR, and IIC NIC. For research facilities view <https://www.pce.ac.in/research/research-facilities/>

| File Description                                                                                                         | Documents                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | <a href="#">View File</a>                                                                                                                   |
| Provide URL of policy document on promotion of research uploaded on the website                                          | <a href="https://www.pce.ac.in/about/mandatory-disclosure/pce-handbook/">https://www.pce.ac.in/about/mandatory-disclosure/pce-handbook/</a> |
| Any additional information                                                                                               | <a href="#">View File</a>                                                                                                                   |

### 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)

**NIL**

| File Description                                                                                            | Documents                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money                                      | <b>No File Uploaded</b>   |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | <a href="#">View File</a> |
| List of teachers receiving grant and details of grant received                                              | <b>No File Uploaded</b>   |
| Any additional information                                                                                  | <b>No File Uploaded</b>   |

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

**2**

| File Description                                                  | Documents                 |
|-------------------------------------------------------------------|---------------------------|
| e-copies of the award letters of the teachers                     | <a href="#">View File</a> |
| List of teachers and details of their international fellowship(s) | <a href="#">View File</a> |
| Any additional information                                        | <b>No File Uploaded</b>   |

### 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)

**33.50**

| File Description                                                                                               | Documents                 |
|----------------------------------------------------------------------------------------------------------------|---------------------------|
| e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations | <a href="#">View File</a> |
| List of projects and grant details                                                                             | <a href="#">View File</a> |
| Any additional information                                                                                     | <a href="#">View File</a> |

#### 3.2.2 - Number of teachers having research projects during the year

**5**

| File Description                          | Documents                                                                                                                                                                         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information         | <a href="#">View File</a>                                                                                                                                                         |
| Paste link for additional Information     | <a href="https://www.pce.ac.in/research/research- and- consultancy-grants/research-grants/">https://www.pce.ac.in/research/research- and- consultancy-grants/research-grants/</a> |
| List of research projects during the year | <a href="#">View File</a>                                                                                                                                                         |

#### 3.2.3 - Number of teachers recognised as research guides

**16**

| File Description                                                                      | Documents                 |
|---------------------------------------------------------------------------------------|---------------------------|
| Upload copies of the letter of the university recognizing teachers as research guides | <a href="#">View File</a> |
| Institutional data in Prescribed format                                               | <a href="#">View File</a> |

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

**3**

| File Description                          | Documents                                                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supporting document from Funding Agencies | <a href="#">View File</a>                                                                                                                                                       |
| Paste link to funding agencies' website   | <a href="https://www.pce.ac.in/research/research- and-consultancy-grants/research-grants/">https://www.pce.ac.in/research/research- and-consultancy-grants/research-grants/</a> |
| Any additional information                | <b>No File Uploaded</b>                                                                                                                                                         |

### 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.

**Pillai Centre of Innovation and Entrepreneurship (PCIE) is set up with advanced equipment that are funded by DST, AICTE ,industries to support UG, PG and PhD students to conduct research. It is a forum to assist in developing entrepreneurs and support innovative ideas from ideation to fruition. Financial support is extended to the students for exhibiting their models at the Idea Generation Contests, Competitions held by other organizations. The Local Entrepreneurs are invited to interact with the students and inspire them through awareness meets, workshops, seminars and guest lectures on Entrepreneurship. Institute has established Institution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish function ecosystem for scouting Ideas and pre-incubation of ideas and develop better cognitive ability for technology students. Incubation cell helped more than 20 start-up companies. Students are provided facilities to build prototypes useful for promotion of Agriculture and Rural Development. Students are awarded cash prizes for best models. As an outcome of funded projects, Robotics and Automation Station is set**

up to provide research infrastructure. Facilities designed to facilitate the test and development of systems and solutions for Industry 4.0. The 5G Communication Station is set up for conducting research in 5G communications technology."

| File Description                      | Documents                                                           |
|---------------------------------------|---------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                           |
| Paste link for additional information | <a href="https://www.pce.ac.in/iic/">https://www.pce.ac.in/iic/</a> |

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

**22**

| File Description                                     | Documents                 |
|------------------------------------------------------|---------------------------|
| Report of the events                                 | <a href="#">View File</a> |
| List of workshops/seminars conducted during the year | <a href="#">View File</a> |
| Any additional information                           | <b>No File Uploaded</b>   |

### 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**

**A. All 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 | <a href="#">View File</a> |
| Any additional information                                                                                                                                             | <b>No File Uploaded</b>   |

### 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****3**

| File Description                                                                                   | Documents                                                                     |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| URL to the research page on HEI website                                                            | <a href="https://www.pce.ac.in/research/">https://www.pce.ac.in/research/</a> |
| List of PhD scholars and details like name of the guide, title of thesis, and year of registration | <a href="#">View File</a>                                                     |
| Any additional information                                                                         | <a href="#">View File</a>                                                     |

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year****73**

| File Description                                                              | Documents                 |
|-------------------------------------------------------------------------------|---------------------------|
| List of research papers by title, author, department, and year of publication | <a href="#">View File</a> |
| Any additional information                                                    | <a href="#">View File</a> |

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year****25**

| File Description                      | Documents                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                               |
| Paste link for additional information | <a href="https://www.pce.ac.in/research/publications/">https://www.pce.ac.in/research/publications/</a> |

**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****172**

| File Description                                  | Documents                 |
|---------------------------------------------------|---------------------------|
| Any additional information                        | <a href="#">View File</a> |
| Bibliometrics of the publications during the year | <a href="#">View File</a> |

### 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

**45**

| File Description                                                                           | Documents                 |
|--------------------------------------------------------------------------------------------|---------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | <a href="#">View File</a> |
| Any additional information                                                                 | <a href="#">View File</a> |

### 3.5 - Consultancy

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

**4.94767**

| File Description                                                                                           | Documents                 |
|------------------------------------------------------------------------------------------------------------|---------------------------|
| Audited statements of accounts indicating the revenue generated through consultancy and corporate training | <a href="#">View File</a> |
| List of consultants and revenue generated by them                                                          | <b>No File Uploaded</b>   |
| Any additional information                                                                                 | <b>No File Uploaded</b>   |

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

**64600**

| File Description                                                                                                                                        | Documents                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy | <a href="#">View File</a> |
| 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                                                                                                                              | <a href="#">View File</a> |

### 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

**Institute conducts various extension activities and outreach programs in collaboration with Industry, Community, through student chapters, TAPAS-PCE and NSS in the neighborhood community to sensitize students to social issues and holistic development. The NSS unit helps to solve the social difficulties of the neighborhood community and works towards the betterment of the society. These social outreach programmes brought a great impact on the holistic development of the students as they came across different categories of the people and their living standards. NSS-PCE unit had conducted different activities such as Organ Donation awareness project, Health checkup programme in collaboration with MGM Institute to celebrate World Physiotherapy Day as well as Body and Organ Donation Awareness Programme. A survey to Chikhale village under UBA was conducted with the help of around 30 volunteers. A meditation camp was organized for all First year students in collaboration with Team TAPAS-PCE. NSS-PCE unit has also conducted a one week residential camp at Shivansai Village, Post Ambe. TAPAS-PCE is a wellness and meditation club that emphasizes the well-being of students' mental health by organizing various informative sessions on topics including meditation, mental health, inner peace, etc. TAPAS-PCE has organized various activities such as Trip to Kanha Shantivanam, Dhyaratri, Udyanotsav, Yogaday and twenty one day meditation challenge 2023 etc.**

| File Description                      | Documents                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                       |
| Paste link for additional information | <a href="https://www.pce.ac.in/extension/">https://www.pce.ac.in/extension/</a> |

### 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

**18**

| File Description                                             | Documents                 |
|--------------------------------------------------------------|---------------------------|
| Number of awards for extension activities in during the year | <a href="#">View File</a> |
| e-copy of the award letters                                  | <a href="#">View File</a> |
| Any additional information                                   | <b>No File Uploaded</b>   |

### 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)

**44**

| File Description                | Documents                 |
|---------------------------------|---------------------------|
| Reports of the events organized | <a href="#">View File</a> |
| Any additional information      | <a href="#">View File</a> |

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

**2684**

| File Description           | Documents                 |
|----------------------------|---------------------------|
| Reports of the events      | <a href="#">View File</a> |
| Any additional information | <a href="#">View File</a> |

## 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

**976**

| File Description                               | Documents                 |
|------------------------------------------------|---------------------------|
| Copies of documents highlighting collaboration | <a href="#">View File</a> |
| Any additional information                     | <a href="#">View File</a> |

### 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)

**25**

| File Description                                                                                                            | Documents                 |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| e-copies of the MoUs with institution/ industry/ corporate house                                                            | <a href="#">View File</a> |
| Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year | <a href="#">View File</a> |
| Any additional information                                                                                                  | <b>No File Uploaded</b>   |

## 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.

PCE is committed to provide high quality education through classroom teaching, practical training, and by providing excellent infrastructure and experience. The Institute fulfills all the norms specified by the statutory bodies in terms of land requirement, instructional, administrative and amenities area. The college houses spacious and sufficient classrooms, seminar halls, state of the art auditorium and conclaves. There is an abundance of infrastructural resources such as Lecture Halls, Tutorial room, Drawing Halls, Seminar Halls, Laboratory, Library, Office, Exam Cell, Workshops, Conference Halls, Auditorium, Research and Incubation center, E-Learning Studio. All classrooms are equipped with ICT facilities which render content delivery for lectures at an elevated platform for disseminating data, videos, demonstrations and simulations.

Each department has one smart class room. PCE has over 62 state of the art teaching laboratories fully equipped for enhanced teaching and learning experience for students. The laboratories are well

equipped with latest equipment like 3D printer, Laser cutting machine, CNC machines, and softwares/simulation tools like Rational Rose, Oracle, NS2, MATLAB, LABView, ANSYS, AUTOCAD, Solidworks, Altair Inspire etc., to give hands on experience to satisfy industry needs. PCE has a fully-fledged language lab with the latest language tools that students can use to improve their English speaking and writing skills and learn new languages.

| File Description                      | Documents                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                           |
| Paste link for additional information | <a href="https://www.pce.ac.in/about/infrastructure-and-facilities/academic-infrastructure/">https://www.pce.ac.in/about/infrastructure-and-facilities/academic-infrastructure/</a> |

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

The institute has modern and futuristic facilities to instill an inclination for sports among the student community to qualify them to participate in various national and international level competitions. The institute has a full-time sports director to train, equip and guide students in various sports. The institute has indoor games facilities like air-conditioned sound proof six lanes Olympic level size shooting range with internationally approved rifles. It also has designated areas for games like Chess, Carrom and Table Tennis. Multipurpose Polyurethane outdoor sports complex with area 22m x 44m is built to play various sports like Volleyball, Basketball, Ball badminton, Handball and Futsal. In addition, a multipurpose ground measuring 211m x 94m designated with different courts for Football, Volleyball, Kho-Kho, Cricket, Kabaddi, Ball Badminton, Handball and running track fulfills most of the outdoor sports requirements. PCE has won many sports awards at University, State, National and International level. Regular Yoga sessions are organized for students and faculty members in association with TAPAS, the student chapter of the institute. The institute's gymnasium is equipped with facilities like treadmills, cross-trainer, recumbent bike, abdominal machine, dumbbells and gravity expansion and many others. PCE encourages students to participate in various co-curricular, extra-curricular, social and cultural activities by providing facilities like Auditorium, mini-auditorium, multiple open area theaters and conclaves. Many cultural events like Alegria, Uber-Rang, etc., are organized on campus. Alegria is the Mega Festival of Pillai college campus.

| File Description                      | Documents                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Geotagged pictures                    | <a href="#">View File</a>                                                                                                                                                           |
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                           |
| Paste link for additional information | <a href="https://www.pce.ac.in/about/infrastructure-and-facilities/academic-infrastructure/">https://www.pce.ac.in/about/infrastructure-and-facilities/academic-infrastructure/</a> |

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

**62**

| File Description                                                                          | Documents                 |
|-------------------------------------------------------------------------------------------|---------------------------|
| Upload any additional information                                                         | <a href="#">View File</a> |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | <a href="#">View File</a> |

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

**290.49141**

| File Description                                           | Documents                 |
|------------------------------------------------------------|---------------------------|
| Upload audited utilization statements                      | <a href="#">View File</a> |
| Details of Expenditure, excluding salary, during the years | <a href="#">View File</a> |
| Any additional information                                 | <b>No File Uploaded</b>   |

#### 4.2 - Library as a Learning Resource

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

**PCE library is automated using KOHA ILMS software in its daily activities. It is installed, configured, maintained and upgraded by the PCE library team on a regular basis. The Main reason for using KOHA ILMS software is that it is Open Source and internationally accepted. KOHA ILMS software is web-based software that can be accessed from anywhere in the world. KOHA is a fully featured, scalable library management system. In use worldwide, its**

development is steered by a growing community of users collaborating to achieve their technology goals. KOHA's feature set continues to evolve and expand to meet the needs of its user base. KOHA includes modules for acquisitions, circulation, cataloging, serial management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. KOHA will work for consortia of all sizes, multi-branch, and single-branch libraries. In-out management system is also integrated with koha, which fetches data from koha database and logs the patron visit to library digitally. It has two interfaces, one is for marking attendance at the door and another one is to access the reports. Book verification system is also integrated with koha to avoid theft of library resources.

The details of library description for PCE Integrated Library

Management System (ILMS) are mentioned below:

URL : <http://koha.mes.ac.in/>

URL : <http://opac.mes.ac.in/>

Year 2023-2024

ILMS Name Koha

Nature of automation Fully automated

Version 21.11.05

| File Description                      | Documents                                                   |
|---------------------------------------|-------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                   |
| Paste link for additional information | <a href="https://koha.mes.ac.in">https://koha.mes.ac.in</a> |

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

**A. Any 4 or more of the above**

| File Description                                                                        | Documents                 |
|-----------------------------------------------------------------------------------------|---------------------------|
| Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership | <a href="#">View File</a> |
| Upload any additional information                                                       | <a href="#">View File</a> |

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

**13.47**

| File Description                                                                                                     | Documents                 |
|----------------------------------------------------------------------------------------------------------------------|---------------------------|
| Audited statements of accounts                                                                                       | <a href="#">View File</a> |
| 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) | <a href="#">View File</a> |

#### 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

**205**

| File Description                                         | Documents                 |
|----------------------------------------------------------|---------------------------|
| Upload details of library usage by teachers and students | <a href="#">View File</a> |
| Any additional information                               | <a href="#">View File</a> |

#### 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

**IT infrastructure facilities are created taking into consideration the requirements of all the stakeholders. It includes: (a) Server: Institute has 7 high configuration servers such as ENTAB XEON, NPTEL XEON, MASTER XEON, DIGITAL LIBRARY XEON, ACCOUNTS XEON, and LMS. (b) High Performance Systems: CPU AMD Ryzen 5 5600X 3.7 GHz 6-Core Processor, Motherboard MSI MPG B550 Gaming Plus ATX AM4, GPU GeForce RTX 3060 Gaming X 12G, Memory Corsair Vengeance RGB Pro 32 GB DDR4-3600 CL16 Memory, and NVME SSD Crucial P1 1 TB M.2-2280 NVME**

SSD. (c) Computers are upgraded with i5 Processor, 16GB RAM and SSD (240GB) replacing traditional HDDs. d) Main Firewall: Cyberoam 2500, Router, Airtel Wi-Fi, CISCO Networking Switches, 1308 Computing Machines (i5 Processor) (e) Other peripherals: Institute has 91 printers, 71 projectors, 7 smart boards, 30 ChromeBook, 30 WEBCAMS. (f) Software: Six legal system software like Windows, Linux etc.

and 37 application softwares, Lantive software purchased for fully automated timetable construction & MATLAB purchased for technical computing. (g) Educational Annual ZOOM Licenses 30 Nos. (h) Internet and Wi-Fi: 250 Mbps bandwidth Security Arrangements: Cyberoam CR2500iNG - 10.6.5 Response: >=50 MBPS

| File Description                      | Documents                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                       |
| Paste link for additional information | <a href="https://www.pce.ac.in/about/infrastructure-and-facilities/it-facilities/">https://www.pce.ac.in/about/infrastructure-and-facilities/it-facilities/</a> |

#### 4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| <b>2611</b>        | <b>1269</b>         |

| File Description                  | Documents                 |
|-----------------------------------|---------------------------|
| Upload any additional information | <a href="#">View File</a> |

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

**A. 250 Mbps**

| File Description                                  | Documents                 |
|---------------------------------------------------|---------------------------|
| Details of bandwidth available in the Institution | <a href="#">View File</a> |
| Upload any additional information                 | <b>No File Uploaded</b>   |

**4.3.4 - Institution has facilities for e-content development:**

**Facilities available**

**A. All four of the above**

**for e-content development Media Centre  
Audio-Visual Centre Lecture Capturing  
System (LCS) Mixing equipments and  
software for editing**

| File Description                                             | Documents                                                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Upload any additional information                            | <a href="#">View File</a>                                                                             |
| Paste link for additional information                        | <a href="https://www.pce.ac.in/academics/e-learning/">https://www.pce.ac.in/academics/e-learning/</a> |
| List of facilities for e-content development (Data Template) | <a href="#">View File</a>                                                                             |

#### **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)**

**311.00449**

| File Description                  | Documents                 |
|-----------------------------------|---------------------------|
| Audited statements of accounts    | <a href="#">View File</a> |
| Upload any additional information | <b>No File Uploaded</b>   |

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.

**The college adopts best practices for scalable and sustainable implementation of all IT services. It provides computing and networking services such as desktops, Wi-Fi based internet to all departments, library and office.**

**Classrooms are ICT enabled and equipped with LCDs, whiteboards, WiFi/Broadband. Appropriate standards are followed for selection, purchase, setup and maintenance of all computing and networking equipment, the choice of protocols for stored and transmitted data security. In general, time tables, accession registers, schedules, dead stock registers, issue registers are maintained.**

**CCTVs are installed in the campus, common area, computer laboratories for surveillance. Civil, mechanical and electrical maintenance of the entire campus is carried out with proper planning. AMCs are in place for maintenance of Generators, UPS, Water Purifiers, Lifts, Air conditioners etc. General cleanliness of**

the entire campus is maintained by the housekeeping team.

Safety of personnel, buildings and equipment is ensured by periodic testing and maintenance of the fire protection system and equipment. Utilization and maintenance of gymnasium, playgrounds and all sports related equipment and its servicing are carried out under the supervision of Sports Director.

College has come up with strategic tie-ups with medical facilities and put protocols in place to deal with COVID challenges. Protocols defined by UGC for COVID care are followed as safety and precautionary majors

| File Description                      | Documents                                                                                                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                                                                       |
| Paste link for additional information | <a href="https://www.pce.ac.in/about/infrastructure-and-facilities/resource-management-and-infrastructure-policy/">https://www.pce.ac.in/about/infrastructure-and-facilities/resource-management-and-infrastructure-policy/</a> |

## 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

**1228**

| File Description                                                              | Documents                 |
|-------------------------------------------------------------------------------|---------------------------|
| Upload self-attested letters with the list of students receiving scholarships | <a href="#">View File</a> |
| Upload any additional information                                             | <a href="#">View File</a> |

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

**108**

| File Description                        | Documents                 |
|-----------------------------------------|---------------------------|
| Upload any additional information       | <a href="#">View File</a> |
| Institutional data in prescribed format | <a href="#">View File</a> |

**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                 | <a href="https://www.pce.ac.in/students/get-career-ready/value-added-certificate-programs/">https://www.pce.ac.in/students/get-career-ready/value-added-certificate-programs/</a> |
| Details of capability development and schemes | <a href="#">View File</a>                                                                                                                                                         |
| Any additional information                    | <a href="#">View File</a>                                                                                                                                                         |

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

**3531**

| File Description                                                                                                            | Documents                 |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Any additional information                                                                                                  | <a href="#">View File</a> |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | <a href="#">View File</a> |

**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**

**A. All of the above**

| <b>committees</b>                                                                                                                                                                                                      |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| File Description                                                                                                                                                                                                       | Documents                 |
| Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee                                                                               | <a href="#">View File</a> |
| Details of student grievances including sexual harassment and ragging cases                                                                                                                                            | <a href="#">View File</a> |
| Upload any additional information                                                                                                                                                                                      | <a href="#">View File</a> |
| <b>5.2 - Student Progression</b>                                                                                                                                                                                       |                           |
| <b>5.2.1 - Number of outgoing students who got placement during the year</b>                                                                                                                                           |                           |
| <b>135</b>                                                                                                                                                                                                             |                           |
| File Description                                                                                                                                                                                                       | Documents                 |
| Self-attested list of students placed                                                                                                                                                                                  | <a href="#">View File</a> |
| Upload any additional information                                                                                                                                                                                      | <a href="#">View File</a> |
| <b>5.2.2 - Number of outgoing students progressing to higher education</b>                                                                                                                                             |                           |
| <b>35</b>                                                                                                                                                                                                              |                           |
| File Description                                                                                                                                                                                                       | Documents                 |
| Upload supporting data for students/alumni                                                                                                                                                                             | <a href="#">View File</a> |
| Details of students who went for higher education                                                                                                                                                                      | <a href="#">View File</a> |
| Any additional information                                                                                                                                                                                             | <a href="#">View File</a> |
| <b>5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year</b>                                                                                                      |                           |
| <b>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</b> |                           |
| <b>82</b>                                                                                                                                                                                                              |                           |

| File Description                           | Documents                 |
|--------------------------------------------|---------------------------|
| Upload supporting data for students/alumni | <a href="#">View File</a> |
| Any additional information                 | <a href="#">View File</a> |

### 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**

**5**

| File Description                           | Documents                 |
|--------------------------------------------|---------------------------|
| e-copies of award letters and certificates | <a href="#">View File</a> |
| Any additional information                 | <a href="#">View File</a> |

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

**A council of students at the helm of student affairs is one that looks to bind everyone together and move onwards & upwards, together.**

**Under the guidance of faculty advisors and the Principal, the PCE Student Council is responsible for conducting technical, cultural, social and sports events.**

**Events organized by Student Council 2023-24 are: Women's Day Celebration, Teachers' day celebration, Cultural Days, Auditions for Youth Festival, Freshers' Day and Student Council Felicitation, Shivaji Maharaj Jayanti, Convocation - Batch 2023, Farewell - Batch of 2023.**

**Alegria 2024:**

**The most celebrated college festival of Navi Mumbai just considering the reach it has over the years is remarkable.**

**We conducted various events like, Women's Day Celebration, Freshers and Student Council Felicitation, Shivaji Maharaj Jayanti, Traditional Day, Cultural Days, Farewell - Class of 2023.**

Apart from the student council, PCE has various student chapters like CSI, IEEE, ISHRAE, ETSA, SWE PCE, SAE PCE, AESA-MESA, Hyperion Racing, Spark Racing team, Vanguard Racing team, TAPAS, TPC, etc. All the student bodies are involved in organizing activities under the guidance of the faculty coordinators.

Students represent following academic and administrative bodies in the college:

- 1) College Development Committee
- 2) Internal Quality Assurance Cell
- 3) Anti Ragging Committee
- 4) Internal Complaint Committee
- 5) Prevention of Atrocities to SC/ST Committee
- 6) Student Activities Committee
- 7) Training and Placement Committee
- 8) Canteen Committee

| File Description                      | Documents                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                     |
| Paste link for additional information | <a href="https://www.pce.ac.in/students/student-council/">https://www.pce.ac.in/students/student-council/</a> |

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

**20**

| File Description                                                     | Documents                 |
|----------------------------------------------------------------------|---------------------------|
| Report of the event                                                  | <a href="#">View File</a> |
| List of sports and cultural events / competitions organised per year | <a href="#">View File</a> |
| Upload any additional information                                    | <a href="#">View File</a> |

### 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

The Alumni Association of PCE was formed in September 2012, named as "Pillai Institute of Information Technology Media Studies and Research Alumni Association". Some of the PCE focus areas with regards to its alumni are:

? Internship Evaluation - Few alumni were appointed as an examiner for semester VIII internship evaluation.

? Career Guidance - Alumni is a huge talent pool whose guidance can be beneficial to many students and other fellow-alumni in their respective areas of study. Even in this pandemic situation, the Alumni association conducted several online workshops and webinars.

? Alumni Workshops and Seminars - Alumni regularly conduct workshops and seminars for the students of various departments. The college provides funding for such events either through student groups or through student activities funds.

? MES Alumni Registration - PCE, through MES, provides a uniform platform for all its alumni to register on alumni.mes.ac.in. PCE also has its own alumni committee and registered organization which manages the day to day activities and financial aspects of the PCE alumni community.

? Continuing Education - PCE offers many add on and certificate courses that are offered to alumni at discounted rates. In partnership with our college, SAP also provides global certification courses to its students at an affordable rate.

| File Description                      | Documents                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                               |
| Paste link for additional Information | <a href="https://www.pce.ac.in/alumni/alumni-contribution-engagement/">https://www.pce.ac.in/alumni/alumni-contribution-engagement/</a> |

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

| File Description                  | Documents                 |
|-----------------------------------|---------------------------|
| Upload any additional information | <a href="#">View File</a> |

**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

Pillai College of Engineering is committed to provide intellectual, social, cultural, economic and technological benefits to communities through programs of education, research, training & extension. The commitment is supported by the management of the institute, which provides planning, strategy, reporting and improvement process in academic/administrative activities of the institute. PCE has clearly defined vision and mission that is in line with the institute's vision of making responsible technical professionals with the help of trained and dedicated teachers. PCE has articulated broad institutional goals through which will not only develop professional engineers having respect for the environment and nation but also will contribute to technological development both from an Indian and global perspective. The institute takes a 360 view of the development of itself and all its stakeholders. There is a feedback system which seeks feedback from students, employers, alumni & parents to develop and evaluate teaching and learning pedagogy, curriculum design, social outreach initiatives & industry oriented programmes. Almost every faculty is a member of various committees for ensuring value addition and overall development of students. The faculty appraisal system, feedback mechanism, transparency in decision making, policy framing, knowledge sharing and action implementations help to enhance the governance of the institute.

| File Description                      | Documents                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                   |
| Paste link for additional Information | <a href="https://www.pce.ac.in/academics/stakeholders-feedback/">https://www.pce.ac.in/academics/stakeholders-feedback/</a> |

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

PCE promotes and practices decentralization in all academic and administrative activities, it has various academic and administrative committees to monitor, plan, and execute the smooth functioning of the Institute. PCE encourages its staff's participative and proactive approach for the institute's development. Ideas collected from all the stakeholders are valued

and implemented for better and effective functioning of the institute. PCE always encourages faculty members to set up their subject-specific labs through a proposal.

#### Case Study on Setting up Electric Vehicle Battery Testing and Research Lab :

Electric vehicles are here to stay as environment-friendly, powerful counterparts to Combustion Vehicles. This requires the up-skilling of current Automobile engineers and other branch engineers in Electric Vehicle technology. We are offering an Electric Vehicle specialization program to our Undergraduate students. The lab will provide students an opportunity to manufacture their own battery packs and test them physically and also using Digital Twin. The proposal was drafted by a subject teacher and the same was presented to the Principal and Management of the Institute. The management granted the permission and it was also decided to setup Centre of excellence in EV technology at PCE in coming years.

| File Description                                              | Documents                                                                                                         |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Upload strategic plan and deployment documents on the website | <a href="#">View File</a>                                                                                         |
| Upload any additional information                             | <a href="#">View File</a>                                                                                         |
| Paste link for additional Information                         | <a href="https://www.pce.ac.in/about/institute-organogram/">https://www.pce.ac.in/about/institute-organogram/</a> |

## 6.2 - Strategy Development and Deployment

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

Pillai College of Engineering was established in 1999 and since 2004 has developed a perspective plan every five years starting from the year 2004, then in 2009, 2014 and the latest one in 2019. Each plan is developed by the Principal, representatives of the Board of Governors, the heads of the various departments and a member of the non-teaching staff. The plan lays out the goals of the institute for the upcoming five years, by thoroughly analyzing the previous plans and listing out their successes as well as analyzing the challenges still faced by the institute. It also lists out the strategies to achieve every goal of the institute. To improve teaching learning process, it was decided to conduct Internal & external academic audits of all departments. Accordingly the audits were conducted for

all the departments .The internal audit was conducted by 2 pair of Heads from other department and senior faculty members from outside University were invited to complete the external audit.We received encouraging feedback from all the external auditors and this will definitely help in improving the UG & PG Programs at PCE.

| File Description                                       | Documents                                                                                                                                                                           |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Plan and deployment documents on the website | <a href="#">View File</a>                                                                                                                                                           |
| Paste link for additional information                  | <a href="https://www.pce.ac.in/academics/other-programs/add-on-courses/value-added-courses/">https://www.pce.ac.in/academics/other-programs/add-on-courses/value-added-courses/</a> |
| Upload any additional information                      | <a href="#">View File</a>                                                                                                                                                           |

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.

The Institute is managed by the Board of Governance, constituted as per the guidelines stipulated by AICTE. The members of the BoG discuss and decide policies and action plans for fulfillment of the stated Mission.

PCE has decentralized its operations and has delegated authority at various levels to ensure good governance. As per Organogram, the Principal takes guidance, directions and approvals from the Board of Governance for various academic and administrative activities of the Institute. The Principal is the academic & administrative head who monitors the overall functioning and has powers for academic, administrative, finance and institute's growth.

The Institute has IQAC and College Development Committee (CDC) working under Principal for strengthening the academic quality. These committees advise the principal and the authorities above him on various quality initiatives that need to be undertaken by the institute. Principal interacts directly with HoDs, Dean R & D, Examination Cell, Placement Cell, Registrar, Librarian and Student Council for conduction of various activities in the department/ Institute.An example of this is starting with Support for Research and Development Activity(SRDA) and UGRDP Scheme to promote R&D culture amongst students and involve UG students in Research projects.

| File Description                                    | Documents                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Paste link to Organogram on the institution webpage | <a href="https://www.pce.ac.in/about/institute-organogram/">https://www.pce.ac.in/about/institute-organogram/</a> |
| Upload any additional information                   | <a href="#">View File</a>                                                                                         |
| Paste link for additional Information               | <a href="https://www.pce.ac.in/faculty/faculty-handbook/">https://www.pce.ac.in/faculty/faculty-handbook/</a>     |

### 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                      | No File Uploaded          |
| Screen shots of user interfaces                                 | <a href="#">View File</a> |
| Details of implementation of e-governance in areas of operation | <a href="#">View File</a> |
| Any additional information                                      | <a href="#">View File</a> |

## 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

Institute understands that faculty is the backbone of the educational system. Therefore the skill sets and the core competency of faculty are required to be upgraded on a regular basis. The Institute encourages faculty and staff members for acquiring the latest skills by supporting them to attend various programs and has a sponsorship fee reimbursement scheme for STTP/Workshop/Training/Professional Membership. The institute also reimburses travel costs for faculty for traveling to conferences outside of Mumbai.

The Institute facilitates various soft-skills training programs for teaching and non-teaching staff members. The Institute recognizes the need for continuous qualification upgradation. The institute motivates and supports faculty members financially to acquire higher degrees from renowned and accredited Universities.

**Welfare Schemes for Teaching Staff are: Credit Cooperative Society, Maternity Leave, EPF, Gratuity, and Travel Grants for attending International Conferences in India and Abroad, Permission for Qualification Upgradation.**

**Welfare Schemes for Non-Teaching Staff are: Credit Cooperative Society, Maternity Leave PF, Gratuity, and Permission for Qualification upgradation.**

**Welfare Schemes for Students are: Scholarships (Full and Partial) Government and Institute level, Support for Students co curricular Activities, Finance for Racing Car teams (Hyperion, SPARK, Vanguard) and also for students' projects, Student Project Funding.**

| File Description                      | Documents                                                                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                                                   |
| Paste link for additional information | <a href="https://www.pce.ac.in/faculty/faculty-development-schemes/#1562997251488-83705190-9f83">https://www.pce.ac.in/faculty/faculty-development-schemes/#1562997251488-83705190-9f83</a> |

**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**

**27**

| File Description                                                                                                        | Documents                 |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Upload any additional information                                                                                       | <a href="#">View File</a> |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | <a href="#">View File</a> |

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

**10**

| File Description                                                                           | Documents                 |
|--------------------------------------------------------------------------------------------|---------------------------|
| Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres) | <a href="#">View File</a> |
| Upload any additional information                                                          | <a href="#">View File</a> |

#### 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.)

89

| File Description                                                                      | Documents                 |
|---------------------------------------------------------------------------------------|---------------------------|
| Summary of the IQAC report                                                            | <a href="#">View File</a> |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centers) | <a href="#">View File</a> |
| Upload any additional information                                                     | <a href="#">View File</a> |

#### 6.4 - Financial Management and Resource Mobilization

##### 6.4.1 - Institution conducts internal and external financial audits regularly

**Internal Audit:** The Mahatma Education Society, parent body of the institution appoints internal and external auditors annually. The audited accounts of PCE are annually scrutinized by the Shikshan Shulk Samiti (Fee regulating body) of the Directorate of Technical Education (DTE), Government of Maharashtra. Auditing processes of PCE take place in two stages namely, Internal audit and External Audit. The Internal audit is carried out by CA Susanna Cherian. The Internal auditor is in regular contact with the accounts department for guidance, regular observation of operations of Accounts department. PCE is proud that no audit objection has ever been reported in its 20 years of existence.

**External Audit:** The external auditors are Mr. Y.S. Muzumdar Co. The auditors are re-appointed by the Governing body each year. Most of the transactions are in non-cash mode and are done using Tally ERP 9 Software. The accounting processes and practices are meticulous and carried out scrupulously by capable people. Regular monitoring of fund flow helps to monitor the financial health of the college and also helps in timely meeting of financial commitments to all debtors

and all payment of salaries on time to its employees. PCE has always been a financially prudent institution.

| File Description                      | Documents                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                       |
| Paste link for additional information | <a href="https://www.pce.ac.in/about/mandatory-disclosure/university-affiliation/">https://www.pce.ac.in/about/mandatory-disclosure/university-affiliation/</a> |

#### 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)

**5.91175**

| File Description                                                                                            | Documents                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------|
| Annual statements of accounts                                                                               | <a href="#">View File</a> |
| Details of funds / grants received from non-government bodies, individuals, philanthropists during the year | <a href="#">View File</a> |
| Any additional information                                                                                  | <a href="#">View File</a> |

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

PCE is a linguistic minority institution. Therefore, the funding required for running the college is mostly self-generated. The institute's budget is the primary instrument of fiscal control and, accordingly, contains all projected revenues and expenditures of the administrative and academic programs. In general, salaries of teaching, non-teaching and administrative staff are fixed as per their qualifications and experience and are notified separately by the management of the institute. Also examinations are conducted as per the examination policy of the university and exam fees are charged separately from the students. The fees approved by the Shikshan Shulk Samiti (FRA) of the Directorate of Technical Education, Government of Maharashtra, that the students pay is the main source of funds for the operational purpose.

Keeping in mind the academic calendar of the institute we allow various agencies to utilize our well equipped laboratories, class rooms and all other infrastructures for conducting various

examinations, conferences and seminars which generates additional funds. The institute has Policy for budget and it is mentioned in Faculty and Staff Handbook.

| File Description                      | Documents                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                   |
| Paste link for additional Information | <a href="https://www.pce.ac.in/about/mandatory-disclosure/pce-handbook/">https://www.pce.ac.in/about/mandatory-disclosure/pce-handbook/</a> |

## 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)

At PCE, fostering excellence and continuous improvement is central to our academic and research mission. The Internal Quality Assurance Cell (IQAC) has introduced initiatives like structured academic audits and R&D funding support to ensure quality, innovation, and empowerment for students and faculty.

Academic Audits to Enhance Quality Assurance During the academic year 2023-24, IQAC implemented a structured academic audit process to evaluate departmental performance. Internal audits were conducted within departments at the end of each semester, focusing on self-assessment and peer evaluation. External audits, held annually, involved senior academicians from renowned universities across India for unbiased evaluation. Key areas assessed include curriculum quality, teaching-learning processes, and faculty and student achievements in academics and research. SWOT analyses were conducted for all departments, with findings shared during exit meetings to ensure transparency and actionable feedback. This initiative has strengthened PCE's quality assurance strategies by enhancing accountability and addressing improvement areas effectively.

Initiative for R&D Funding Support To nurture a research-driven culture, the IQAC, in collaboration with the Dean R&D, launched funding schemes complementing the ongoing "Support for Co-Curricular Activities" initiative:

1. Support for R&D Activities (SRDA): ₹12.0 Lakhs allocated to support innovative student and faculty projects.

## 2. Undergraduate Research Opportunity Program (GROUP): ₹5.0 Lakhs earmarked for research internships under faculty mentorship.

These initiatives have been well-received, fostering enthusiasm among students and faculty while advancing PCE's commitment to academic and research excellence.

| File Description                      | Documents                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                           |
| Paste link for additional information | <a href="https://www.pce.ac.in/students/funds-for-students/">https://www.pce.ac.in/students/funds-for-students/</a> |

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

The implementation of structured academic audits during the academic year 2023-24 has significantly strengthened the quality assurance processes at Pillai College of Engineering (PCE). These audits, by reviewing departmental performance, have fostered accountability, transparency, and continuous improvement. Key outcomes include improved curriculum alignment with industry needs and the development of clear action plans through SWOT analysis. The audits have institutionalized a culture of self-assessment and external evaluation, enhancing PCE's academic reputation and student satisfaction.

A semester-long, credit-based internship program was successfully completed by 706 final-year Engineering students across various disciplines of PCE. The internships provided hands-on experience, bridging the gap between academic learning and industry practices. Students interned with renowned organizations such as L&T, Bosch, JSW, Godrej & Boyce, Tata Motors, Maruti Suzuki, BARC, Reliance IT, Newgen Software, Qspider, Sciative Solutions, CtrlS, Vodafone Idea, HDFC, Voltas, Disney Star, Hewlett Packard, LG Electronics, and many others. The program offered numerous benefits, including real-time industry exposure, enhanced technical and professional skills, improved communication, stronger networking opportunities, and greater clarity in career goals, effectively preparing students for their future careers.

incremental improvements in A.Y. 23-24 include:

**1. Signing of 7 new MOUs with industries, facilitating internships and placements.**

**2. Four PCE research scholars completed their PhD programs**

**3. one student secured a prestigious Flipkart placement with a CTC of 32 LPA.**

**4. Faculty and students filed over 15 patents and published 90+ research papers in esteemed journals and Conferences .**

**5. 35 students were admitted to foreign universities for higher studies.**

| File Description                      | Documents                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                     |
| Paste link for additional information | <a href="https://www.pce.ac.in/students/credit-based-internship-program/">https://www.pce.ac.in/students/credit-based-internship-program/</a> |

**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            | <a href="https://www.pce.ac.in/iqac/annual-reports/#1701255715537-5c908665-64d8">https://www.pce.ac.in/iqac/annual-reports/#1701255715537-5c908665-64d8</a> |
| Upload e-copies of accreditations and certification                | <a href="#">View File</a>                                                                                                                                   |
| Upload details of quality assurance initiatives of the institution | <a href="#">View File</a>                                                                                                                                   |
| Upload any additional information                                  | <b>No File Uploaded</b>                                                                                                                                     |

**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**

PCE's has the leading priorities like gender equality and women's empowerment. PCE constantly strive to promote gender equity and bring about positive attitude change. We have Mentor Mentee Program in our institute. Every student at the institute has a mentor who guides the students to excel in students matters. We also have a full-time counsellor who is accessible to help students with problems relating to their personal and social lives or who can provide them with psychiatric counselling if necessary. STEM Outreach Activities on the occasion of Women's Day is done every year in the campus for the woman staff and students. About half of the institute's employees are women. Girls get access to a separate common room at the institute. On May 13, 2021, SWE PCE Affiliate was put into place. The objectives, guiding principles, and advantages of the Society of Women Engineers were briefly explained to the participants. Various mentoring sessions are carried out under the body. CCTV monitoring is installed to ensure the safety of the female employees in the campus. The Internal Complaints Committee was established in the institution to address the concerns voiced by female students and maintain a safe environment for them.

| File Description                      | Documents                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload any additional information     | <a href="#">View File</a>                                                                                                                                           |
| Paste link for additional Information | <a href="https://www.pce.ac.in/students/student-activities/student-associations/swe">https://www.pce.ac.in/students/student-activities/student-associations/swe</a> |

**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**

**A. Any 4 or All of the above**

| File Description               | Documents                 |
|--------------------------------|---------------------------|
| Geotagged Photographs          | <a href="#">View File</a> |
| Any other relevant information | <a href="#">View File</a> |

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)

Managing, discarding, recycling, or disposing of unwanted materials contributes to maintaining a clean environment. With this in mind, Pillai College of Engineering has implemented the use of designated trash cans to segregate waste at the source: green bins are used for organic waste, while blue bins are for non-biodegradable waste. Municipal workers handle the collection, and all organic waste from the canteen and garden is recycled into high-quality compost, which is then utilized for indoor gardening. This process is carried out at the campus composting facility. The institute also recycles non-potable water for purposes such as toilet flushing and plant irrigation, and it actively harvests rainwater. Outdated and non-functional electronic devices are donated for recycling, while new equipment is regularly purchased in compliance with environmental protection standards and energy consumption guidelines. Efforts to reduce electronic waste include reusing electronic components and conducting regular maintenance. Additionally, in collaboration with Reliance India Ltd., a Biocrux plastic bottle recycling machine has been installed on the Pillai College campus. Plastic bottles are shredded by the machine into small pieces, which are then recycled into products such as bags and t-shirts.

| File Description                                                                    | Documents                 |
|-------------------------------------------------------------------------------------|---------------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | <a href="#">View File</a> |
| Geotagged photographs of the facilities                                             | <a href="#">View File</a> |
| 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**

**A. Any 4 or all of the above**

| File Description                                 | Documents                 |
|--------------------------------------------------|---------------------------|
| Geotagged photographs / videos of the facilities | <a href="#">View File</a> |
| Any other relevant information                   | <a href="#">View File</a> |

**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**

**A. Any 4 or All of the above**

| File Description                                                   | Documents                 |
|--------------------------------------------------------------------|---------------------------|
| Geotagged photos / videos of the facilities                        | <a href="#">View File</a> |
| Various policy documents / decisions circulated for implementation | <a href="#">View File</a> |
| Any other relevant documents                                       | <a href="#">View File</a> |

**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**

**A. Any 4 or all of the above**

| File Description                                                          | Documents                 |
|---------------------------------------------------------------------------|---------------------------|
| Reports on environment and energy audits submitted by the auditing agency | <a href="#">View File</a> |
| Certification by the auditing agency                                      | <a href="#">View File</a> |
| Certificates of the awards received                                       | No File Uploaded          |
| Any other relevant information                                            | <a href="#">View File</a> |

**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.**

**A. Any 4 or all of the above**

| File Description                                             | Documents                 |
|--------------------------------------------------------------|---------------------------|
| Geotagged photographs / videos of facilities                 | <a href="#">View File</a> |
| Policy documents and brochures on the support to be provided | <a href="#">View File</a> |
| Details of the software procured for providing assistance    | <a href="#">View File</a> |
| 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).**

**In the realm of education and the growth of India, every individual and community play a significant role. On this view, a Malayalam Linguistic Minority's Pillai College of Engineering (PCE) supports both the education and development of India by building students experiential learning with high technical and moral values. The PCE provides resources that ensures smooth operation and opportunities to bridge the gap between classroom learning and real-world**

applications. The PCE administrators consistently manage a safe and effective learning environment for both staff and students and also celebrate various events and festivals every year to help underprivileged children and elderly individuals. The NSS-PCE conducted more than 40 activities such as Environmental Rally, Responsible Packaging, Organ Donation, Skit, E-waste Collection Drive, Fit India Swatch Run 4.0, Best from Waste, Health Checkup Camp, Community Service Day, Awareness Skit on Good Touch and Bad Touch, Environmental Day, Blood Donation Camp, Constitution Day Celebration, World Aids Day, Disaster Management Workshop, Voter Pledge, Yoga Week, Festival Democracy, Personality-development for Girls, Convocation Ceremony, etc. The academic year 2023-24 has become a third normal routine year after the pandemic, which improved peer's interaction and involvement in the activities under the norms and guidelines of government.

| File Description                                                                                                                 | Documents                 |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | <a href="#">View File</a> |

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

The institute offers an assortment of courses to teach students about human values, including webinars, workshops and some filed work like Environmental Rally, Cleanliness drive and skit play, E-waste collection drive, Fit India swatch Run 4.0, De-Addiction Rally and skit play, Tree plantation, Voters Registration, Adopted Village Survey, Awareness skit good touch and bad touch and many more. On April 29, 2023, NSAS organized an Environmental Rally to raise awareness about environmental issues. The event featured street plays and skits highlighting the adverse effects of environmental degradation and the need for collective action. This was followed by a two-day conference on Responsible Packaging on June 8-9, 2023, which attracted industry experts, policymakers, and environmentalists. On November 1, 2023, a poster-making competition on organ donation was held, fostering creativity in promoting social change. The same day, an Organ Donation Awareness Program on the life-saving impact of organ donation. Also the "Bappa Maza Paryavarnacha Raja" initiative, held on November 28-29, 2023. Additionally, on January 26, 2024, an Adopted Village Survey was conducted by NSS, providing valuable insights into the socio-economic conditions of the community. An awareness skit on good

**touch and bad touch was also held to educate on personal safety.**

| File Description                                                                                      | Documents                 |
|-------------------------------------------------------------------------------------------------------|---------------------------|
| Details of activities that inculcate values necessary to transform students into responsible citizens | <a href="#">View File</a> |
| Any other relevant information                                                                        | <a href="#">View File</a> |

**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**

**A. All of the above**

| File Description                                                                                                                                                                       | Documents                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Code of Ethics - policy document                                                                                                                                                       | <a href="#">View File</a> |
| 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 | <a href="#">View File</a> |
| Any other relevant information                                                                                                                                                         | <a href="#">View File</a> |

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

**PCE successfully celebrated all national and international commemorative days, events, and festivals entirely in offline mode. The celebrations included national holidays such as Independence Day and Republic Day, commemorative days like Teacher's Day, Engineer's Day, and International Women's Day, as well as festivals like Dussehra. The return to in-person celebrations this year was met with enthusiasm by all. India, as a multi-cultural nation, embraces a strong spirit of festivity and celebration. These events served as a reminder of our rich history and the immense potential we possess as a nation. The cultural programs organized as part of the**

celebrations provided a refreshing break from routine academic activities and offered an opportunity to rejuvenate for the academic challenges ahead. Numerous staff members and students showcased their extracurricular talents, with significant effort contributed by many to ensure the success of these events. Such functions play a crucial role in fostering the culture of the institute, strengthening the bonds between staff and students, and enhancing the sense of community.

| File Description                                                               | Documents                 |
|--------------------------------------------------------------------------------|---------------------------|
| Annual report of the celebrations and commemorative events for during the year | <a href="#">View File</a> |
| Geotagged photographs of some of the events                                    | No File Uploaded          |
| Any other relevant information                                                 | <a href="#">View File</a> |

## 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

### Practice 1: Funding Opportunities for Students

**Objective** To empower students by promoting academic excellence, research skills, and holistic development through financial support for curricular and co-curricular activities.

**The Context** Financial assistance, mentorship, and research opportunities help address barriers to academic and personal growth.

**The Practice** Key initiatives include:

- **UGROP:** ₹5 Lakhs allocated for undergraduate research.
- **Research and Development Support:** ₹12 Lakhs allocated for projects.
- **Co-curricular Activities:** ₹10 Lakhs allocated for participation.

**Evidence of Success** Two students benefited from UGROP, with eight faculty mentors securing grants. Car racing teams received support to compete nationally.

**Challenges** Fair allocation, committee formation, and outcome tracking remain critical.

## **Practice 2 :Embracing Practical-Based Assessment Strategies**

**Objective** To implement assessment methods that foster experiential learning, holistic growth, and cultural understanding in optional, cultural, and holistic development courses.

**The Context** Replacing traditional exams with practical assessments such as projects and presentations encourages skill development, creativity, and hands-on learning for real-world applications.

**The Practice** End-semester exams were replaced with mini projects, presentations, and app development tasks. These activities, completed individually or in groups, focus on innovation, creativity, and practical application.

**Evidence of Success** Applied successfully in courses like E-Commerce, Maintenance of Equipment, Biomaterials, Cooking & Nutrition, Visual Arts, and Indian Knowledge Systems.

**Challenges** Managing diverse projects, ensuring resources, and standardizing evaluation.

| File Description                            | Documents                                                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Best practices in the Institutional website | <a href="https://www.pce.ac.in/iqac/institutional-values-and-best-practices/">https://www.pce.ac.in/iqac/institutional-values-and-best-practices/</a> |
| Any other relevant information              | <a href="https://www.pce.ac.in/students/funds-for-students/">https://www.pce.ac.in/students/funds-for-students/</a>                                   |

## **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)

The institute offers a semester-long credit-based internship program designed to bridge academic learning and real-world experience. This initiative allows students to intern in diverse domains such as industry, startups, research organizations/labs, and in-house projects. The program is implemented through a well-structured framework that includes:

- Formation of a policy document to guide the process.
- Allocation of internal and external mentors for effective guidance.
- Weekly review meetings and continuous evaluation to monitor progress.
- Mock presentations to prepare students for real-world scenarios.
- Post-internship technology surveys to analyze industry trends.
- Integration with curriculum development and value-added courses for skill enhancement.
- Awareness programs to prepare students for internships.
- Engagement of alumni as evaluators for added expertise.

This holistic approach ensures students gain hands-on experience, develop problem-solving skills, and adapt to professional environments. The program has led to significant improvements in student placements, fostered entrepreneurial mindsets, and encouraged many students to pursue higher studies, establishing the institute as a hub for innovation and career development.

| File Description                              | Documents                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Appropriate link in the institutional website | <a href="https://www.pce.ac.in/iqac/institutional-distinctiveness/">https://www.pce.ac.in/iqac/institutional-distinctiveness/</a> |
| Any other relevant information                | <a href="#">View File</a>                                                                                                         |

### 7.3.2 - Plan of action for the next academic year

The institute has devised a structured plan to implement best practices aimed at fostering academic excellence, holistic development, and social responsibility. The key initiatives include:

1. **Question Paper Audit:** Regular auditing of question papers ensures alignment with course objectives, coverage of the syllabus, and the inclusion of application-based, analytical, and critical thinking questions. This practice enhances the overall quality of assessments and ensures fairness and

transparency.

2. **Multi-Institutional Electives:** Introducing electives in collaboration with multiple institutions provides students access to diverse academic resources and expertise. This promotes interdisciplinary learning, enriches the curriculum, and broadens career opportunities.
3. **Multilingual Content Development:** Developing educational content in multiple languages fosters inclusivity and caters to a diverse student demographic. It aids in bridging language barriers, enhancing comprehension, and promoting equitable access to knowledge.
4. **Enhancing Universal Human Values through NSS Activities:** By increasing National Service Scheme (NSS) activities, the institute instills values such as empathy, teamwork, and social responsibility in students. Participation in community service projects nurtures civic engagement and strengthens their commitment to societal well-being.

Through these best practices, the institute aims to elevate the quality of education, enhance students' global and local competencies, and create well-rounded, socially conscious individuals.