



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		Pillai HOC College of Engineering and Technology
• Name of the Head of the institution		Dr. Jagdish W. Bakal
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		02192669000
• Mobile No:		9820723812
• Registered e-mail		principal.phcet@mes.ac.in
• Alternate e-mail		jwbakal@mes.ac.in
• Address		Pillai HOCL Educational Campus, HOCL Colony, Rasayani, Tal. Khalapur
• City/Town		Dist. Raigad
• State/UT		Maharashtra
• Pin Code		410207
2.Institutional status		
• Affiliated / Constitution Colleges		Affiliated
• Type of Institution		Co-education
• Location		Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	University of Mumbai				
• Name of the IQAC Coordinator	Dr. Mansi Subhedar				
• Phone No.	02192669000				
• Alternate phone No.	02192669002				
• Mobile	9867967304				
• IQAC e-mail address	iqac.phcet@mes.ac.in				
• Alternate e-mail address	mshubhedar@mes.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://phcet.ac.in/iqac/phcet-iqac/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://phcet.ac.in/students/academic-calendar/term-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.03	2019	28/03/2019	27/03/2024
Cycle 2	A+	3.39	2024	22/06/2024	21/06/2029
6.Date of Establishment of IQAC			02/07/2018		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutional 1	IIC Regional Meet 2023	AICTE	December 2023	350000
Institutional 1	Mentor - Mentee Program for IIC institutions 2023-24	AICTE	February 2024	225000
Institutional 1	Innovation, Design and Entrepreneurship (IDE) Bootcamp for Student Innovators and Teachers of Schools	AICTE	April 2024	1269000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes		
Upload latest notification of formation of IQAC	View File		
9. No. of IQAC meetings held during the year	3		
Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes		
If No, please upload the minutes of the meeting(s) and Action Taken Report	View File		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No		
If yes, mention the amount			

11. Significant contributions made by IQAC during the current year (maximum five bullets)
Submission of SSR for NAAC 2nd Cycle and accredited with A+ grade
NBA Accreditation of all eligible UG Programs (Civil, Computer, IT and Mechanical Engineering)
Submission of NIRF application, ISO 9000:2015 and ISO 21001:2018 certification, Conduction of Academic and Administrative audit (AAA)
Improvement in IIC Rating and received funding of Rs 18.44 Lakhs from AICTE MIC to host IIC regional meet, Innovation, Design and Entrepreneurship (IDE) Bootcamp and Mentor-Mentee Program
Internal and external financial audits, Audits for electrical safety, green audits and Energy audits, Registration for Unnat Bharat Abhiyan, Conducted Hackathon hosted by the Department of Computer Engineering
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Apply for NAAC 2nd Cycle Accreditation	PHCET got NAAC accreditation in 2nd Cycle with A+ Grade
Apply for NBA for eligible UG Programs	Eligible UG Programs Civil, Computer, IT and Mechanical Engineering got NBA accredited upto June 2026
Obtain funding to enhance innovation and entrepreneurship culture and conduct national level activities	PHCET IIC received funding of Rs. 18.44 Lakhs from AICTE, MIC to host IIC regional meet, Innovation, Design and Entrepreneurship (IDE) Bootcamp and Mentor Mentee Program
For quality assurance conduct ISO audit	PHCET got ISO 9000:2015 and ISO 21001:2018 certified
To participate in NIRF	NIRF application was successfully submitted
To conduct internal and external financial audit	Internal and external financial audits were conducted.
To enhance research and innovation activities	Faculty submitted proposals under various schemes of AICTE, DST, ICSSR. Patent applications were submitted under KAPILA Scheme for financial assistance, IDEAs were submitted for YUKTI Innovation Design Challenge 2023
To strengthen innovation ecosystem	In A.Y. 2023-24, 13 patents were Published and 9 patents were granted
13. Whether the AQAR was placed before statutory body?	Yes
Name of the statutory body	
Name	Date of meeting(s)
IQAC	30/05/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	09/02/2024

15. Multidisciplinary / interdisciplinary

The Institute is affiliated with the University of Mumbai and follows the curriculum prescribed by the University. Multidisciplinary and interdisciplinary courses have been integrated into the curriculum by the University for Holistic Development. Academic programs are redesigned to include Multidisciplinary / Interdisciplinary courses as institute-level optional courses. The institute provides electives to the Final year students in both semesters referred to Institute level optional courses in various interdisciplinary domains like environment management, Cyber security, Law, Product Lifecycle Management, etc to name a few. The department-level electives also provide interdisciplinary courses in the third and final year of engineering. Following the NEP, the Honors and Minor degree program is introduced to facilitate the students to choose additional specialized courses in the emerging areas of their choice and build their competence in different domains. The institute is also offering Minors and Honors programs in emerging fields including AI & ML, Data Science, Cyber Security, IoT, Blockchain, etc., as per the guidelines of the University of Mumbai, wherein students can opt for various courses of their Interest in addition to their core branch of studies. This enables the students to acquire knowledge, skills, attitudes, and values of other disciplines and enhances their learning in a wider spectrum. The institute also has an active National Service Scheme unit that regularly undertakes socio-cultural activities. During summer and winter vacations Institute offers various valueadded courses from the different domains of engineering that support multidisciplinary/interdisciplinary education. Students regularly participate in various competitions at the state and national level, Final year projects which include Hackathon which provides a platform for solving real-world problems which are multidisciplinary/interdisciplinary domains of engineering. The institution has formed a research and incubation center with experts from various engineering and relevant science disciplines to guide the institution's research activities. At the institutional level, we conduct curricular, co-curricular, and extracurricular events such as Seminar Series to promote interdisciplinary education. In addition, our institute has started two new Undergraduate Programs in emerging areas. It can be said that the institute is proactively

working towards the implementation of the suggestions given in the NEP. Honor's/Minors degree program is introduced by the Faculty of Science and Technology of the University of Mumbai to facilitate the students to choose additional specialized courses in the emerging areas of their choice and build their competence in such domains.

16.Academic bank of credits (ABC):

The National Education Policy 2020 (NEP 2020) has brought about transformative changes in the Indian education system, with the establishment of the Academic Bank of Credits (ABC) being a significant development. At our institution, we have embraced NEP 2020's vision and taken proactive steps to align with the ABC system, reflecting our commitment to revolutionizing the educational landscape. Notably, over 1800 students have already created ABC IDs, underscoring our students' enthusiastic engagement. To fulfill the requirements of the Academic Bank of Credits outlined in NEP 2020, our institution has established a dedicated ABC cell responsible for overseeing the implementation and management of the ABC system. This proactive measure ensures efficient administration and smooth functioning of the ABC platform. Moreover, we have assembled a proficient support team to guide students through the process of creating their ABC IDs, facilitating a seamless transition into the system. Additionally, a robust feedback mechanism has been integrated to gather valuable insights from students, enabling continuous improvement of the ABC system. The flexibility offered by the ABC system empowers students to navigate their educational journey at their own pace and convenience, aligning with the principles of NEP 2020. This flexibility not only enhances accessibility to higher education but also accommodates individual learning preferences and needs. Regular updates on our institution's registration status under the ABC program are provided to all stakeholders, ensuring transparency and accountability. Recognizing the pivotal role of faculty in shaping the learning experience, we have prioritized their empowerment within the framework of NEP 2020. To achieve this, comprehensive professional development programs have been instituted to foster innovative pedagogical methodologies. Faculty members are encouraged to design their curricula and pedagogical approaches, enabling them to select textbooks, reading materials, assignments, and assessments that align with course objectives. This autonomy promotes creativity and diversity in teaching practices, enriching the overall learning experience for students. In addition to meeting the mandates of NEP 2020, our institution strives to foster collaboration and internationalization of education. Partnerships with foreign institutions facilitate joint degrees and credit transfer opportunities, providing students

with global exposure and enhancing their academic credentials. These initiatives align with NEP 2020's vision of fostering a dynamic and globally competitive educational ecosystem. In conclusion, our institution's proactive efforts to implement the Academic Bank of Credits following NEP 2020 reflect our commitment to excellence and innovation in education. With over 1800 students actively participating in the ABC system, we are poised to realize NEP 2020's vision of a transformed educational landscape. Through transparency, empowerment, and collaboration, we endeavor to shape the future of education in India.

17.Skill development:

Pillai HOC College of Engineering and Technology aims to emphasize vocational education for the improvement of students' skills. To make students ready as per industry requirements, various skill development programs are floated across all departments under the National Skills Qualifications Framework. Various departments at PHCET have offered value-added courses. The details are available at <https://phcet.ac.in/academics/other-programs/valueadded- courses/> For skill development, PHCET guides students in training and internships during semester breaks. As per students' technical interest, students complete internships in erupted organizations. The details of internships done by students are available at <https://phcet.ac.in/students/placements/internship/>. To focus on developing skills related to leadership, personality development, teamwork, and collaborative approach, PHCET's National Service Scheme NSS Unit guides students in hosting various activities like tree plantation, blood donation, women's day, Kargil divas, constitution day, yoga day and meditation programs regularly. The details are available at <https://phcet.ac.in/students/studentactivities/ student-associations/nss/> PHCET is a Network Institute with the Indian Space Research Organization (ISRO) from 20th June 2017, under the Indian Institute of Remote Sensing (IIRS). The well designed ISRO Lab is set up in PHCET with all course materials in the form of books, online notes, and videos available. This helps students to complete various courses offered by ISRO in online mode in addition to the regular curriculum. PHCET provides Honor and Minor courses to all eligible as per guidelines by AICTE that help them to remain updated as per the latest trends in technology. Students are mentored to register and complete NPTEL courses and other MOOCs. PHCET also has a center to provide ESSCI certifications under the Skill India program in the field of PCB and Automation to make them competitive in their respective field. PHCET has a research and incubation center that gives exposure to students in exploring new ideas.

Various workshops are conducted for students and faculty to cope with the emerging technologies.

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

PHCET aims to promote the Indian knowledge system, arts, cultural heritage, and traditions. by incorporating the Indian Knowledge System into teaching and learning practices. Bilingual delivery in English and vernacular languages is encouraged for the benefit of a diverse student group. The institute will include courses teaching elements of Indian culture and knowledge, making them accessible to a wider audience. To implement bilingual teaching the institution will encourage the faculty members to enhance their proficiency in vernacular languages. They will also be supported to attend workshops and seminars to sensitize to diverse cultures and to promote a more inclusive and productive learning environment. PHCET conducts various elocution competitions for students where no language barrier exists. The institute has Marathi Wangdmay Mandal -a Group of Students and faculty to integrate the Indian knowledge system (Marathi- mostly used by local communities). This group organizes Sahitya Vachan, drama, kala, and Sanskriti. The institution is endorsing different aspects of Indian culture and knowledge through its various activities. To spread awareness Yoga Day is celebrated every year with meaningful knowledge sharing sessions. The institution hosts cultural events, art exhibitions, and performances to showcase Indian arts such as classical music, dance, and visual arts. 'Euforia' is the main cultural event held every year for three days. It includes performances like classical dance and music, completions such as Rangoli, Mehendi, and various art forms. PHCET has the tradition of celebrating 'Onam', an Indian festival in all its grandeur. The institute also celebrates several local and national festivals like Dussehra, Pongal, Ganesh Festival, Christmas, etc. PHCET maintains the sanctity of the Indian languages by conducting events and activities like Marathi Day, Ekta Divas, Shiv Jayanti, Agnipath Scheme, etc. Apart from this, Regular seminars, workshops, and festivals are organized to create awareness of Indian culture and traditions among students and the community. As per the National Education Policy 2020, the institution has embraced several good practices. PHCET conducts regular meditation sessions for its students to achieve their personality development. Students are encouraged to explore multiple disciplines to promote a multidisciplinary approach to problem solving. The institution actively engages with local communities to promote Indian culture, knowledge, and traditions through outreach programs and collaborations. Marathi Wandmay Mandal, NSS Unit at PHCET, Women

Development Cell, and Student Council ensures these initiatives are regularly followed by involving students, faculty, and staff. Euforia, the PHCET cultural festival is organized once every year. AT PHCET, the annual community service day is observed every year and students under NSS interact with the local community, and mutual learning is achieved through these interactions. Various games and interactions are organized on this day. PHCET believes that the integration of the Indian Knowledge System into the education system is vital for preserving and promoting our rich cultural heritage.

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

The curriculum planning and delivery are diligent with the preparation of the lesson plan and concept inventory, adapting Bloom's Taxonomy focusing on Information, Understanding, Application, and Synthesis. Teaching-learning practices include practical and designed experiments, case studies, software training, software-based education, and the use of ICT. PHCET has taken the initiative to organize various workshops, seminars, orientation programs, industrial visits, etc. to strengthen the curriculum to meet OBE guidelines. This results in NBA accreditation of UG programs in Computer, Civil, Mechanical, and Information Technology. Institute has obtained an A grade in the first cycle of NAAC. Students are provided with resources such as computers, working space, and financial help for establishing start-ups. PHCET has a MoU with many industries and organizations of repute for academic and research collaboration. PHCET has focused on digital learning to enhance the teaching-learning process during the Pandemic to provide active and personalized education to all students through digital learning to ensure effective curriculum delivery. Faculty uses several modern technologies and digital tools like Google Classroom, Google Meet, and Zoom. Students are also encouraged to take certificate programs and MOOCs. The institute has developed a Research Innovation and Incubation Center to motivate faculty and students to conduct research in areas of their interest and social benefit. Publishing of good quality research papers is the expected offshoot of the work. PHCET has started a digital library which is an online database of digital objects that can include text, still images, audio, video, or other digital media formats. Library Space (LSDLR) is a centrally hosted repository for Study Materials and co-curricular & extra-curricular information. Taking into account NEP the examinations are based on achievement of course outcomes, through assessment of core concepts and knowledge from the curriculum, along with relevant higher-order skills and application of knowledge in real-life situations, rather than rote memorization. It also stresses that the assessment tools will be aligned with the

learning outcomes, capabilities, and dispositions as specified for each subject of a given class. Mini Projects enable the students to think out of the box and ensure skill development with the implementation of several concepts. A project environment also fosters group work, cordiality, and minimally even collective bargaining. The institute has initiated a study workshop to improve the learning skills and academic proficiency of the students and help them achieve their goals. Many students find it difficult to voice their opinions and contribute to a class discussion. These workshops give them a platform where they can share their views and opinions. Workshops are organized in each department to enhance the exposure and understanding of the subjects. It also aims to introduce the students to strategies that will help them overcome their reluctance to participate actively in the class. PHCET has formed Student Chapters of Professional Organizations such as CSI, ACM, IETE, etc., to give exposure to the professional world as well as help learn management. Public Speaking Forum, Debating Club, etc. are intended to enhance communication, soft skills, and confidence.

20.Distance education/online education:

PHCET recognizes the immense potential of offering vocational courses through the Open and Distance Learning (ODL) mode. In alignment with the changing demands of the job market and the need to enhance employability skills, PHCET has meticulously curated a range of vocational courses that cater to diverse industries. These courses are designed to bridge the gap between theoretical knowledge and practical application, equipping students with the skills and expertise required in their respective fields. Online lectures, webinars, virtual labs, and multimedia resources are integrated into courses to facilitate a comprehensive learning experience (Events – PHCET | Pillai HOC College of Engineering and Technology) To promote blended learning, we have established a Digital Archive that serves as a centralized repository for course materials, assignments, and assessments (DSpace Digital Library: <http://114.143.219.19/libspace/>) The Digital Archive enables students to access resources at their convenience, collaborate with peers, and submit assignments online. PHCET has a MoU with many industries and organizations of repute for academic and research collaboration. PHCET has focused on digital learning to enhance the teaching-learning process during the Pandemic to provide active and personalized education to all students through digital learning to ensure effective curriculum delivery. Faculty uses several modern technologies and digital tools like Google Classroom, Google Meet, Zoom. The integration of an online teaching platform like ZOOM with licenses is a significant step in facilitating effective remote

learning. Zoom's functionalities for virtual classrooms, video conferencing, and collaboration tools offer a versatile environment for educators and students to interact seamlessly. The licensing of Zoom enables our institution to conduct classes, workshops, and meetings with enhanced features and scalability. With the ability to host larger groups, facilitate breakout rooms for group discussions, and provide recording options for later review, Zoom's licensed version enhances the overall teaching and learning experience. A large number of students benefited through digital learning as is evident from the results of examinations conducted. Students are also encouraged to take subject-related Certificate programs and MOOCs. The institution's efforts towards blended learning are evident in faculty development programs. We conduct regular workshops and training sessions to empower educators with the skills required to effectively leverage technology in the teaching process. These efforts ensure that our instructors are well-equipped to provide high-quality education in both online and offline settings. Recognizing the increasing importance of software proficiency in various industries, we offer certified courses in Computer-Aided Design (CAD) software. Our students have the opportunity to attain certifications such as Certified SolidWorks Professional (CSWP) and Certified SolidWorks Associate (CSWA) Value Added Courses - PHCET | Pillai HOC College of Engineering and Technology. These certifications validate their expertise in CAD software and enhance their employability in fields such as engineering and design.

Extended Profile

1.Programme

1.1	480
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1725
Number of students during the year	

File Description	Documents
Data Template	View File

2.2		161
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		
File Description	Documents	
Data Template	View File	
2.3		413
Number of outgoing/ final year students during the year		
File Description	Documents	
Data Template	View File	
3.Academic		
3.1		130
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		125
Number of Sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1		59
Total number of Classrooms and Seminar halls		
4.2		302.67
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		1060
Total number of computers on campus for academic purposes		

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

PHCET affiliated with the University of Mumbai (UoM) takes adequate and timely measures to innovate continuously for curriculum delivery. After receiving an academic calendar from UoM, PHCET prepares an academic calendar accordingly that provides details of academic, co-curricular, and extracurricular activities, Internal assessment, oral practical schedule, end sem examinations, etc. The academic calendar is distributed to faculty members and students before the commencement of the semester. In adherence to the institute's academic calendar, each department prepares its academic calendar with dept. activities. Course Academic Plan is prepared by faculty including syllabus, teaching plan, concept inventory, experiment list, mapping with COs, PSOs, POs, MOOC courses, e-resources, etc. An academic audit is conducted to review these contents and the plan is revised if required. In addition to traditional classroom teaching, faculty members also use lab sessions, ICT tools, and active learning strategies for effective subject delivery. Regular review of syllabus coverage and student attendance is conducted at each department by HoD. The academic performance of students is continuously monitored by conducting module-wise tests, Internal Assessments, etc. during the semester to assess the learning levels of students. Study camps and prelim exams are conducted to prepare the students well for the end-semester examination.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://phcet.ac.in/students/academiccalendar/term-calendar/

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

PHCET strictly adheres to the academic calendar issued by the University of Mumbai and plans all its academic activities, including Continuous Internal Evaluation (CIE). An academic calendar is prepared at the beginning of each semester in line with the

University's calendar consisting of Internal Assessment I, Internal Assessment II, Module-wise test, preliminary examination schedule, and tentative dates of end semester examination. After being approved by the principal, the academic calendar is uploaded on the institute website, displayed on the notice board, and communicated to students and faculty through email/WhatsApp group /Google Classroom. Adherence to the academic calendar is monitored in the following ways:-

1. Internal Examinations - The syllabus coverage for IA1 and IA2, assignments, lab write-ups, mini projects, and the major project is regularly reviewed.

2. Academic Monitoring - The department head maintains a monthly monitoring report on the percentage of syllabus covered and student attendance.

3. End-semester examination -The tentative dates for university exams are indicated in the academic calendar. If the university modifies the academic schedule, students are informed, and activities are rescheduled accordingly.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://phcet.ac.in/students/examination/examination-notices/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

69

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

669

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

669

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

PHCET ensures that the student's learning outcomes are well-integrated and balanced. The institution has taken various steps to educate students on cross-cutting topics such as gender, human values, professional ethics, environment, and sustainability. For the first year, the University has deployed subjects such as Environmental Studies, and Professional Practices to evolve professionalism among the students. These subjects comprise modules based on Human Values, Pollution, Professional Ethics and etiquette, and Social and Gender issues. The NSS team organizes various healthcare webinars, blood donation camps, tree plantation activities, and events such as 'World Environmental Day' to promote the sense of humanity. The Industry visit helps students understand sustainability measures and their implementation issues. Women's Development Cell focuses on social issues, rejuvenation and fun activities, and various health care programs for the faculty and students. Placement cell organizes various programs to inculcate the code of ethics and etiquette among the students. Detailed reports of all events are available at NSS | PHCET.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

198

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1010

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://phcet.ac.in/feedback/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

540

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

426

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

PHCET practices direct and indirect methods to evaluate the student's learning levels. In a direct method, students' knowledge and skills are evaluated based on their performance in assignments, tutorials, experiments, lab assignments, an internal assessment test, an oral/practical examination, and an end-semester examination. In an indirect method, the subject-in-charge continuously observes a student's performance in classroom participation, attention during lectures and practicals, as well as their attendance. The interaction between mentors and students aids in determining students' learning levels. Faculty members and mentors evaluate the academic progress of students and advise them to improve their performance. To help slow learners, remedial classes, additional lab sessions, and timely assessments are administered. The faculty organizes additional problem-solving sessions and tutorials for complex topics. Webinars, expert lectures, and guest sessions on the latest technologies are organized to raise their awareness of various career options and improve their skill sets. Advanced learners with strong academic credentials are encouraged to attain university rankings, participate in competitive examinations, etc. Students with a focus on research are encouraged to present their work at the Business Idea Competition, Smart India Hackathon, coding competitions, etc. at the Institute, University, and National level.

File Description	Documents
Link for additional Information	https://phcet.ac.in/students/student-activities/student-centric-methods/
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1647	130

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

PHCET uses creative practices to promote student growth and development and attempts to provide an interesting and participatory learning environment that caters to every learner's requirement and ability. Students are provided with real learning experiences through industry visits, internships, field projects, and field surveys. It is also enhanced by lab sessions that give students hands-on experience. In addition to labs, students work on minor and major projects to get practical experience. The student chapters, associations, and coding clubs of various departments are committed to providing a conducive environment for students to grow and excel in their fields. Debates, poster competitions, group discussions, and project competitions stimulate student participation and healthy competitiveness. NSS unit organizes events like Blood Donation Camp, tree plantation drives, and residential camps to enhance participatory learning. PHCET conducts national technical events like Hackathon to showcase technical skills, and ability to compete, learn, and prove themselves. PHCET encourages students to acquire problem-solving skills by arranging expert talks from industry and academic experts. Students participate in competitions like Avishkar, Hackathons, and Go-kart. Student clubs like Starkers MotorSports, BIS, IETE, IEI, ISRS, and CSI encourage students to solve problems, work in a team, and build prototypes for various competitions in a team.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://phcet.ac.in/students/student-activities/student-centric-methods/

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Faculty employs the latest tools and technologies with traditional methods for effective teaching and learning. The Institute strategically deploys ICT for enriched education, using diverse tools to achieve holistic learning goals, including:

1. The institute provides an extensive range of tech tools including projectors, Smart Boards, Smart TVs, etc.
2. Seminar halls with cutting-edge digital facilities, enhancing presentations and interactive discussions.
3. The auditorium features advanced audio-visual equipment, including microphones, projectors, cameras, and computer systems.
4. Zoom, Google Meet, and Google Classroom platforms facilitate interactive online classes and remote learning.
5. The institute harnesses NPTEL lectures to supplement learning.
6. An extensive digital library augments learning with a variety of online resources.
7. Faculty members explore PowerPoint presentations, digital libraries, Smart TVs, in-house developed light board recording systems, and online resources for effective content delivery. This helps to implement an effective teaching-learning system
8. Online quizzes via Google Forms evaluate student performance.
9. Inhouse recorded video lectures are made available on MES's official YouTube channel to ensure enduring learning and future reference.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://phcet.ac.in/about/infrastructure-and-facilities/teaching-aids/lightboard-studio/

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

126

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full time teachers against sanctioned posts during the year****130**

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year****26**

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

1106

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The academic calendar of the institute provides planned dates for internal assessments, project assessments, term work submissions, etc. The academic calendar is made available well before the commencement of the semester through the institute website. The academic calendar displays tentative dates for internal examination at the beginning of the semester for the faculty and students to plan the course conduction in advance. The assessment of term work is based on attendance in theory and practical sessions, assignments, case studies, project-based learning, and experiments as applicable. Students are made aware of their grades/marks obtained in a particular assignment, experiment, case study, etc., and rubrics are also shared with students. Two internal assessments are conducted for 20 marks and an average of two assessments is considered 20% of the total weightage in each theory subject along with an end-semester examination of 80 marks. The internal assessments are routinely monitored by the Principal, Heads of Department, and internal exam committee to ensure that they meet the learning outcomes outlined in the course syllabus. With these systems in place, PHCET very well exhibits transparency in the mechanism of internal assessment and robustness in terms of frequency and variety.

File Description	Documents
Any additional information	View File
Link for additional information	https://phcet.ac.in/students/examination/examination-notice/

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has devised an efficient and transparent mechanism to deal with examination-related grievances. The conduction of CIE and rectification of grievances is time-bound as per guidelines issued by the affiliating university (UoM).

At the Institute level: An exam committee, comprising a senior faculty and other staff members, is constituted to handle the issues regarding the evaluation process. The teacher distributes evaluated course-wise answer scripts to students and discusses the performance. Class teachers and HOD help to solve grievances if any in IA and other evaluations. Remedial classes are conducted for students who have failed in end sem examinations.

At the University level: If students have grievances related to the evaluation of university answer scripts, students can bring their grievances by applying for re-evaluation.

Re-Evaluation: Students can apply for re-evaluation of their answer scripts within a week from the declaration of results. The results of the re-evaluation will be announced as per the university norms.

Challenge Evaluation: If the re-counting/re-evaluation results are not satisfactory, a student can apply for challenge evaluation within the deadlines mentioned in the circulars. The revaluation fees will be refunded if he/she clears the paper. The entire process is maintained in a transparent and time-bound manner.

File Description	Documents
Any additional information	View File
Link for additional information	https://phcet.ac.in/students/examination/examination-notices/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Course Objectives and Course Outcomes (COs) for each course are stated in the syllabus as prescribed by the University of Mumbai. If required, faculty can modify COs for implementation purposes without disturbing the core of the specified objectives and outcomes. A detailed syllabus and COs are available on the institute's website for all UG and PG courses. Faculty includes the COs in their course file and the same is communicated to the students during theory and

lab sessions regularly. Program Outcomes (POs) and Program Specific Outcomes (PSOs) are displayed at prominent locations in the department for staff, students, and public view. POs, PEOs, and PSOs are also printed in lab manuals, and displayed in labs. POs and PSOs are communicated to employers and Alumni during the placement drives and alumni meetings. While addressing the students, the principal and HODs create awareness of POs, PEOs, and PSOs. The faculty members, mentors, and course coordinators, also discuss and create awareness about POs and COs and emphasize the need to attain it.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://phcet.ac.in/academics/bachelors/information-technology/program-overview/
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The process of attainment of POs, PSOs, and COs is followed as prescribed by the NBA. The direct and indirect assessment methods are considered for calculating the attainment of COs, POs and PSOs. Mapping of each course outcome with the end-semester examination question paper, assignments, and practical and internal assessment questions is carried out. The target value of marks for each subject is set by considering the difficulty level of the subject and based on the university curriculum weightage is given to each assessment head. For individual subjects, criteria for level selection (level-1-High, 2- Moderate, 3- Low) is decided by the subject teacher through analysis of previous years' university examination results. The final level for each head is decided by comparing level criteria and the percentage of students at and above the set target value of marks. The course attainment is calculated by multiplying the final level by weight percentage. The POs and PSOs are mapped with COs on a scale of 0, 1, 2, and 3 (0- No correlation, 1- Low, 2- Moderate, and 3- Fully correlated). Final program attainment is calculated by multiplying total attainment with the PO and CO mapping scale. The same procedure is followed to calculate PSO attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://phcet.ac.in/academics/bachelors/information-technology/program-overview/

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

368

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://phcet.ac.in/iqac/annual-report/

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://phcet.ac.in/iqac/student-satisfaction-survey/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

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

15.36

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://msme.gov.in/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

41

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during

the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

48

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

34

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The NSS Cell of PHCET organizes several programs like blood donation camps, education awareness, tree plantations, Swachata Bharat Abhiyan, waste management sessions, social awareness programs, self-defense sessions, Intellectual sessions, etc every semester. IN AY 2023-24, the NSS Unit donated books in the adopted village and also organized extracurricular activities for the kids in the village in the Residential camp. This year, Forest conservation activity was also conducted under which volunteers along with the coordinator and village members worked towards the conservation of previously planted trees. The Student Council, along with NSS, celebrates Independence Day, Republic Day, World Environment Day, Shivjayanti, Dr. Babasaheb Ambedkar Jayanti, Gandhi Jayanti, etc, by performing various activities to keep nationalism alive in every student.

Every Year Community Service Day is organized where sick, elderly,

disabled, poor, homeless, young, and school-aged from different orphanages and old age homes are brought to the campus. Students with a team of faculty members volunteer their time to these programs that respond to the needs of the people. Community Service Day involves students in community development and service activities. In this competition, more than 500 students from 28 schools and 6 junior colleges participated in AY 2023-24.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/students/nss/
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

3

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

23

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

936

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

71

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

29

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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 equipment etc.

PHCET has state-of-the-art facilities and well-equipped laboratories, spacious classrooms, workshops, and a well-stocked library. Classrooms are equipped with LCD projectors. PHCET has ICT-enabled Smart Classrooms with the provision of Multimedia learning and adequate infrastructure in terms of State-of-the-art computer labs, a library, a language lab, faculty rooms, and seminar Halls with Audio Visual Facilities like Auditorium, Conclave -1 and 2 Hall . These halls are regularly used for conducting various hands-on workshops STTPs, FDPs, and seminars for students and faculty. Labs have sufficient licensed software and open-source tools to cater to the requirements of the curriculum. PHCET has an adequate number of well-maintained computers, servers, routers, switches, printers, scanners, etc., with all necessary System and Application software for the requirements of various departments connected on LAN. PHCET has extended support by providing additional facilities like Component Library, Project Labs, and industry-supported laboratories. Research, Incubation, and Innovation Centre (RIIC) is also available to promote research, innovation, and entrepreneurship activities and support faculty and students. PHCET has an outreach center for the Indian Space Research Organisation (ISRO) under the Indian Institute of Remote Sensing (IIRS) and has conducted more than 100 courses and 30 + various workshops for students and faculty to date.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://phcet.ac.in/about/infrastructure-andfacilities/academic-infrastructure/

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

The institute has a central stage, auditorium, and conclaves for hosting cultural events. The institution offers a platform called Euforia, an annual cultural festival that unites all the students and encourages them to showcase their talents by planning and taking part in a variety of programs. Students can receive sports training at the institute due to the tie-ups with Khelo India Khelo and the Sports Authority of India. Due to this tie-up, students can get selected at the national level. The institution has 8 acres of sports ground, a 400m athletic track, 1 football court, 4 volleyball courts, 1 basketball court, 2 handball courts, and is set up for rifle shooting. The institution provides the facility of various indoor and outdoor games, including chess, table tennis, carom, badminton, basketball, and volleyball. Students and faculty have access to a well-equipped gymnasium on campus, which is furnished with all the necessary apparatus, including treadmill, leg presses, multi stations, olympic boxes, and bench press benches. The institute has signed an MOU with the Heartfulness Meditation Centre. Various meditation and yoga sessions are conducted for faculty, staff, and students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://phcet.ac.in/about/infrastructure-andfacilities/academic-infrastructure/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

59

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

59

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://phcet.ac.in/about/infrastructure-andfacilities/teaching-aids/lightboard-studio/
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

97.21

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The library has created a Digital Library (Institutional Repository) for Comprehensive Study materials like Lecture Notes, PPTs, Lab Manuals, Assignments, Experiments, Syllabus, and Question Papers. DSpace, Open Source Software is used for developing the Digital Library. A dedicated Rack Server with a remote access facility is provided for the purpose. It has a rich collection of more than 36,000 books in the field of Engineering, Technology, and related disciplines. The library has subscribed to around 25,000 Full-text E-journals. The library houses an enviable collection of resources in the fields of Engineering, Study Skills, Personality Development, General Management, Humanities, Science, and allied subjects. The

library has an Online Public Access Catalogue Search Area, an internet browsing area for accessing e-resources, a Laptop zone with a Wi-Fi facility, and specialized workstations like a discussion room. Separate space for rare documents and reference books.

Sr. No.

E-Resources

Website

QTY

Contents

1

ASCE

(American Society of Civil Engineers)

<http://ascelibrary.org>

41

E-Journals

2

IEEE Xplore Digital Library

(Institute of Electrical and Electronics Engineers)

<https://ieeexplore.ieee.org>

484

E-Journals

3

J-Gate – Engineering & Technology (JET)

<https://jgateplus.com/search/login/>

24,417**E-Journals****4****Digital Library - DSpace****<https://digitallibrary.mes.ac.in/handle/1/8>****Study Materials: Lecture Notes, PPTs, CAP, Lab Manuals/Tutorials, Videos, Question Papers, Syllabus etc.****Total****24,942 – E-Journals**

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://phcet.ac.in/library/library-information/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

8.61

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

402

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

PHCET prides itself on its excellent infrastructure and a commitment to consistently upgrading its IT facilities. There are more than 1000 computers available in the institute. The computer labs are furnished with computers featuring a Gigabyte GA-H81MDS2 Motherboard, i5 Processor, 8 GB RAM, 500 GB HDD, Standard Keyboard, Optical Mouse, Logitech HD Webcam, Circle Concerto 201 USB headphones, and a Printer. The institute possesses licenses for software such as Autocad, Primavera, Ansys, Solidworks, Labview Orell digital language, oracle 11G, Matlab 2023, etc, along with a range of open-source software like Scilab, packet tracer, latex, Pspice, tailored to specific lab requirements. In the academic year 2023-24, the internet bandwidth was upgraded to 1000 Mbps. There are several servers available, including Tally ERP with the configuration of Windows Server 2003 R2, Intel Xeon Processor E5-2609, 32 GB RAM, and 1 TB HDD, Solidworks with the configuration of Windows 10, Gigabyte Processor, 8 GB RAM, and 500 GB HDD, and Eduright as Windows Server 2008 R2, Intel Xeon Processor E5-2620, 32 GB RAM, and 5 TB HDD. Additionally, the institute holds licenses for Zoom. There is 24 x 7 WIFI accessibility in labs, classrooms, staff areas, the seminar hall, and the library.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://phcet.ac.in/about/infrastructureand-facilities/academic-infrastructure/

4.3.2 - Number of Computers**1060**

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****141.16**

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

PHCET has a comprehensive resource management system to ensure all resources are properly maintained and utilized. This system includes policies and procedures for the repair, calibration, maintenance, and upgrade of resources, as well as tracking and record-keeping of resource use. The resource in charge of each department is responsible for ensuring that resources are ready to use. The lab in charge initiates repairs and maintenance as needed and tracks the use of resources to ensure that they are being utilized effectively. A comprehensive maintenance plan is in place for the civil, mechanical, electrical, and IT infrastructure. The housekeeping team is responsible for keeping the entire campus clean, and the fire protection system is regularly tested and maintained. The gymnasium, playgrounds, and all sports-related equipment are used and maintained under the supervision of the Sports Director. The library staff regularly updates the book repository, and all library books, print journals, and other items are inventoried every two years. The institute's classrooms are ICT-enabled and equipped with Wi-Fi, and smart boards. Exclusive personnel from the hardware maintenance department are on hand to constantly monitor, repair, and maintain the systems. Computer configurations are upgraded based on software compatibility and academic requirements.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://phcet.ac.in/faculty/facultyhandbook/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year****1081**

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year****79**

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to institutional website	https://phcet.ac.in/students/student-activities/student-centric-methods/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

275

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

275

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

123

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government

examinations) during the year**18**

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.****5**

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Under the supervision of faculty advisors and the Principal, the PHCET Student Council is in charge of organizing technical, cultural, social, and sporting events. The students are not only involved in making decisions but also, administrative decisions relevant to students are circulated to the students through Student Council. Student bodies like CSI, IETE, IEI, SFA, BIS, and Team Starkers nudge students towards developing special interests by organizing expert lectures, and seminars through online mode. Under the direction of the faculty coordinators, all student bodies are involved in the organization of co-curricular and extra-curricular

activities.

A few examples of student representation in academic and administrative bodies of the college as follows:

- College Development Committee
- Internal Quality Assurance Cell
- Anti-Ragging Committee
- Internal Complaint Committee
- Prevention of Atrocities to SC/ST Committee
- Placement Committee
- Extracurricular Activities Committee
- Canteen Committee
- Women Development Cell

This enables the institute to review some administrative decisions from a student's perspective. An alumni representative also provides valuable input through his or her expertise and exposure. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service. Students work cordially under the supervision of a faculty member.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/institutionalcommittees/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

36

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

PHCET has a registered Alumni Association under the Societies Registration Act. It was formed on 18/10/2016 at The Registrar of Society, Raigad. Registration No: Mh-431/2016 under Societies Registration Act 1860. Nine members including the Principal and eight alumni members constituted the first members of the registered association. Its contribution through various means to the development of the institute:-

- **Webinars and Seminars on advanced technology.**
- **Alumni Interaction: Alumni are invited as resource persons at various events, guest lectures, and panel discussions and share their experiences, skills, trends & technologies in the corporate world.**
- **Placement & Career Guidance Assistance: Alumni are working in organizations in various capacities. They keep the faculties and the placement officer abreast of the available job opportunities. Entrepreneurship Awareness: Alumni have established startups in different sectors, many of whom are first-generation entrepreneurs. They acquire knowledge & skills in this journey.**
- **Alumni Meet: The Alumni Meet is conducted in the month of February. Alumni get a chance to reconnect with their Alma mater and old friends to establish a network and share new trends and valuable inputs of the corporate sector.**
- **PHCET "EUFORIA" is an annual fest. Alumni take an active role in planning and organizing "EUFORIA"**

File Description	Documents
Paste link for additional information	https://phcet.ac.in/alumni/alumniregistration/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

PHCET's vision is "To be a Premier Institution, Cultivating Diverse Learners into Globally Competent Professionals for the Betterment of Society". PHCET has a mechanism for delegating authority and providing operational autonomy to the various functionaries to work towards a decentralized governance system. The Governing Body delegates all the academic and operational decisions based on policy to the Principal to fulfill the vision and mission of the Institute. The principal appoints different committees to implement different academic, student management, and related policies. The Committees like CDC, IQAC, IIC, Examination, Anti-ragging, Grievance redressal, WDC, Alumni, ICC, and R & D committee, Sports, Library, etc help to manage academic, administrative, research, and extracurricular activities effectively. Faculty, staff, and students are the coordinators and members of these committees as per the requirements. The governing body, Principal, HOD, registrar, IQAC, faculty and staff, student council, stakeholders, and committee members propose, jointly design, configure, and execute their plans within the framework of the institute. At the departmental level, there are several committees led by HOD and senior faculty members. PHCET has a highly decentralized student council that operates at the department and Institute level to meet the needs of each group of students.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/instituteorganogram/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

PHCET practices various decentralization strategies. The numerous academic, administrative, research, and extracurricular activities that keep PHCET vibrant are managed by several committees. These committees are coordinated by faculty and staff, who also serve as members. The governing body, principal, HODs, registrar, members of the CDC, IQAC, professors, staff, student council, stakeholders, and committee members work together to achieve academic and research excellence. Each department also implements decentralization in turn, providing greater transparency and better service delivery to meet the specific needs of each department. At the departmental level, there are several committees led by HOD and senior faculty members. This encourages them to develop active skills by being responsible for different academic, and extracurricular activities. The department has the right to visit the industry, contact the industry, organize seminars/workshops/conferences/FDP/Memorandum of Understanding/expert conference series, etc. In the administration, non-teaching staff plays a crucial role in managing the day-to-day work and lab requirements. PHCET has a highly decentralized student council that operates at the department and Institute levels to meet the needs of each group of students. Students are encouraged to participate in sports, NSS, and extracurricular activities to achieve the overall development of students.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/institutional-committees/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic plan involves steps taken on various core competencies

like Student-Centered Excellence, Teaching-Learning Process, Research and Innovation, Extension Activities, Quality Consciousness, Infrastructure, and Learning Resources. In AY 2023-24, various seminars and hands-on workshops were organized. In addition, the Institute offered value-added courses and various MOOC platforms to ensure industry readiness and promote skill development. IQAC encourages and provides support and funding to publish quality research articles, and books and file patents on research topics. IIC at PHCET conducted various activities on research, innovation, and entrepreneurship and ensured that IIC members completed Innovation Ambassador training programs and in turn trained students and faculty. The NSS Unit along with the student council organized various extension activities. The institute participated in NIRF ranking and efforts were taken to improve various aspects. IIC Rating was improved to 3.5 and the total grant received by IIC was Rs.18.44 Lakhs. PHCET established industry-supported labs with REU Engineering and Consulting LLP, Anthony Garage, and ESNEE Motorsports Pvt. Ltd. PHCET faculty applied for Yukti Innovation Challenge, and KAPILA for financial assistance. ISO certifications 9001:2015 and 21001:2018 were obtained. AQAR for AY 2022-23 was submitted. PHCET is accredited by NAAC with an A+ grade in 2nd cycle.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://phcet.ac.in/iqac/
Upload any additional information	View File

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

PHCET has various administrative and academic bodies/committees to monitor the overall functioning of the Institute. The governing body is the key body involved in planning and decision-making and conducts meetings regularly to review academic, administrative, and financial matters. It evolves policies and strategies for the generation of innovations & development of technical programs. The CDC prepares an overall comprehensive development plan regarding academic, administrative, and infrastructural growth, and enables the institute to foster excellence in curricular, co-curricular, and extracurricular activities. IQAC ensures the timely, efficient, and progressive performance of academic, administrative, and quality

initiatives. There are several bodies/committees for which roles, constitutions, and powers are well defined and followed by all members strictly. These committees conduct meetings regularly and submit minutes to the Head of the Institute for approval. To improve work efficiency in the day-to-day functioning of the Institute, to ensure accountability of every layer of administration, and to make the administrative environment of the Institute very cordial are the main objectives of these bodies. The service rules, policies, objectives, and responsibilities are clearly stated in the Faculty Handbook which is made available on the PHCET website. Faculty Handbook | PHCET

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/institutional-committees/
Link to Organogram of the Institution webpage	https://phcet.ac.in/about/institute-organogram/
Upload any additional information	View File

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) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

PHCET has well-equipped computer labs with modern hardware and software resources to support research activities. A library has

more than twenty thousand volumes, open-access journals, video lectures, and e-resources. IIT Spoken Tutorial and the National Program on Technology Enhanced Learning (NPTEL) resources are available. High-performance computers, 3D printing, and laser cutting facilities are available in RIIC. Facilities like an on-call doctor, first aid room, 24 X 7 ambulance at the campus, bus facility with subsidized rates, common room, washrooms, facilities for physically disabled staff, canteen, Gym, etc are provided. Financial support for travel grants, and research activities is provided. PHCET innovation and incubation center also provides support for start-ups. Support and guidance for publishing quality research articles and filing patents are also provided at PHCET. Maternity and paternity leave policy is in place, and accessible to all employees. Faculty members working towards their Ph.D. degree from reputed institutions were granted Duty Leave support. Seasonal breaks in the form of summer and Winter Vacations were provided. Furthermore, an Employee Provident Fund is provided following standard regulations.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/faculty/facultyhandbook/
Upload any additional information	View File

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

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

19

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes

organized by the institution for teaching and non teaching staff during the year

35

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

93

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

PHCET has a Performance Appraisal System for teaching and nonteaching staff to ensure accountability, professional growth, and the overall improvement of the institution. PHCET follows the

guidelines given by AICTE. All teaching and non-teaching staff fill out the Self-Appraisal Form (SAF) every year for the period from January to December in the prescribed pro forma. In this proforma, the performance is classified into three categories (i) Teaching, Learning and Evaluation related activities (ii) Co-Curricular, Extension and Professional Development related activities, and (iii) Research Publications and Academic Contributions. In the third category, the self-assessment score will be based on verifiable criteria and finalized by the screening/selection committee. The principal in consultation with the head of the departments fix specific minimum API scores to be achieved by the faculty members in all three categories. Further, at the end of each semester, feedback is taken from the students for each of the courses attended by them. The head of the department reviews feedback and sends it principal for further review. The feedback is shared with individual faculty members for information and suggests suitable measures to improve the teaching-learning process if required.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/faculty/facultyhandbook/
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

PHCET maintains financial discipline, accounting practices, and audit procedures and abides by the requirements and stipulations of various regulatory authorities. The audited account of PHCET is annually scrutinized by the Shikshan Shulk Samiti (Fee Regulatory Authority) of the Directorate of Technical Education (DTE), Government of Maharashtra. The auditing processes of PHCET take place in two stages namely, internal audit and external audit. The auditors are re-appointed by the Governing body each year. The Internal audit is carried out by CA Yash Popatani & Co. Internal auditor is in regular contact with the accounts department. Most of the transactions are in non-cash mode and are done using Tally ERP 9 Software. SensysEasyPay from Sensys Technologies Pvt.Ltd., is used for salary-related computations and disbursement and for Income Tax purposes including generating Form 16. The salary of each employee is directly credited into their bank accounts and Easy Pay is used to generate the quarterly income tax returns of the taxes deducted

at source for various activities including monthly salary. Each department creates its own budget and the budgets of all departments are consolidated at the college level.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/mandatory-disclosures/balance-sheet/
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

5.99

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

PHCET is a linguistic minority and self-finance institution. The fees are approved by the Fee Regulating Authority (FRA) of the Government of Maharashtra. The tuition fee and the development fee are the two items of fees available for operational expenditure of the college. PHCET students receive scholarships for SC, ST, DTNT /VJNT, OBC, EBC, category students etc as fee reimbursement from central and state government. Various activities and events organized in the college are funded by various government and non-government agencies. The institute organises various industry sponsored conferences, seminars, STTP's and workshops etc. These are self-supporting programs and the surplus funds that are created pooled back to organize more such programs for the benefit of students and faculty. Funds are utilized for up gradation of labs, library and eresources and teaching learning aids. PHCET sponsors students and faculty to participate in various state and national

level activities. Institute provides funding of Rs. 1,50,000 to student clubs to participate in various national level competitions, result of which student club Go-Kart has bagged all India rankings since last five years in various categories.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/faculty/facultyhandbook/
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

PHCET IQAC has taken several initiatives for institutionalizing the quality assurance strategies and processes in AY 2023-24 as follow:

1. NBA Accreditation of all eligible UG Programs (Civil, Computer, IT and Mechanical Engineering)
2. ISO 9000:2015 and ISO 21001:2018 certification
3. Internal and external financial audits
4. Audits for electrical safety, green audit and Energy audits
5. Submission of AQAR 2022-23
6. Application for NAAC 2nd Cycle
7. Conduction of Value add courses
8. Conduction of academic and administrative audit
9. Administrative setups, policies, and rules for faculty and students are updated regularly as required and are available on PHCET website.
10. Organized seminars and workshops on recent trends in engineering and technology for faculty and students.
11. Department of Mechanical and Computer Engineering received funding to organize ATAL FDP.
12. Internal Smart India Hackathons (SIH), national-level hackathons, project competitions, and events under various professional bodies and chapters are regularly organized.
13. Internet bandwidth was increased to 1000 MBPS
14. Installation of Smart TVs to improve teaching learning experience.
15. QR Code for Library Services for easy usage of library resources.
16. PHCET received grant of Rs 18.44 lakhs to host IIC regional meet, IIC bootcamp, IIC mentor mentee program for HEIs.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/igac/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

PHCET IQAC follows a systematic procedure to review teaching learning process, structures & methodologies of operations. Academic calnder is prepared in the begining of semster to plan all academic, cocurricular and assesment activities. As per expertise of faculty, teaching load is allocated and an academic audit is conducted to check the course preparedness before commencement of classes. Internal assessment question papers, mapping of Course Outcomes with POs and PSOs, and set up of lab experiments to map all course outcomes are ensured through heads of the department and academic review committee at dept level. Several student-centric methods are employed for the overall development of students. Student feedback, grievances, and suggestions are collected; and analyzed, and corrective action is taken as and when required. PHCET offers several value-added courses to make students industry-ready. With the help of IIC and the departmental professional body, various technical programs and training are regularly conducted for both faculty and students. Feedback analysis and action taken report depicts incremental improvement in various activities.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/igac/academic-and-administrative-audit-aaa/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO

A. All of the above

Certification, NBA)	
File Description	Documents
Paste web link of Annual reports of Institution	https://phcet.ac.in/igac/annual-report/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File
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	
PHCET is an institution committed to promoting gender equity and fostering an inclusive environment where all students and staff are treated equally, regardless of gender. The college actively encourages women's empowerment through various initiatives and activities organized throughout the academic year. The Women's Cell conducts workshops and webinars aimed at reducing stress and promoting a healthy lifestyle for both faculty and students. The campus provides a range of facilities for well-being, including a counseling room with a professional counselor, a first aid room with resting facilities, and a doctor-on-call service. In case of emergencies, 24-hour ambulance services are also available. The college offers subsidized transport for students and free transport for faculty and staff, ensuring easy access to the campus. Security is a top priority, with 24/7 security personnel and CCTV surveillance throughout the campus. To ensure continuous operations, the campus is equipped with a standby power supply. To further safeguard the well-being of women, PHCET has established a Women's Grievance Redressal Cell and various committees, including the Anti-Sexual Harassment, Anti-Ragging, and Internal Complaints Committees. These committees focus on empowering women in science and technology and encourage their active participation in both technical and non-technical events.	

File Description	Documents
Annual gender sensitization action plan	https://drive.google.com/file/d/1A_eLnII918JDfFKiREz-oZESVSb5iDIC/view?usp=drive_link
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://drive.google.com/file/d/1RuV3Zelpw63rWmSzP1jfUHSb4BnduBh0/view?usp=drive_link

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste management is systematically implemented to ensure sustainability at PHCET. Collection points across the campus are equipped with separate dustbins for dry and wet waste. Biodegradable waste from the canteen is collected in compost bins, where it is converted into manure for the campus gardens. Non-degradable waste is taken to the dumping yard and collected by Gram Panchayat staff for proper disposal.

Liquid waste consists of sewage and cafeteria effluent. The campus has an underground sewer system connected to a septic tank. The septictank's outlet is linked to the Grampanchayat's sub-main, which leads to the Sewage Treatment Plant (STP) in Rasayani for proper treatment.

PHCET promotes waste recycling through the installation of a Pet Bottle Reverse Vending Machine. Discarded plastic bottles from the canteen are fed into the machine, crushed, and converted into PET

chips, which are then used to manufacture new plastic products in collaboration with Reliance Industries Limited.

For e-waste management, hardware waste like CPUs, ICs, and computer components are stored in the E-Waste Collection Cell (EWCC). These components are segregated and repurposed for minor repairs, reducing procurement costs. Additionally, e-waste is used as a partial replacement for coarse aggregates in civil engineering projects, combined with fly ash.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://phcet.ac.in/about/infrastructure-and-facilities/rain-water-harvesting/
Any other relevant information	View File

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
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

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 with trees and plants

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

PHCET is dedicated to fostering an inclusive environment that promotes tolerance, harmony, and respect for cultural, regional, linguistic, and socioeconomic diversity. Throughout the year, PHCET organized various programs and activities to celebrate and embrace diversity.

The Swatantra Independence Day celebration, held from 10th to 12th August 2023, featured competitions such as drawing, rangoli, photography, and poetry, alongside a cricket tournament. These activities brought together participants from diverse backgrounds, reflecting the spirit of unity in diversity. Similarly, Marathi Language Day and World Tribal Day honored cultural and linguistic heritage, promoting harmony among students and staff.

Environmental inclusivity was emphasized through Tree Plantation Drives, the Forest Conservation Drive, and Cleanliness Drives, fostering collective responsibility for sustainability. The Special Residential Camp organized by NSS from 4th to 10th March 2024 at Posari Thakurwadi focused on village development through sanitation improvement, environmental awareness, and community engagement.

Additional initiatives, including Community Service Day, the Book Donation Drive, and the Meri Mati Mera Desh campaign, highlighted the importance of socioeconomic inclusion and national pride.

These efforts reflect PHCET's commitment to nurturing an inclusive campus culture while upholding values of unity, diversity, and social responsibility.

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

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

PHCET actively promotes the awareness of constitutional values, rights, and duties among students and employees through a range of events and activities. Under the banner of "Sensitization to Constitutional Obligations: Values, Rights, and Duties of Responsible Citizens," various programs were conducted throughout the academic year to instill a sense of responsibility and national pride.

The initiatives included Community Service Day, where participants engaged in social outreach activities, and a Blood Donation Camp emphasizing the value of compassion and civic responsibility. Observations of special days like Engineer's Day, World Tribal Day, and Marathi Language Day fostered cultural and professional pride.

Collaborative programs such as the International Student Olympiad in Hot Bulk Technologies, Physics Exhibition Innovia, and Alumni Meet "Sansmruti" highlighted the importance of innovation, education, and alumni engagement. Environmental and social awareness was encouraged through Tree Plantation Drives, Book Donation Drives, Cleanliness Drives, and the Swachh Bharat Abhiyan.

The events culminated with an Awareness Rally and interactive sessions focusing on fundamental rights and duties. These programs reflect PHCET's dedication to nurturing socially responsible engineers and professionals committed to the nation's progress and constitutional ethos.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above
--	---------------------

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

PHCET actively promotes national pride, cultural heritage, and community engagement by organizing a variety of national and international commemorative days, events, and festivals. These celebrations aim to honor historical milestones, foster diversity, and encourage active participation from students and faculty.

During the academic year 2023-2024, PHCET celebrated significant national events, including Independence Day, Republic Day, National Unity Day, and Kargil Vijay Diwas. Anniversaries of great leaders such as Lokmanya Tilak, Chandrashekhar Azad, and Shivaji Maharaj were commemorated with poster-making competitions and cultural activities. International observances like International Yoga Day and Women's Day were marked with workshops and awareness campaigns.

Traditional festivals such as Diwali, Dussehra, and Onam highlighted India's cultural richness. Skill-enhancing workshops, including QGIS Hands-on Training and the National Innovation and Start-Up Policy awareness program, were also conducted.

In 2023-2024, PHCET hosted events like HackOverflow 2.0, Euforia 2024, and project exhibitions under Imagine, Implement & Innovate 2023. Community initiatives such as Community Service Day blood donation drives, tree plantation campaigns, and the Swachha Bharat Mission further reinforced the institute's commitment to social responsibility. These events reflect PHCET's dedication to innovation, cultural celebration, and holistic development.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

Due to a word limit of 200 words, objectives of best practices are mentioned here and as per NAAC guidelines detailed writeup for best practices is available at Best Practices | PHCET.

1. Empowered and Structured Work Culture

Objectives

- To create a system and a disciplined work culture that aligns with our institution's goal
- To distribute authority and responsibilities to encourage inclusiveness and shared ownership.
- To encourage students to develop a sense of discipline and belonging
- To inspire dedication among faculty in their profession and foster loyalty to the system.
- To promote transparency and enable quicker decision-making for academic and administrative activities at all levels.
- To create a supportive and respectful environment where everyone is involved in decision-making, maintaining personal dignity and decorum

2. Hackoverflow 2.0, PHCET

Objective:

- **Innovative Solutions:** Build creative, technology-driven projects to solve real-world problems.
- **Collaboration:** Work in teams to foster teamwork and exchange of ideas.
- **Skill Development:** Learn new tools, technologies, and improve technical abilities.
- **Networking and Competition:** Connect with professionals and compete for prizes or opportunities.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

PHCET has established the "NexGen Innovation and Entrepreneurship Program" to build an Innovation Ecosystem. The aim of this initiative is to provide opportunities and support to students and faculty to engage in various innovation activities.

In the AY 2020-21, PHCET also established the Institution's Innovation Council (IIC) in accordance with the guidelines of the Ministry of Education's Innovation Cell (MoE's MIC) and AICTE. This initiative was designed to create a vibrant local innovation ecosystem, develop a startup-supporting mechanism, establish a functional ecosystem for scouting ideas and pre-incubating them, and enhance the cognitive abilities of technology students.

Through this initiative, PHCET received funding support from IIC, MIC, in the academic year 2023-24 to conduct an IIC regional meet, Mentor-Mentee support, and an IDE boot camp for students and faculty from higher engineering institutes (HEIs) and schools. These events were successfully conducted to provide a networking platform for IIC institutions, schools, industries, and professional societies to showcase their innovation potential and achievements, share best practices, and exchange knowledge for the development of a stronger innovation and startup ecosystem within HEIs. These events provided a platform for students and faculty with intensive experiential learning opportunities in design thinking, business modeling, and enterprise planning.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Strengthen collaborations with Industries to enhance practical learning and impart industry skills
- Improve placement and higher studies
- Develop entrepreneurial skills among students and faculty
- Motivate faculty members to pursue and complete Ph.D.
- Motivate faculty to publish quality publications in UGC Care and Scopus-indexed journals and conferences
- Obtain funding for research and activities from Govt and NonGovt. Agencies
- Obtain Autonomy status for the Institution
- Strengthen innovation ecosystem