



YEARLY STATUS REPORT - 2022-2023

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, Rasayani, Tal. Khalapur
• City/Town	Dist. Raigad
• State/UT	Maharashtra
• Pin Code	410207
2.Institutional status	
• Affiliated /Constituent	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 Email 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
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	
Nil	Nil	Nil	Nil	Nil	
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	2
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	2015
11.Significant contributions made by IQAC during the current year (maximum five bullets)	
1. NBA Accreditation of UG program in Computer Engineering, Mechanical Engineering, Civil Engineering and Information Technology	
2. Successful submission of AQAR for AY 21-22, and Preparation of AQAR for AY 22-23.	
3. ISO 9001:2015 and ISO 21001:2018 Certification	
4. Industry sponsored & ISTE approved Six Days Short Term Training Program on "Challenges and Opportunities in Sustainable Energy Conservation, Utilization and Its Business Strategy during 19th to 24th September, 2022 and Funding of 5.91 Lakhs by ISRO SBDM for conducting sponsored training program on Capacity building on Space Based disaster management support and risk reduction for Maharashtra State during 20 - 25 March 2023	
5. Conducted 3-day National Level Hackathon aimed at providing a platform for students to showcase their coding skills and teamwork during 16 to 18 March 2023, a total number of 150+ teams from 14 states participated.	
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
To enhance IIC Rating for PHCET	PHCET IIC received 3.5 rating
To establish Technology Transfer Unit	Technology Transfer Unit was established for promoting IPR related activities
To provide funding through Pillai Innovation and incubation Centre, PHCET	Funding of Rs. 100000/- was provided for Go Cart Student Club
To obtain ISO 9001:2015 and ISO 21001:2018 certification	ISO Applications were successfully processed and audits were conducted
To receive accreditation by NBA for UG programs in Civil, IT, Computer and Mechanical Engineering	Civil and IT UG programs got NBA accredited for 3 years. Result for UG in Computer engineering and Mechanical engineering is awaited
To focus on research, innovation and entrepreneurship	Organized Hackathon, 3-day National Level Hackathon, Total no of patents files in AY 22-23 is 39
To participate in NIRF	PHCET obtained 151-300 band in innovation category. Application was submitted on 18 Feb 2023
To sign MoUs for training and skill development	3 MoUs were signed in Ay 22-23
To establish Industry supported laboratory	Industry supported laboratory were developed in collocation with REU Engineering, ISNEE motorsports, Anthony Garage
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
IQAC	03/06/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
AY 21-22	19/12/2022

15. Multidisciplinary / interdisciplinary

Vision of PHCET is to admit, educate and train for engineering graduation, a diverse population of students who are academically prepared to benefit from the Institute's infrastructure and experience to become responsible multidisciplinary professionals in a technical arena.

It will further attract, develop and retain, dedicated, excellent teachers, scholars and professionals from diverse backgrounds whose work give them visibility beyond the classroom and who are committed to making a significant difference in the lives of their students and the community.

We practices subject matter of two or more STEM subjects, which are combined into a single learning experience in integrated STEM learning. At entry level students have given exposure to learn foundation in STEM subjects. Their subject knowledge is assessed by periodic tests. Students make effective use of library to utilize the engineering components in STEM. Also we offer Value added credit based interdisciplinary courses across the disciplines for the attainment of a holistic and multidisciplinary education.

Institute has developed well established research center, to solve the real life problems. Institute has world class infrastructure facilities, highly qualified and research oriented and motivated faculty members which are involved in academic development and research activities. Our students pursue and successfully complete internationally recognized value added courses from basic to advanced level at the end of 1st, 2nd and 3rd year of undergraduate education. For example our students of UG Mechanical engineering completes solidworks global certificate named as Solidworks Associate in 2nd year and in 3rd year completes advanced level global certificate named as Solidworks Professional.

Institute is offering Honors/Minor degree credit based program to more multidisciplinary research endeavors. This will help to find solution in various interdisciplinary areas of engineering and societal issues. Through these initiatives during pandemic and till date our faculty and students have addressed various challenges.

The best practices like "Industry visit and Internship" are offered to promote Multidisciplinary / interdisciplinary approach in view of NEP 2020. We offer "Internship" to each student during semester break. During pandemic period our students have pursued internship and got chance to get paid internship. Internships helps engineering students to acquire in-demand multidisciplinary technical skills, helps to learn professional ethics or etiquette and helps in polishing the soft skills. Students get an opportunity to expose themselves to the actual work environment, contrasting with their textbook theories. Students may acquire their desire and decide their career path from the experience gained during internship.

Students of PHCET offered "Industry Visit" which gives the chance to gain on-the-job skills through working procedures and employment practices. As opposed to the theoretical knowledge being taught in the classroom, it exposes the students to modern workplace practices. This will help to improve employability skills of students. The objective of Industry visit is to help students gain first-hand information regarding application of instrumentation and control in process industry. During pandemic PHCET, offered virtual industry visits. Every semester, PHCET organizes at least two visits to industries as per domain in view of NEP 2020 to promote interdisciplinary approach.

16.Academic bank of credits (ABC):

PHCET is affiliated to University of Mumbai, Mumbai, Maharashtra. As per the directives of university, PHCET has initiated the process of student registration for creating ABC account. Faculties are encouraged to design and conduct Value Added Courses (VACs) to fulfill the requirements of NEP 2020. These VACs help students to develop practical skills and make them industry ready. For internationalization of education. PHCET has tie ups with international MOOCs platform like Coursera and Edx. Library is well equipped with E resources and variety of Journals and Magazines that help students and faculty to remain updated with recent trends and opportunities in various technical domains.

17.Skill development:

Pillai HOC College of Engineering and Technology aims to emphasize vocational education for improvement in skills of students. In order to make students ready as per industry requirements various skill development programmes are floated across all departments under National Skills Qualifications Framework.

PHCET provides guidance to students for internships during vacations and training under reputed institutes like Tata Power Skill Development Institute, EXCELR, etc. Under the National Service Scheme NSS, various activities are planned like tree plantation, blood donation, women's day, Kargil divas, constitution day, yoga day and meditation programmes. Our college is the remote centre of IIRS outreach program ISRO under which students are enrolled for various courses along with regular curriculum.

PHCET offers Honor and Minor courses to regular students to pursue study in their interest. Mechanical & Civil engineering students can learn IOT, Cyber security etc and Electrical/ECS/Computer/IT can study Robotics. Students have benefit in placements of having an honor/minor degree. Students are guided to register various NPTEL courses to make their fundamental basics strong. College provides training for students like PCB and Automation under the Skill India program to make them competitive in their respective field. PHCET has a research and incubation centre which gives exposure to students in exploring new ideas. Various workshops are conducted for students and faculties to cope up with the emerging technologies. Recently our students participated in a National level automobile competition named Starkers.

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

PHCET aims at promoting the Indian knowledge system, arts, cultural heritage and traditions. The institution is committed to incorporating the Indian Knowledge System into its curriculum. This involves conducting activities to introduce the Indian knowledge system, cultural and traditional diversities and creating new short term courses that incorporate Indian language, culture, and traditional knowledge. Bilingual delivery in English and vernacular languages is encouraged to the benefit of a diverse student group. The institution has a well equipped recording studio to provide online courses. Institute will include the 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 more inclusive and productive learning environment.

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. 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 a number of 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. 'Uberang' the annual community service day is observed very year and students under NSS mingle with the local community and mutual learning is achieved through these interactions.

PHCET believes that the integration of the Indian Knowledge System into the education system is vital for preserving and promoting our rich cultural heritage. So it will continue and increase its efforts in incorporating elements of the Indian Knowledge System, cultural and traditional practices in the teaching process. The institute will strive to ensure a comprehensive approach which offers deeper insights into Indian cosmology following the goals of NEP2020.

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

PHCET being an affiliated Institution with University of Mumbai, follows the curriculum structure offered by University of Mumbai. 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 initiatives to organize various workshops, seminars, orientation programs, industrial visits, etc. to strengthen the curriculum in order to meet OBE guidelines. This results in NBA re-accreditation of UG programs in Computer Engineering, Mechanical Engineering, Civil Engineering and Information Technology. Institute has obtained 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 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 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. 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 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, co-curricular and 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 box and ensure skill development with implementation of several concepts. A project environment also fosters group work, cordiality and minimally even collective bargaining. 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 has tie-ups with International MOOC offering platforms like Coursera and Edx for students, faculty, and staff. This ensures learners can access education to unlock their potential, without the barriers of cost or location. These platforms have thousands of job-relevant programs designed to give every ambitious learner a path to achievement. All these courses are made available to students, faculty, and staff free of cost. This helps faculty and staff as well to upgrade their skills and remain updated with latest trends in industry. Students are also made aware of NPTEL and IIT Spoken

tutorial courses relevant to their disciplines. Several faculty have joined NPTEL courses and completed certification with good ranking. For lectures, meetings and discussions after college working hours and on non-instructional days, PHCET has purchased license to Zoom - an online meeting platform. This helps students and faculty to remain connected after working hours. Our institution is committed to harnessing the power of technology for effective teaching and learning. We have implemented a variety of technological tools to create an engaging and interactive learning environment. Online lectures, webinars, virtual labs, and multimedia resources are integrated into our courses to facilitate a comprehensive learning experience. To promote blended learning, we have established a Digital Archive that serves as a centralized repository for course materials, assignments, and assessments. The Digital Archive enables students to access resources at their convenience, collaborate with peers, and submit assignments online. The institution's efforts towards blended learning are evident in our faculty development programs. We conduct regular workshops and training sessions to empower our 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. In addition to academic courses, our institution is committed to providing comprehensive skill development training to students. We offer a wide range of skill enhancement programs that cover areas such as

- 1) Rapid Prototyping (3D Printing, Additive Manufacturing)
- 2) Physical Education Assistant
- 3) Software Development
- 4) Domestic Electrician

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). These certifications validate their expertise in CAD software and enhance their employability in fields such as engineering and design.

Following are the supporting links:

- 1) Events: [Events - PHCET | Pillai HOC College of Engineering and](#)

[Technology](#)

2) Seminars/Webinars/workshops: [Seminars and Workshops - PHCET | Pillai HOC College of Engineering and Technology](#)

3) Digital Archive:

DSPACE Digital Library: <http://114.143.219.19/libspace/>

Search Books: <http://opac.mes.ac.in>

4) Value added Courses: (CSWA & CSWP) [Value Added Courses - PHCET | Pillai HOC College of Engineering and Technology](#)

Extended Profile

1.Programme

1.1 452

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

File Description	Documents
Data Template	View File

2.Student

2.1 1860

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 146

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 538

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	129
File Description	Documents
Data Template	View File
3.2 Number of sanctioned posts during the year	125
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	59
4.2 Total expenditure excluding salary during the year (INR in lakhs)	489.93
4.3 Total number of computers on campus for academic purposes	1060

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 to 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 and

end semester assessment, oral practical schedule etc. The academic calendar is distributed to faculty members and students prior to the commencement of semester. In adherence to the institute academic calendar, each department prepares their academic calendar.

A course academic plan is prepared by the course teacher that involves lesson plan, concept inventory, syllabus, experiment list, mapping with COs, PSOs, POs, MOOC courses etc. The team of domain coordinators and subject in-charges reviews the same and identifies the gaps in curriculum if any.

In addition to traditional classroom teaching, faculty members also use various ICT tools and active learning strategies. Review of coverage of the syllabus at each department is done by respective HoDs. The academic performance of students is continuously monitored by conducting module tests, Internal Assessment etc. during the semester to assess the learning levels of students. Study camp and prelims exams are conducted for preparing the students well before the end semester examinations.

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

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

PHCET strictly follows the academic calendar issued by the University of Mumbai and plans all its academic activities including the conduct of Continuous Internal Evaluation (CIE). The institute prepares an institute-level calendar and subsequently every department prepares its calendar. An academic calendar is prepared at the beginning of each semester in line with the University's calendar consisting of internal assessment 1, internal assessment 2, module-wise test, preliminary examination and tentative dates of end semester examination. The academic calendar after being approved by the principal is uploaded on the institute website, displayed on notice boards, and communicated to students and faculty through email/WhatsApp group /Google Classroom.

The conduct of Continuous Internal Evaluation adherence to the academic calendar is monitored through the following ways:-

1. **Internal Examinations-** Periodic review of syllabus coverage for IA1, IA2, assignments, lab write-ups and review of mini project and the major project is carried out regularly as per time table.

2. **Academic Monitoring-** The head of the Department maintains a monthly monitoring report on percentage of course coverage and the same reports to the principal.

3. **End semester examination -**The tentative dates for university exams are indicated in the academic calendar. All faculties ensure syllabus completions before end semester examination.

File Description	Documents
Upload relevant supporting document	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.

A. All of the above

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

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

11

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)

181

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

765

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 students' 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, Professional Practices to evolve professionalism among the students. These subjects comprise the modules based on Human Values, Pollution, Professional Ethics and etiquettes, Social and Gender issues.

NSS team organizes various health care webinars such as 'Green Bharat' -a step towards a Sustainable World, various blood donation camps, tree plantation activities, events such as 'World Environmental Day' to promote the sense of humanity. PHCET has collaborated with Energy Swaraj foundation and has organized various events, such as the webinar on "Role of Youth", Energy literacy drive and various virtual training program catering to upskill their knowledge on environment and sustainability. The Industry visit helps students to recognize the ill- effect of industries pollutants. 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 etiquettes among the students.

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

187

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
Institutional Data in Prescribed Format	View File

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

1730

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	https://phcet.ac.in/feedback/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may **A. Feedback collected, analyzed**

be classified as follows

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 students admitted during the year

399

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

146

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 on 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 course teacher organizes additional problem-solving sessions and tutorials for complex topics.

Webinars, expert lectures, and guest sessions on the latest technologies are organized in order 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 levels.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/students/student-activities/student-events/
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
1860	129

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. College NSS unit events like Blood Donation and Swachh Bharat Abhiyan enhance participatory learning. PHCET conducts national technical events like Hackathon for young engineers 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, CSI student chapter etc promotes 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.

5. The institute harnesses NPTEL and Coursera to supplement learning.

6. An extensive digital library augments learning with a variety of online resources.

7. Faculty members employ PowerPoint presentations, utilizing LCDs, projectors, digital

libraries, Smart TVs, light board recording systems and online sources for effective teaching content.

9. Online quizzes via Google Forms evaluate student performance after each unit.

10. Recorded video lectures in 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	View File

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

125

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

129

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

21

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

982

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 assessment tests, projects, and 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.

The assessment of term work is based on the performance and evaluation of assignments, case studies, project-based learning and experiments on a regular basis. Students are made aware of their grades/marks obtained in a particular assignment, experiment, case study etc. Two internal assessments are conducted for 20 marks and an average of two assessments is considered as 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 mechanism to deal with examination related grievances which transparent and conduction of CIE and rectification of grievances is time bound. Guidelines and rules issued by the affiliating university for internals and semester-end examinations.

At Institute level:

An exam committee, comprising of a senior teacher as convener and other staff as members, is constituted to handle the issues regarding evaluation process.

The teacher distributes evaluated answer scripts to students, if a student is not satisfied with the marks awarded even after resolved by the teacher, then he may represent the same to the HOD concerned.

Remedial classes are conducted for students who have failed in the examinations. Retest are conducted for Students who remain absent for internal exams due to genuine reason.

At University level:

If students have grievances related to 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 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 time bound, the fees will be refunded to the students if he/she clears the paper. The entire process is maintained transparent and time bound by the university.

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 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Course Objectives and Course Outcomes for each course are stated in the syllabus as prescribed by University of Mumbai. If required faculty can reframe the Course Outcomes (CO's) for implementation purposes without disturbing the core of the specified objectives and outcomes.

Course outcomes are available with the detailed syllabus for each course and its objectives on the institute website. Faculty includes the COs in their course file and the same is communicated to the students. Programme outcomes and Program specific outcomes are displayed at prominent locations of the department for staff, students and public view. PO's, PEOs, and PSOs of specific lab courses are printed on lab manuals and issued to all students at the beginning of every semester. POs and PSOs are communicated to employers and Alumni during the Alumni Meeting.

While addressing the students, the Principal, HODs create awareness on POs, PSOs and COs. The faculty members, mentors, course coordinators, also inform the students and create awareness and emphasize the need to attain the outcomes.

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 Programmes (exemplars from Glossary)	View File

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

Process of attainment of PO's and CO's is followed as prescribed by

the NBA. The direct and indirect assessment methods were considered for calculating attainment of CO's and PO's.

Mapping of each course outcome with end semester examination questions, assignments, practical's and internal assessment questions was carried out. Initially set the target value of marks for each subject by considering the difficulty level of the subject. Based on university curriculum weightage is given to each assessment head. For individual subjects, criteria for level selection (level-1-High, 2- Moderate, 3- Low) was decided by the subject teacher through analysis of previous years university examination results. The final level for each head was decided by comparing level criteria and percentage of students at and above set target value of marks. The course attainment was calculated by multiplying final level by weight percentage.

The PO's were mapped with CO's in the scale of 0, 1, 2 and 3 (0- No correlation, 1- Low, 2- Moderate and 3- Fully correlated). Final programme attainment was calculated by multiplying total attainment with PO and CO mapping scale. Same procedure was 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

472

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/about/mandatory-disclosures/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/igac/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)

6.47

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 teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

10

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

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

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

2

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://icssr.org/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

PHCET is committed to nurturing an innovative mindset among faculty and students. Institute has a policy for research and development and the same is included in the faculty handbook of the institute. The institute has a functional interdisciplinary research and innovation center on campus. Students are benefiting due to collaboration with industry by availing internships and placements from industries. Faculty members are motivated to apply for research grants from government and non-government bodies. Some faculty members received funding from the Department of Science and Technology. The institute provides duty leave and travel grants for faculty to attend STTPs, conferences and workshops organized in reputed institutes. Students and faculty are motivated, assisted and guided to apply for patent filing and have participated in various schemes like Yukti and KAPILA. Some patents are being granted and some are at the stage of product development.

Since 2020, the Institute Innovation Council (IIC) cell has been

functioning effectively with the rank of 3.5 out of 5. Faculty members have completed the "Innovation Ambassador" Foundation and advanced-level training. In A.Y. 2022-23, the institute is placed in the 151-300 NIRF innovation ranking of the Ministry of Education.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

29

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

6

File Description	Documents
URL to the research page on HEI website	https://phcet.ac.in/academics/ph-d/computer-engineering/program-overview/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

133

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

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

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

55

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

3.4 - Extension Activities

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

PHCET provides education to prepare the individual to find out one's inherent potentialities and develop the same to the maximum extent in order to derive utility for himself and contribute to society. Educational institutions are the important social agency whose contribution to the development of the society is most expected and the national development too is revolving around it. At PHCET, we try to provide the same. Community-oriented education and its extensional activities are the modern ideologies of Education. Extra-curricular activities open avenues for the students to make social participation and contribute to social empowerment through Community Service, Uberang, NSS, Student Council, Marathi Vagmay Mandal, Alumni Association, etc,. Many events like Blood Donation Camp, Cleanliness Drive, Self-defense Training for women, Environment Day Celebration, Shiv Jayanti Celebration etc, were conducted within

campus and in adopted villages. A road safety rally was organized in the village to create awareness. Different curricular and co-curricular activities were organized for the kids of nearby villages. Through all these activities students work for society directly and try to help them in a better way. These activities help in sensitizing students to social issues for their holistic development.

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

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

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise 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

3.4.3 - 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

3.4.3.1 - 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

22

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 during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1767

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

99

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

11

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 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 art computer labs, library, language lab, faculty rooms, seminar Halls with Audio Visual Facility like Auditorium, Conclave -1 and 2 Hall .These halls are regularly used for conducting various hands-on workshop STTP, FDP and seminars for students and faculty .

Labs have sufficient licensed software and open source tools to cater the requirements of 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. PHCET has an outreach centre for Indian Space Research Organisation (ISRO) under Indian Institute of Remote Sensing (IIRS) and has conducted more than 80 courses and 20 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-and-facilities/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, 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 national level. The institution has 8 acres of sports ground, 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.

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-and-facilities/academic-infrastructure/

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

59

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

398.34

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)

Library has created Digital Library (Institutional Repository) for Comprehensive Study materials like Lecture Notes, PPTs, Lab Manuals, Assignments, Experiments, Syllabus, Question Papers and all the other Academic relevant materials required by the users. DSpace, Open Source Software is used for developing the Digital Library. A dedicated Rack Server with remote access Facility is provided for the purpose.

PHCET Library is housed with modern amenities and situated on second floor of the Engineering building. PHCET Library being an integral part of learning and curriculum, enhancing the quality of academic

and research environment in the college. It has got a rich collection of more than 26,000 books in the field of Engineering, Technology and related disciplines. Library has subscribed to around 25,000 E-journals. Library houses an enviable collection of resources in the field of Engineering, Study Skills, Personality Development, General Management, Humanities, Science and allied subjects. The library has also created a learning environment by establishing Online Public Access Catalogue Search Area, internet browsing area for accessing e-resources, Laptop zone with Wi-Fi facility and specialized workstations like discussion room, Separate Room for rare documents and reference books.

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)

6.21

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

557

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-H81M-DS2 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 2010 etc, along with a range of open-source software like Scilab, packet tracer, latex, Pspice, tailored to specific lab requirements. The academic year 2022-23, the internet bandwidth was upgraded to 500 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/infrastructure-and-facilities/academic-infrastructure/

4.3.2 - Number of Computers

1060

File Description	Documents
Upload any additional information	View File
List of Computers	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)

91.58

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 for each department is responsible for ensuring that resources are ready to use. 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/faculty-handbook/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

1151

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 benefitted 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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

4

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

1606

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

1606

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

5.1.5 - The Institution has a transparent

A. All of the above

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

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

102

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	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

20

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

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	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.

24

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)

The framework of the Institute Student Council (SC) is followed as per guidelines given by University of Mumbai. Department Faculty Coordinator, who is subordinate to the Institute Faculty Coordinator (FC). The portfolios assigned are as follows: Vice President, Secretary, Sports Coordinator, Women's Coordinator, Caste Coordinator, and President. Department FC chooses these seven posts within their departments and proposes them for implementation. Institute SC is later created in front of the principal, HODs, and other senior faculty members.

SC participates in institute-level extracurricular and co-curricular activities. A class representative (CR) distributes all information to all classes via telegram groups, Whats App, and notifications. These SC coordinated in all directions to ensure that the activities were completed successfully and conducted a variety of events under the appropriate hierarchies.

There are various clubs that are active and managed by the students, including Kaya (Gym), Khoj (Lost and Found), Kreeda (Sports), Prayojana (Project), Raag (Music), Sadhana (Meditation), and Umeed (Determination). Co-curricular includes (celebrating days for biofuel, the environment, and water conservation), cultural (Euforia, an annual college festival), and technical (Prayog-Science Completion, Days for Innovation, Brain Storming, Environment, etc.). The SC oversees and organises sports, extracurricular and intramural events with great efficiency.

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

50

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: They 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 start-ups 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 event Alumni take an active role in planning and organizing "EUFORIA" and branding of the institute.

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

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

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 supports the transformation and inspiration of all those involved in the program to learn about and appreciate diversity and

to fulfill their academic obligations as responsible citizens. Institute competitions such as Avishkar, Hackathon, Mapathon, Toycathon, and Vishwakarma, as well as student-led IIC initiatives for smart, sustainable solutions.

Environmental awareness on campus includes things like recycling plastic, garbage management, solar power, and rainwater collection. The Institute has always supported the practice of bringing people together from a variety of social and ethnic backgrounds, genders, and sexual orientations to promote harmony. Examples of this include providing monitoring support to the Panvel Gurudwara during floods and COVID-19, as well as blood, food, mask, and shield donations during the pandemic. promoting wealth through cultural celebrations for national holidays like Diwali, Christmas, Onam, and regional holidays like Shivaji Jayanti, without regard to caste or creed. Every year the Institute conducts a community service day: Uberang for needy people. In this initiative students and faculty actively participate to serve the community.

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

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

The function of the PHCET is to achieve complete transparency through participatory management and to encourage quicker decision-making in relation to academic and administrative activities. PHCET has a structure in place for distributing power and giving each individual functional operational autonomy as they strive toward a decentralised governance system.

We employ a number of decentralisation techniques. The numerous academic, administrative, research and extracurricular activities that keep PHCET vibrant are managed by a number of committees. These committees are coordinated by faculty and staff, who also serve as members. PHCET fosters initiative on various levels. The governing body, principal, academic committee includes head of department, registrar, members of the IQAC, professors, staff, student council, stakeholders, and committee members propose that they work together to create, configure, and carry out their plans within the

constraints of the institution.

The Academic Committee in discussion with the head of departments and Principal, carefully plans and creates the Academic Calendar according to the University Calendar. The academic schedule and institutional practices are continuously monitored by the Principal. Department heads oversee the smooth operation of departmental operations. Academic activities are overseen by faculty members. Faculty conduct the academic and extracurricular activities like lecture, practical, examination, annual cultural fest etc.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/institute-organogram/
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 2022-23, various seminars and hands-on workshops were organized in both online and offline mode. In addition, the Institute offered value added courses and various MOOCs platforms to ensure industry readiness and promote skill development.

Faculty were encouraged and provided support and funding to publish quality research articles, books and file patents on research topics. IIC at PHCET conducted various activities on research, innovation and entrepreneurship and ensured that IIC members complete Innovation ambassador training programs and in turn train students and faculty. The NSS Unit of PHCET along with the student council organized various extension activities. Institute participated in NIRF and ARIIA ranking and efforts were taken to improve various aspects. PHCET was positioned in the band 151-300 in the innovation category. UG programs of IT and Civil engineering have been accredited by NBA for the period of 3 years. The Department of Computer engineering and Mechanical engineering have also applied for accreditation of UG programs. PHCET has submitted AQAR for AY 2021-22 and is planning to apply for NAAC 2nd Cycle.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://phcet.ac.in/about/institutional-committees/
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. 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 college development committee (CDC) prepares an overall comprehensive development plan of the college 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, constitution, and powers are well defined and followed by all members strictly. These committees conduct meetings on a regular basis 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 each and 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.

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. The institute offers free access to e-learning platforms like Edx and Coursera, enhancing online content quality. Facilities like on-call doctor, first aid room, 24x7 ambulance at the campus, bus facility with subsidized rates, common room and 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.

A maternity and paternity leave policies are in place, accessible to all employees. Faculty members working towards their Ph.D. degrees from reputed institutions were granted Duty Leave support. Similarly, those pursuing Ph.D. degrees from other universities were granted Duty leave. 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/faculty-handbook/
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

124

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

60

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

103

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 non-teaching 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/faculty-handbook/
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/mandatory-disclosures-annexure-10-ug-pg/
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)

9.52

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 e-resources 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/faculty-handbook/
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 has always believed in quality assurance at all levels and has set strategies and processes to ensure the same. PHCET faculty and students have filed several patents and copyrights in AY. 2022-23 on various innovative topics. As a result, in AY 2022-23, PHCET was positioned in the 151-300 band in the innovation category in the National Innovation Ranking framework (NIRF).

IIC at PHCET received a 3.5 rating for the AY 2022-23. The department of IT and Civil Engineering received NBA accreditation for their UG programs. The Department of Computer Engineering and Mechanical Engineering have completed evaluation for accreditation of UG programs in the second cycle and the result is awaited. PHCET has been regularly submitting AQAR over the past four academic years within the stipulated time period successfully. PHCET also ensures quality by conducting external audits for ISO, Green Energy, etc and follows several quality enhancement policies and procedures. PHCET IQAC conducts academic administrative audits and monitors academic and administrative activities in the Institution. Student feedback, grievances and suggestions are collected, analyzed and corrective action is taken as and when required. PHCET motivates faculty to organize and attend quality development programs and training and is focused towards faculty development.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/accreditation/atal-ranking-of-institutions-on-innovation-achievements-ariia/
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 is consistently in the front when it comes to implementing teaching and learning reforms through IQAC to improve academics. This includes Institute level academic audit, department level academic audits, lab audit, course file audit, verification of internal assessment question papers, remedial classes for slow learners, identifying the new processes/delivery methods through ICT tools and recommending the same for improving the quality of teaching learning.

Following reviews and implementations of teaching-learning reforms conducted during academic year through IQAC:

1. Guest lectures on advanced topics by eminent academicians and industry experts.
2. Practice of emerging technologies through mini projects and major projects.
3. Student and faculty participation in national/ international competitions
4. Faculty development through workshops, orientation programs, seminars and conferences.
5. Student and faculty involvement in the Innovation ecosystem.

To maintain quality and standard in teaching learning process PHCET is continuously taking part in ISO 9000 audit and is certified by ISO 9000-2015. PHCET is certified by green audit to secure the best practices for environmental sustainability. In addition to this, PHCET has continuously conducted Electric safety audits and Energy audits. These audits benefited to identify electrical hazards and to minimize the risk of accidents like fires due to short-circuiting.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/news-and-events/news-notifications/
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 Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://phcet.ac.in/about/mandatory-disclosures/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 that encourages gender equity. The institution treats all its staff and students in the same way irrespective of gender and promotes women empowerment by conducting various activities throughout the academic years. Under Women's cell various workshops, webinars were conducted to relieve faculty and students from stress and encourage them to lead a healthy lifestyle.

There is a separate counseling room with a personal counselor. The campus has a first aid room with a resting facility and doctor on

call. The college provides transport on a subsidized rate for students and free for the faculty and staff. There is 24/7 security on the campus; Along with security guards, round the clock CCTV surveillance is also provided. Provision of standby power supply ensures protection against power outages.

For maintaining Safety and Security of women, a Women's grievance redressal cell committee has been constituted. PHCET have constituted different committees like Anti-Sexual harassment and Anti-ragging Committee, Internal Complaints Committee to deal with any dereliction. These committee's main motive is to empower and uplift women in the field of science and technology and also motivates students and faculty to participate in both technical and non-technical events.

File Description	Documents
Annual gender sensitization action plan	https://docs.google.com/document/d/1sxVbqy8G_j4w6Uf0E5K-pSL3Znzlz9oq/edit?usp=sharing&ouid=112371772086403592282&rtpof=true&sd=true
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://docs.google.com/document/d/1AU-gSgxZNO6uXwX-GwgFR3Tj9rWmu8sL/edit#heading=h.gjdqxs

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

Each collection point is furnished with separate dustbins for the

storage of dry waste and wet waste. Biodegradable waste from the canteen is deposited in the compost bins where it is converted to manure. Non-degradable waste is taken to the dumping yard and collected by Municipality staff.

Liquid waste management:

Liquid waste includes Sewage and Cafeteria effluent waste: Sewage is collected with a proper underground sewer system which is connected to the inlet pipe of the septic tank built in the campus. The outlet of the septic tank is connected with the sub-main of gram panchayat?? which leads to the Sewage Treatment Plant, Rasayani.

Waste recycling system:

"Pet Bottle Reverse Vending Machine" is installed at PHCET. Plastic bottles used for packaging soft drinks and drinking water are fed into machines where they are crushed and converted to pet chips. The chips can be used for manufacturing other plastic products, in association with RIL.

E-Waste Management:

Hardware waste from labs such as CPU, ICs, computer system components etc. are scraped and stored at E-Waste Collection Cell (EWCC) then these components are separated and segregated as per their characteristic properties. The E-waste generated is used whenever there is minor repairs/change in hardware parts as replacements, minimizing the procurement cost. The E-waste generated in PHCET is used as partial replacement of Coarse Aggregate(CA) in combination with fly ash as part of Civil Engineering projects.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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 A. Any 4 or all of the above

campus

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:

A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	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 Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

5.

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 supports the transformation and inspiration of all those involved in the program to learn about and appreciate diversity and to fulfill their academic obligations as responsible citizens. Institute competitions such as Avishkar, Hackathon, Mapathon, Toycathon, and Vishwakarma, as well as student-led IIC initiatives

for smart, sustainable solutions.

Environmental awareness on campus includes things like recycling plastic, garbage management, solar power, and rainwater collection. The Institute has always supported the practice of bringing people together from a variety of social and ethnic backgrounds, genders, and sexual orientations to promote harmony. Examples of this include providing monitoring support to the Panvel Gurudwara during floods and COVID-19, as well as blood, food, mask, and shield donations during the pandemic. promoting wealth through cultural celebrations for national holidays like Diwali, Christmas, Onam, and regional holidays like Shivaji Jayanti, without regard to caste or creed. Every year the Institute conducts a community service day: Uberang for needy people. In this initiative students and faculty actively participate to serve the community.

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 conducts diversified events to sensitize students and employees to the constitutional obligation, values, rights, duties and responsibilities of the citizens. The institute creates various policies like anti-ragging policy, research policy and NISP policy etc., which reflects core values of PHCET. Faculty and staff handbook is prepared and available on the PHCET website for faculty and staff.
- Institute incorporates a few integral bodies that are committed to inculcating these obligations of national service; the bodies are NSS, ISRO outreach Centre, at PHCET, and various student forums. These bodies discern search programs and activities required to fulfil the realization of constitutional obligations.
- Institute has encouraged students and employees for National service during the pandemic. Institute organized Covid-19

Vaccination Drive. Institute has organized webinars on Suicide prevention, UI/UX Designing, Safer Internet, Intellectual Property Rights Awareness, Solution Challenge 2022, Effective CV writing and Interview Preparation, Future of Electronics as an Entrepreneur, Industry Expectations from Fresh Electrical Engineer.

- NSS unit of Institute fosters service to its community by organizing several events, Self-defence training, Tree Plantation, Blood-donation camp.
- Various student forums of the institute have organised several competitions such as coding competition 4.0, Fun Friday, Mech-Tek 23 , Business Idea Exhibition, Business plan competition etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://drive.google.com/file/d/12RIJUgcA23gWRqJrPW0toBJwAjQBlBcZ/view?usp=sharing
Any other relevant information	https://drive.google.com/file/d/12RIJUgcA23gWRqJrPW0toBJwAjQBlBcZ/view?usp=sharing

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 **A. All of the above**

4. Annual awareness programmes on Code of Conduct are organized

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

The institute makes tremendous efforts to make the students aware of the national pride and rich cultural heritage.

National/International commemorative days are regularly being celebrated and observed throughout the year. Students and faculty actively participate in all events. PHCET celebrates Teacher's day every year and felicitate Ph.D. awarded faculty on this auspicious day.

- In this academic year 2022-2023 various National/International commemorative days like, Independence Day, Aayakar Divas, Republic day, National Unity Day, International Women Day, International Yoga Day, Kargil Vijay Diwas, National Remote Sensing Day, Lokmanya Tilak Jayanti , Chandra shekhar Azad Jayanti, Shivaji Jayanyti were celebrated.
- Several events like, Reels Making Competition ,Drawing, Painting and Poster Making Competition on the occasion of 'Independence Day' , Poster Making Competition On 'Lokmanya Tilak Jayanti and Chandra Shekhar Azad Jayanti Celebration', Awareness Program On "National Innovation And Start Up Policy (NISP), National Workshop On 'QGIS: Hands on Training' were organised.
- National Festival, Dussehra, Diwali, Onam was also celebrated during AY 2022-23.

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.

Best Practice 1

Innovation Ambassador (IA) Training under IIC, PHCET

Objectives

- To foster the startup and innovation ecosystem on campus while establishing connections with regional and national ecosystem enablers.
- To mentor young minds in their quest of innovation and entrepreneurship by faculty mentors.
- To enhance the appropriate mentoring skills.
- To improve mentors' ability to mentor students in IPR, innovation, and entrepreneurship through a series of training programs and designate the mentor as Innovation Ambassador.
- To serve as an Innovation Ambassador and perform the role of mentor in the planning of various programs in the field of innovation and entrepreneurship and to educate faculty and students about these topics.

Best Practices 2:

Design, development and optimization of motorsport vehicle (Quad Bike/Go-Kart)

2. Objectives

- **Hands-on Engineering Experience:** Design, build, and test vehicles in real-world scenarios.
- **Skill Enhancement:** Develop practical skills in design, CAD, manufacturing, and project management.

- **Industry Exposure:** Connect with professionals, opening doors to internships and jobs.
 - **Networking:** Build valuable contacts among peers and industry experts.
 - **Leadership:** Take on roles managing teams and projects, honing leadership abilities.
 - **Problem-Solving:** Tackle complex engineering challenges, fostering innovative thinking.
 - **Resume Booster:** Stand out with practical experience, commitment, and passion.
 - **Competitive Edge:** Success in national competitions highlights expertise to employers.
 - **Personal Growth:** Develop teamwork, time management, resilience, and more.
- Details are available at PHCET website <https://phcet.ac.in/iqac/phcet-iqac/>

File Description	Documents
Best practices in the Institutional website	https://phcet.ac.in/iqac/phcet-iqac/
Any other relevant information	https://phcet.ac.in/iqac/phcet-iqac/

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

The PHCET motto, Vidya Karmasu Kaushalam (Knowledge is Excellence at Work), serves as the centre of gravity for both the institute's academic and research activities. Since PHCET's inception, the pursuit of quality and excellence has been continuously pursued.

PHCET has established "The National Institutional Ranking Framework (NIRF)" since 2021. NIRF was approved by the MHRD and launched by the Honourable Minister of Human Resource Development on 29th September 2015. This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations broad understanding arrived at by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover "Teaching, Learning and Resources," "Research and Professional Practices," "Graduation Outcomes," "Outreach and

Inclusivity," and "Perception".

Since then PHCET, is actively involved in organizing and conducting various seminars, workshops, Industry expert talks, Idea competitions, National level Hackathon, MOUs with various industries etc. for students and faculties. PHCET encourages graduates to register start-ups, patent registration, nomination of ideas through YUKTI - National Innovation Repository (NIR) and KAPILA scheme.

These initiatives at PHCET resulted in NIRF India ranking in academic year 2022-23. PHCET is positioned in the Band of 151-300 in the innovation category.

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 to 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 and end semester assessment, oral practical schedule etc. The academic calendar is distributed to faculty members and students prior to the commencement of semester. In adherence to the institute academic calendar, each department prepares their academic calendar.

A course academic plan is prepared by the course teacher that involves lesson plan, concept inventory, syllabus, experiment list, mapping with COs, PSOs, POs, MOOC courses etc. The team of domain coordinators and subject in-charges reviews the same and identifies the gaps in curriculum if any.

In addition to traditional classroom teaching, faculty members also use various ICT tools and active learning strategies. Review of coverage of the syllabus at each department is done by respective HoDs. The academic performance of students is continuously monitored by conducting module tests, Internal Assessment etc. during the semester to assess the learning levels of students. Study camp and prelims exams are conducted for preparing the students well before the end semester examinations.

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

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

PHCET strictly follows the academic calendar issued by the

University of Mumbai and plans all its academic activities including the conduct of Continuous Internal Evaluation (CIE). The institute prepares an institute-level calendar and subsequently every department prepares its calendar. An academic calendar is prepared at the beginning of each semester in line with the University's calendar consisting of internal assessment 1, internal assessment 2, module-wise test, preliminary examination and tentative dates of end semester examination. The academic calendar after being approved by the principal is uploaded on the institute website, displayed on notice boards, and communicated to students and faculty through email/WhatsApp group /Google Classroom.

The conduct of Continuous Internal Evaluation adherence to the academic calendar is monitored through the following ways:-

1. Internal Examinations- Periodic review of syllabus coverage for IA1, IA2, assignments, lab write-ups and review of mini project and the major project is carried out regularly as per time table.
2. Academic Monitoring- The head of the Department maintains a monthly monitoring report on percentage of course coverage and the same reports to the principal.
3. End semester examination -The tentative dates for university exams are indicated in the academic calendar. All faculties ensure syllabus completions before end semester examination.

File Description	Documents
Upload relevant supporting document	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/

A. All of the above

Diploma Courses Assessment /evaluation process of the affiliating University	
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	
11	
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)	
181	
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	
765	

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	
<p>PHCET ensures that the students' 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, Professional Practices to evolve professionalism among the students. These subjects comprise the modules based on Human Values, Pollution, Professional Ethics and etiquettes, Social and Gender issues.</p> <p>NSS team organizes various health care webinars such as 'Green Bharat' -a step towards a Sustainable World, various blood donation camps, tree plantation activities, events such as 'World Environmental Day' to promote the sense of humanity. PHCET has collaborated with Energy Swaraj foundation and has organized various events, such as the webinar on "Role of Youth", Energy literacy drive and various virtual training program catering to upskill their knowledge on environment and sustainability. The Industry visit helps students to recognize the ill- effect of industries pollutants. 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 etiquettes among the students.</p>	
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**187**

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
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships**1730**

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	https://phcet.ac.in/feedback/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	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 students admitted during the year

399

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

146

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 on 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 course teacher organizes additional problem-solving sessions and tutorials for complex topics.

Webinars, expert lectures, and guest sessions on the latest technologies are organized in order 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 levels.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/students/student-activities/student-events/
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
1860	129

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. College NSS unit events like Blood Donation and Swachh Bharat Abhiyan enhance participatory learning. PHCET conducts national technical events like Hackathon for young engineers 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, CSI student chapter etc promotes 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.

5. The institute harnesses NPTEL and Coursera to supplement learning.

6. An extensive digital library augments learning with a variety of online resources.

7. Faculty members employ PowerPoint presentations, utilizing LCDs, projectors, digital

libraries, Smart TVs, light board recording systems and online sources for effective teaching content.

9. Online quizzes via Google Forms evaluate student performance after each unit.

10. Recorded video lectures in 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	View File

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

125

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

129

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

21	
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	
982	
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.	
<p>The academic calendar of the institute provides planned dates for internal assessment tests, projects, and 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.</p> <p>The assessment of term work is based on the performance and evaluation of assignments, case studies, project-based learning and experiments on a regular basis. Students are made aware of their grades/marks obtained in a particular assignment, experiment, case study etc. Two internal assessments are conducted for 20 marks and an average of two assessments is considered as 20% of the total weightage in each theory subject along with an end semester examination of 80 marks.</p>	

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-notices/

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

The institute has devised an efficient mechanism to deal with examination related grievances which transparent and conduction of CIE and rectification of grievances is time bound. Guidelines and rules issued by the affiliating university for internals and semester-end examinations.

At Institute level:

An exam committee, comprising of a senior teacher as convener and other staff as members, is constituted to handle the issues regarding evaluation process.

The teacher distributes evaluated answer scripts to students, if a student is not satisfied with the marks awarded even after resolved by the teacher, then he may represent the same to the HOD concerned.

Remedial classes are conducted for students who have failed in the examinations. Retest are conducted for Students who remain absent for internal exams due to genuine reason.

At University level:

If students have grievances related to 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 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 time bound, the fees will be refunded to the students if he/she clears the paper. The entire process is maintained transparent and time bound by the university.

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

2.6 - Student Performance and Learning Outcomes

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

Course Objectives and Course Outcomes for each course are stated in the syllabus as prescribed by University of Mumbai. If required faculty can reframe the Course Outcomes (CO's) for implementation purposes without disturbing the core of the specified objectives and outcomes.

Course outcomes are available with the detailed syllabus for each course and its objectives on the institute website. Faculty includes the COs in their course file and the same is communicated to the students. Programme outcomes and Program specific outcomes are displayed at prominent locations of the department for staff, students and public view. PO's, PEOs, and PSOs of specific lab courses are printed on lab manuals and issued to all students at the beginning of every semester. POs and PSOs are communicated to employers and Alumni during the Alumni Meeting.

While addressing the students, the Principal, HODs create awareness on POs, PSOs and COs. The faculty members, mentors, course coordinators, also inform the students and create awareness and emphasize the need to attain the outcomes.

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 Programmes (exemplars from Glossary)	View File

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

Process of attainment of PO's and CO's is followed as prescribed by the NBA. The direct and indirect assessment methods were considered for calculating attainment of CO's and PO's.

Mapping of each course outcome with end semester examination questions, assignments, practical's and internal assessment questions was carried out. Initially set the target value of marks for each subject by considering the difficulty level of the subject. Based on university curriculum weightage is given to each assessment head. For individual subjects, criteria for level selection (level-1-High, 2- Moderate, 3- Low) was decided by the subject teacher through analysis of previous years university examination results. The final level for each head was decided by comparing level criteria and percentage of students at and above set target value of marks. The course attainment was calculated by multiplying final level by weight percentage.

The PO's were mapped with CO's in the scale of 0, 1, 2 and 3 (0- No correlation, 1- Low, 2- Moderate and 3- Fully correlated). Final programme attainment was calculated by multiplying total attainment with PO and CO mapping scale. Same procedure was 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

472

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/about/mandatory-disclosures/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/igac/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)

6.47

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 teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

10

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

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

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

2

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://icssr.org/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

PHCET is committed to nurturing an innovative mindset among faculty and students. Institute has a policy for research and development and the same is included in the faculty handbook of the institute. The institute has a functional interdisciplinary research and innovation center on campus. Students are benefiting due to collaboration with industry by availing internships and placements from industries. Faculty members are motivated to apply for research grants from government and non-government bodies. Some faculty members received funding from the Department of Science and Technology. The institute provides duty leave and travel grants for faculty to attend STTPs, conferences and workshops organized in reputed institutes. Students and faculty are motivated, assisted and guided to apply for patent filing and have participated in various schemes like Yukti and KAPILA. Some patents are being granted and some are at the stage of product

development.

Since 2020, the Institute Innovation Council (IIC) cell has been functioning effectively with the rank of 3.5 out of 5. Faculty members have completed the "Innovation Ambassador" Foundation and advanced-level training. In A.Y. 2022-23, the institute is placed in the 151-300 NIRF innovation ranking of the Ministry of Education.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

29

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

6

File Description	Documents
URL to the research page on HEI website	https://phcet.ac.in/academics/ph-d/computer-engineering/program-overview/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

133

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

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

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

55

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

3.4 - Extension Activities

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

PHCET provides education to prepare the individual to find out

one's inherent potentialities and develop the same to the maximum extent in order to derive utility for himself and contribute to society. Educational institutions are the important social agency whose contribution to the development of the society is most expected and the national development too is revolving around it. At PHCET, we try to provide the same. Community-oriented education and its extensional activities are the modern ideologies of Education. Extra-curricular activities open avenues for the students to make social participation and contribute to social empowerment through Community Service, Uberang, NSS, Student Council, Marathi Vagmay Mandal, Alumni Association, etc,. Many events like Blood Donation Camp, Cleanliness Drive, Self-defense Training for women, Environment Day Celebration, Shiv Jayanti Celebration etc, were conducted within campus and in adopted villages. A road safety rally was organized in the village to create awareness. Different curricular and co-curricular activities were organized for the kids of nearby villages. Through all these activities students work for society directly and try to help them in a better way. These activities help in sensitizing students to social issues for their holistic development.

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

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

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise 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

3.4.3 - 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

3.4.3.1 - 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

22

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 during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1767

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

99

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

11

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 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 art computer labs, library, language lab, faculty rooms, seminar Halls with Audio Visual Facility like Auditorium, Conclave -1 and 2 Hall .These halls are regularly used for conducting various hands-on workshop STTP, FDP and seminars for students and faculty .

Labs have sufficient licensed software and open source tools to

cater the requirements of 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. PHCET has an outreach centre for Indian Space Research Organisation (ISRO) under Indian Institute of Remote Sensing (IIRS) and has conducted more than 80 courses and 20 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-and-facilities/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, 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 national level. The institution has 8 acres of sports ground, 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.

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-and-facilities/academic-infrastructure/

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

59

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

398.34

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)

Library has created Digital Library (Institutional Repository) for Comprehensive Study materials like Lecture Notes, PPTs, Lab Manuals, Assignments, Experiments, Syllabus, Question Papers and all the other Academic relevant materials required by the users. DSpace, Open Source Software is used for developing the Digital Library. A dedicated Rack Server with remote access Facility is provided for the purpose.

PHCET Library is housed with modern amenities and situated on second floor of the Engineering building. PHCET Library being an integral part of learning and curriculum, enhancing the quality of academic and research environment in the college. It has got a rich collection of more than 26,000 books in the field of Engineering, Technology and related disciplines. Library has subscribed to around 25,000 E-journals. Library houses an enviable collection of resources in the field of Engineering, Study Skills, Personality Development, General Management, Humanities, Science and allied subjects. The library has also created a learning environment by establishing Online Public Access Catalogue Search Area, internet browsing area for accessing e-resources, Laptop zone with Wi-Fi facility and specialized workstations like discussion room, Separate Room for rare documents and reference books.

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)

6.21

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

557

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-H81M-DS2 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 2010 etc, along with a range of open-source software like Scilab, packet tracer, latex, Pspice, tailored to specific lab requirements. The academic year 2022-23, the internet bandwidth was upgraded to 500 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/infrastructure-and-facilities/academic-infrastructure/

4.3.2 - Number of Computers

1060

File Description	Documents
Upload any additional information	View File
List of Computers	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)

91.58

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 for each department is responsible for ensuring that resources are ready to use. 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/faculty-handbook/

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

1151

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

4

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	
1606	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1606	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent	A. All of the above

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

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

102

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	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

20

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

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	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.

24

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)

The framework of the Institute Student Council (SC) is followed as per guidelines given by University of Mumbai. Department Faculty Coordinator, who is subordinate to the Institute Faculty Coordinator (FC). The portfolios assigned are as follows: Vice President, Secretary, Sports Coordinator, Women's Coordinator, Caste Coordinator, and President. Department FC chooses these seven posts within their departments and proposes them for implementation. Institute SC is later created in front of the principal, HODs, and other senior faculty members.

SC participates in institute-level extracurricular and co-curricular activities. A class representative (CR) distributes all information to all classes via telegram groups, Whats App, and notifications. These SC coordinated in all directions to ensure that the activities were completed successfully and conducted a variety of events under the appropriate hierarchies.

There are various clubs that are active and managed by the students, including Kaya (Gym), Khoj (Lost and Found), Kreedha (Sports), Prayojana (Project), Raag (Music), Sadhana (Meditation), and Umeed (Determination). Co-curricular includes (celebrating days for biofuel, the environment, and water conservation), cultural (Euforia, an annual college festival), and technical (Prayog-Science Completion, Days for Innovation, Brain Storming, Environment, etc.). The SC oversees and organises sports, extracurricular and intramural events with great efficiency.

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

50

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: They 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 start-ups 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 event Alumni take an active role in planning and organizing "EUFORIA" and branding of the institute.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/alumni/alumni-registration/
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 supports the transformation and inspiration of all those involved in the program to learn about and appreciate diversity

and to fulfill their academic obligations as responsible citizens. Institute competitions such as Avishkar, Hackathon, Mapathon, Toycathon, and Vishwakarma, as well as student-led IIC initiatives for smart, sustainable solutions.

Environmental awareness on campus includes things like recycling plastic, garbage management, solar power, and rainwater collection. The Institute has always supported the practice of bringing people together from a variety of social and ethnic backgrounds, genders, and sexual orientations to promote harmony. Examples of this include providing monitoring support to the Panvel Gurudwara during floods and COVID-19, as well as blood, food, mask, and shield donations during the pandemic. Promoting wealth through cultural celebrations for national holidays like Diwali, Christmas, Onam, and regional holidays like Shivaji Jayanti, without regard to caste or creed. Every year the Institute conducts a community service day: Uberang for needy people. In this initiative students and faculty actively participate to serve the community.

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

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

The function of the PHCET is to achieve complete transparency through participatory management and to encourage quicker decision-making in relation to academic and administrative activities. PHCET has a structure in place for distributing power and giving each individual functional operational autonomy as they strive toward a decentralised governance system.

We employ a number of decentralisation techniques. The numerous academic, administrative, research and extracurricular activities that keep PHCET vibrant are managed by a number of committees. These committees are coordinated by faculty and staff, who also serve as members. PHCET fosters initiative on various levels. The governing body, principal, academic committee includes head of department, registrar, members of the IQAC, professors, staff, student council, stakeholders, and committee members propose that

they work together to create, configure, and carry out their plans within the constraints of the institution.

The Academic Committee in discussion with the head of departments and Principal, carefully plans and creates the Academic Calendar according to the University Calendar. The academic schedule and institutional practices are continuously monitored by the Principal. Department heads oversee the smooth operation of departmental operations. Academic activities are overseen by faculty members. Faculty conduct the academic and extracurricular activities like lecture, practical, examination, annual cultural fest etc.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/about/institute-organogram/
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 2022-23, various seminars and hands-on workshops were organized in both online and offline mode. In addition, the Institute offered value added courses and various MOOCs platforms to ensure industry readiness and promote skill development.

Faculty were encouraged and provided support and funding to publish quality research articles, books and file patents on research topics. IIC at PHCET conducted various activities on research, innovation and entrepreneurship and ensured that IIC members complete Innovation ambassador training programs and in turn train students and faculty. The NSS Unit of PHCET along with the student council organized various extension activities. Institute participated in NIRF and ARIIA ranking and efforts were taken to improve various aspects. PHCET was positioned in the band 151-300 in the innovation category. UG programs of IT and Civil engineering have been accredited by NBA for the period of 3 years. The Department of Computer engineering and Mechanical

engineering have also applied for accreditation of UG programs. PHCET has submitted AQAR for AY 2021-22 and is planning to apply for NAAC 2nd Cycle.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://phcet.ac.in/about/institutional-committees/
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. 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 college development committee (CDC) prepares an overall comprehensive development plan of the college 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, constitution, and powers are well defined and followed by all members strictly. These committees conduct meetings on a regular basis 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 each and 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.

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 inter faces	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. The institute offers free access to e-learning platforms like Edx and Coursera, enhancing online content quality. Facilities like on-call doctor, first aid room, 24X 7 ambulance at the campus, bus facility with subsidized rates, common room and 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.

A maternity and paternity leave policies are in place, accessible to all employees. Faculty members working towards their Ph.D. degrees from reputed institutions were granted Duty Leave support. Similarly, those pursuing Ph.D. degrees from other universities were granted Duty leave. 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/faculty-handbook/
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

124

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

60

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

103

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 non-teaching 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/faculty-handbook/
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/mandatory-disclosures-annexure-10-ug-pg/
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)

9.52

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 e-resources 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/faculty-handbook/
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 has always believed in quality assurance at all levels and has set strategies and processes to ensure the same. PHCET faculty and students have filed several patents and copyrights in AY. 2022-23 on various innovative topics. As a result, in AY 2022-23, PHCET was positioned in the 151-300 band in the innovation category in the National Innovation Ranking framework (NIRF).

IIC at PHCET received a 3.5 rating for the AY 2022-23. The department of IT and Civil Engineering received NBA accreditation for their UG programs. The Department of Computer Engineering and Mechanical Engineering have completed evaluation for accreditation of UG programs in the second cycle and the result is awaited. PHCET has been regularly submitting AQAR over the past four academic years within the stipulated time period successfully. PHCET also ensures quality by conducting external audits for ISO, Green Energy, etc and follows several quality enhancement policies and procedures. PHCET IQAC conducts academic administrative audits and monitors academic and administrative activities in the Institution. Student feedback, grievances and

suggestions are collected, analyzed and corrective action is taken as and when required. PHCET motivates faculty to organize and attend quality development programs and training and is focused towards faculty development.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/accreditation/atal-ranking-of-institutions-on-innovation-achievements-ariaa/
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 is consistently in the front when it comes to implementing teaching and learning reforms through IQAC to improve academics. This includes Institute level academic audit, department level academic audits, lab audit, course file audit, verification of internal assessment question papers, remedial classes for slow learners, identifying the new processes/delivery methods through ICT tools and recommending the same for improving the quality of teaching learning.

Following reviews and implementations of teaching-learning reforms conducted during academic year through IQAC:

1. Guest lectures on advanced topics by eminent academicians and industry experts.
2. Practice of emerging technologies through mini projects and major projects.
3. Student and faculty participation in national/ international competitions
4. Faculty development through workshops, orientation programs, seminars and conferences.
5. Student and faculty involvement in the Innovation ecosystem.

To maintain quality and standard in teaching learning process PHCET is continuously taking part in ISO 9000 audit and is

certified by ISO 9000-2015. PHCET is certified by green audit to secure the best practices for environmental sustainability. In addition to this, PHCET has continuously conducted Electric safety audits and Energy audits. These audits benefited to identify electrical hazards and to minimize the risk of accidents like fires due to short-circuiting.

File Description	Documents
Paste link for additional information	https://phcet.ac.in/news-and-events/news-notifications/
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 Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://phcet.ac.in/about/mandatory-disclosures/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 that encourages gender equity. The

institution treats all its staff and students in the same way irrespective of gender and promotes women empowerment by conducting various activities throughout the academic years. Under Women's cell various workshops, webinars were conducted to relieve faculty and students from stress and encourage them to lead a healthy lifestyle.

There is a separate counseling room with a personal counselor. The campus has a first aid room with a resting facility and doctor on call. The college provides transport on a subsidized rate for students and free for the faculty and staff. There is 24/7 security on the campus; Along with security guards, round the clock CCTV surveillance is also provided. Provision of standby power supply ensures protection against power outages.

For maintaining Safety and Security of women, a Women's grievance redressal cell committee has been constituted. PHCET have constituted different committees like Anti-Sexual harassment and Anti-ragging Committee, Internal Complaints Committee to deal with any dereliction. These committee's main motive is to empower and uplift women in the field of science and technology and also motivates students and faculty to participate in both technical and non-technical events.

File Description	Documents
Annual gender sensitization action plan	https://docs.google.com/document/d/1sxVbqy8G_j4w6Uf0E5K-pSL3Znzlz9oq/edit?usp=sharing&oid=112371772086403592282&rtpof=true&sd=true
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://docs.google.com/document/d/1AU-gSg_xZNO6uXwX-GwqFR3Tj9rWmu8sL/edit#heading=h.gjdgxs

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

Each collection point is furnished with separate dustbins for the storage of dry waste and wet waste. Biodegradable waste from the canteen is deposited in the compost bins where it is converted to manure. Non-degradable waste is taken to the dumping yard and collected by Municipality staff.

Liquid waste management:

Liquid waste includes Sewage and Cafeteria effluent waste: Sewage is collected with a proper underground sewer system which is connected to the inlet pipe of the septic tank built in the campus. The outlet of the septic tank is connected with the sub-main of gram panchayat?? which leads to the Sewage Treatment Plant, Rasayani.

Waste recycling system:

"Pet Bottle Reverse Vending Machine" is installed at PHCET. Plastic bottles used for packaging soft drinks and drinking water are fed into machines where they are crushed and converted to pet chips. The chips can be used for manufacturing other plastic products, in association with RIL.

E-Waste Management:

Hardware waste from labs such as CPU, ICs, computer system components etc. are scraped and stored at E-Waste Collection Cell (EWCC) then these components are separated and segregated as per their characteristic properties. The E-waste generated is used whenever there is minor repairs/change in hardware parts as replacements, minimizing the procurement cost. The E-waste generated in PHCET is used as partial replacement of Coarse Aggregate(CA) in combination with fly ash as part of Civil Engineering projects.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	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

A. Any 4 or all of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	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 supports the transformation and inspiration of all those involved in the program to learn about and appreciate diversity and to fulfill their academic obligations as responsible citizens. Institute competitions such as Avishkar, Hackathon, Mapathon, Toycathon, and Vishwakarma, as well as student-led IIC initiatives for smart, sustainable solutions.

Environmental awareness on campus includes things like recycling plastic, garbage management, solar power, and rainwater collection. The Institute has always supported the practice of bringing people together from a variety of social and ethnic backgrounds, genders, and sexual orientations to promote harmony. Examples of this include providing monitoring support to the Panvel Gurudwara during floods and COVID-19, as well as blood, food, mask, and shield donations during the pandemic. Promoting wealth through cultural celebrations for national holidays like Diwali, Christmas, Onam, and regional holidays like Shivaji Jayanti, without regard to caste or creed. Every year the Institute conducts a community service day: Uberang for needy people. In this initiative students and faculty actively participate to serve the community.

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 conducts diversified events to sensitize students and employees to the constitutional obligation, values, rights, duties and responsibilities of the citizens. The institute creates various policies like anti-ragging policy, research policy and NISP policy etc., which reflects core values of PHCET. Faculty and staff handbook is prepared and available on the PHCET website for faculty and staff.
- Institute incorporates a few integral bodies that are committed to inculcating these obligations of national

service; the bodies are NSS, ISRO outreach Centre, at PHCET, and various student forums. These bodies discern search programs and activities required to fulfil the realization of constitutional obligations.

- Institute has encouraged students and employees for National service during the pandemic. Institute organized Covid-19 Vaccination Drive. Institute has organized webinars on Suicide prevention, UI/UX Designing, Safer Internet, Intellectual Property Rights Awareness, Solution Challenge 2022, Effective CV writing and Interview Preparation, Future of Electronics as an Entrepreneur, Industry Expectations from Fresh Electrical Engineer.
- NSS unit of Institute fosters service to its community by organizing several events, Self-defence training, Tree Plantation, Blood-donation camp.
- Various student forums of the institute have organised several competitions such as coding competition 4.0, Fun Friday, Mech- Tek 23 , Business Idea Exhibition, Business plan competition etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://drive.google.com/file/d/12RIJUgcA23gWRqJrPWotoBJwAjQBlBcZ/view?usp=sharing
Any other relevant information	https://drive.google.com/file/d/12RIJUgcA23gWRqJrPWotoBJwAjQBlBcZ/view?usp=sharing

<p>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</p>	<p>A. All of the above</p>
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organized	
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	
<p>The institute makes tremendous efforts to make the students aware of the national pride and rich cultural heritage. National/International commemorative days are regularly being celebrated and observed throughout the year. Students and faculty actively participate in all events. PHCET celebrates Teacher's day every year and felicitate Ph.D. awarded faculty on this auspicious day.</p> <ul style="list-style-type: none"> • In this academic year 2022-2023 various National/International commemorative days like, Independence Day, Aayakar Divas, Republic day, National Unity Day, International Women Day, International Yoga Day, Kargil Vijay Diwas, National Remote Sensing Day, Lokmanya Tilak Jayanti , Chandra shekhar Azad Jayanti, Shivaji Jayanyti were celebrated. • Several events like, Reels Making Competition ,Drawing, Painting and Poster Making Competition on the occasion of 'Independence Day' , Poster Making Competition On 'Lokmanya Tilak Jayanti and Chandra Shekhar Azad Jayanti Celebration', Awareness Program On "National Innovation And Start Up Policy (NISP), National Workshop On 'QGIS: Hands on Training' were organised. • National Festival, Dussehra, Diwali, Onam was also celebrated during AY 2022-23. 	

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.

Best Practice 1

Innovation Ambassador (IA) Training under IIC, PHCET

Objectives

- To foster the startup and innovation ecosystem on campus while establishing connections with regional and national ecosystem enablers.
- To mentor young minds in their quest of innovation and entrepreneurship by faculty mentors.
- To enhance the appropriate mentoring skills.
- To improve mentors' ability to mentor students in IPR, innovation, and entrepreneurship through a series of training programs and designate the mentor as Innovation Ambassador.
- To serve as an Innovation Ambassador and perform the role of mentor in the planning of various programs in the field of innovation and entrepreneurship and to educate faculty and students about these topics.

Best Practices 2:

Design, development and optimization of motorsport vehicle (Quad Bike/Go-Kart)

2. Objectives

- **Hands-on Engineering Experience:** Design, build, and test vehicles in real-world scenarios.

- **Skill Enhancement:** Develop practical skills in design, CAD, manufacturing, and project management.

- **Industry Exposure:** Connect with professionals, opening doors to internships and jobs.
- **Networking:** Build valuable contacts among peers and industry experts.
- **Leadership:** Take on roles managing teams and projects, honing leadership abilities.
- **Problem-Solving:** Tackle complex engineering challenges, fostering innovative thinking.
- **Resume Booster:** Stand out with practical experience, commitment, and passion.
- **Competitive Edge:** Success in national competitions highlights expertise to employers.
- **Personal Growth:** Develop teamwork, time management, resilience, and more.

- **Details are available at PHCET website**
<https://phcet.ac.in/iqac/phcet-iqac/>

File Description	Documents
Best practices in the Institutional website	https://phcet.ac.in/iqac/phcet-iqac/
Any other relevant information	https://phcet.ac.in/iqac/phcet-iqac/

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

The PHCET motto, Vidya Karmasu Kaushalam (Knowledge is Excellence at Work), serves as the centre of gravity for both the institute's academic and research activities. Since PHCET's inception, the pursuit of quality and excellence has been continuously pursued.

PHCET has established "The National Institutional Ranking Framework (NIRF)" since 2021. NIRF was approved by the MHRD and launched by the Honourable Minister of Human Resource Development on 29th September 2015. This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations broad understanding arrived at by a

Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover "Teaching, Learning and Resources," "Research and Professional Practices," "Graduation Outcomes," "Outreach and Inclusivity," and "Perception".

Since then PHCET, is actively involved in organizing and conducting various seminars, workshops, Industry expert talks, Idea competitions, National level Hackathon, MOUs with various industries etc. for students and faculties. PHCET encourages graduates to register start-ups, patent registration, nomination of ideas through YUKTI - National Innovation Repository (NIR) and KAPILA scheme.

These initiatives at PHCET resulted in NIRF India ranking in academic year 2022-23. PHCET is positioned in the Band of 151-300 in the innovation category.

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

1. Apply for NAAC Second Cycle
2. Reaccreditation of NBA for UG Programs in Computer and Mechanical Engineering
3. NBA Accreditation For UG Programs in Civil Engineering and Information Technology
4. Permanent affiliation of the Institute (Visit report is submitted to University of Mumbai and result is awaited)
5. Increase in Intake for UG program in Information Technology
6. New PG Program in Civil Engineering
7. Encourage faculty to pursue higher studies (Ph.D)
8. Encourage quality research work and publications

9. Approach Funding Agencies

10. Industries Institute lectureship programme

11. Internship for Every student