



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>P. E. S. COLLEGE OF ENGINEERING, AURANGABAD</b>
• Name of the Head of the institution	<b>Dr. Abheejit P. Wadekar</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>02402403001</b>
• Mobile no	<b>9422293400</b>
• Registered e-mail	<b>principal@pescoe.ac.in</b>
• Alternate e-mail	<b>apwadekar@gmail.com</b>
• Address	<b>Nagsenvana, University Road, Besides Panchakki</b>
• City/Town	<b>Aurangabad</b>
• State/UT	<b>Maharashtra</b>
• Pin Code	<b>431002</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>Affiliated</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Dr. Babasaheb Ambedkar Technological University, Lonere, Dist.- Raigad</b>				
• Name of the IQAC Coordinator	<b>Dr. Siddharth K. Undirwade</b>				
• Phone No.	<b>02402403008</b>				
• Alternate phone No.	<b>02402403008</b>				
• Mobile	<b>7773940032</b>				
• IQAC e-mail address	<b>iqac_coordinator@pescoe.ac.in</b>				
• Alternate Email address	<b>siddharthundirwade@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://pescoe.ac.in/college_data/2019.pdf">http://pescoe.ac.in/college_data/2019.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.pescoe.ac.in/campus/data2022/Academic%20Calender%2020-21%20Sem%20I%20&amp;%20II.pdf">http://www.pescoe.ac.in/campus/data2022/Academic%20Calender%2020-21%20Sem%20I%20&amp;%20II.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B+</b>	<b>2.56</b>	<b>2017</b>	<b>28/03/2017</b>	<b>27/03/2022</b>
<b>6.Date of Establishment of IQAC</b>			<b>25/01/2017</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of			<a href="#">View File</a>		

IQAC		
<b>9.No. of IQAC meetings held during the year</b>	<b>7</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<ul style="list-style-type: none"> <li>Academic Audit and Administrative audit conducted</li> </ul>		
<ul style="list-style-type: none"> <li>Incubation center is established and activated</li> </ul>		
<ul style="list-style-type: none"> <li>ISO Certification of the Institute for three years</li> </ul>		
<ul style="list-style-type: none"> <li>Green Audit &amp; Energy audit conducted</li> </ul>		
<ul style="list-style-type: none"> <li>FDP, Faculty Training Program and Administrative Training Program</li> </ul>		
<b>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</b>		

Plan of Action	Achievements/Outcomes
IQAC Audits for quality checks	Internal Academic and Administrative audit is performed for quality checking.
Research promotion in the Institute	Encourage faculty to pursue research and to publish papers in Journals of International Standards
Faculty Development Programmes	Helped in upgrading knowledge of faculties
Career Counselling Programme	Enhancement of awareness and motivation amongst the students about the employability and, entrepreneurship and development.
Soft skill programmes	Students learned soft skills, communication skills which helped increase in placements for them.
Eduskill Training (Faculty technical training) for faculty	The faculty completed the training successfully which helped them a lot to update themselves technically and to train the students.
To establish the incubation center in the institute.	The incubation center is established and activated by signing MoU with One Smarter Inc, USA, 4031, Colonel Glenn Hwy Ste 100, Beavercreek, OH 45431.
To plan for Environmental Awareness	Green Audit, Energy Audit, Plantation of trees are carried out to enhance the environmental importance.
ISO Certification of the Institute	Awarded with ISO Certificate of Registration ISO 9001:2015 (Quality Management System) for three years from 10.01.2021 to 09.01.2023.

<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td><b>P.E.S. Governing Body</b></td> <td><b>15/01/2022</b></td> </tr> </tbody> </table>		Name	Date of meeting(s)	<b>P.E.S. Governing Body</b>	<b>15/01/2022</b>
Name	Date of meeting(s)				
<b>P.E.S. Governing Body</b>	<b>15/01/2022</b>				
<b>14. Whether institutional data submitted to AISHE</b>					
<table border="1"> <thead> <tr> <th>Year</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td><b>2020-21</b></td> <td><b>13/01/2022</b></td> </tr> </tbody> </table>		Year	Date of Submission	<b>2020-21</b>	<b>13/01/2022</b>
Year	Date of Submission				
<b>2020-21</b>	<b>13/01/2022</b>				
<b>Extended Profile</b>					
<b>1. Programme</b>					
1.1 Number of courses offered by the institution across all programs during the year	<b>8</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents				
Data Template	<a href="#">View File</a>				
<b>2. Student</b>					
2.1 Number of students during the year	<b>1314</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Institutional Data in Prescribed Format</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Institutional Data in Prescribed Format	<a href="#">View File</a>
File Description	Documents				
Institutional Data in Prescribed Format	<a href="#">View File</a>				
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>159</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents				
Data Template	<a href="#">View File</a>				

2.3	354
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	93
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	93
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	30
Total number of Classrooms and Seminar halls	
4.2	890.05
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	407
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

The institute is affiliated to Dr. Babasaheb Ambedkar Technological

University, Lonere and we follow curriculum designed and well planned by university. The teaching load for theory and practical for individual staff members is given well in advance. Each department prepares their semester wise time table as per syllabus.

The department follow the time table and HODs monitor the effective implementation of same. Each staff member prepares their notes, PPTs, e-Learning recourses material and teaching plans as per the work load mention in the university syllabus and ensures completion of the syllabus. And if required additional extra classes are conducted. The laboratory are well equipped along with manuals prepared by staff. The concerned staff member maintains their attendance register for the conducted theory and practical. Assignments, tutorials, class test are conducted for the continuous assessment of the student. The departmental head and the concern dean takes feedback of proper implementation and execution of all above activities.

The staff members prepare question bank and regularly circulated among the students. Every department has junior and senior faculty members with harmony and senior faculty members shares their experiences and knowledge with junior faculties for the enhancement of the teaching learning processes.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

The institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. Before the commencement of the academic year, the Institution prepares and publishes 'Academic calendar' containing the relevant information regarding the teaching learning schedule (working days), various events to be organized, holidays, dates of internal examination, semester examination etc. Few co-curricular activities are added in the academic calendar for the overall development of the student. The academic calendar is prepared so that teachers should know all the activities regarding continuous internal evaluation process and it is also published on website of the college and displayed on notice board. The flexibility is offered to various department regarding the

preparation of their departmental academic calendar. Some of the training courses are included in the academic calendar as per the need of our students. These courses are run in addition to regular teaching. This helps to prepare the student ready for the employment. Each department display the academic calendar well in advance and tries to implement the same. Accordingly, the student plans their schedule for the activities. Also time to time notes are displayed and circulated among the students and parents regarding the activities conducted as per the academic calendar.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**



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

## 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)

18

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

631

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

**Gender Equity** The prose, poetry and other chapters in certain courses addressed issues related to gender sensitivity and equity. Additionally, our institute organizes programs on gender equality, Women Safety Program, Guidance lecture for female students

As per the directives of Maharashtra State Commission for Women,

Internal Complaint Cell has been constituted for Redressal of complaints about sexual harassment. The Internal Complaint Cell is involved in prevention, prohibition and redressal of the complaints regarding sexual harassment of women employee and students and conducted awareness campaign.

Human values Beside the syllabus, the institution organized programmes to inculcate human values in students and staffs.

- Blood Donation Camp is regularly organized.
- Art of living and International yoga day celebration.
- NSS unit regularly arranged social and cultural activities in college.

Professional Ethics Ethical practices such as truthful information, facts are taught in content of syllabus and certificate courses. Career Guidance and Placement Cell organized placement activities including training, development of students, aptitude test etc. on a regular basis as per the requirements of industry. There are four subjects of which two are credit and two are audit courses related to value education, human rights, communication skill, energy and engineering environment.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

26

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

1003

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 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	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

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

be classified as follows

and action has been taken

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## 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

151

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

#### 2.1.2 - Number of seats filled against 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

96

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

### 2.2 - Catering to Student Diversity

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

- Institute library provides latest versions of reference books, e-journals, e-books etc. for the advanced learners.
- Students are guided to attend different workshops, seminars, conferences by industrial experts, training programs and motivate to participate in various technical competitions

organized by industries and educational institute.

- Students are deputed for summer and winter internship programs in industries and also encouraged to identify and take the problems from industry for their projects.
- Institute organizes various competitions such as TECHTRIX technical events, entrepreneurship development programs, innovative project competitions, poster presentations and quiz competitions every year where the students are encouraged to participate in various competitions.
- Institute has good interaction with industries and also signed MoU's with various reputed Industries/ Research institute to provide platform for the advanced learners to explore their talent.
- For slow learners, Class Teachers (CT) keep record of students of their respective class like leave record, result analysis record, record of extra lectures and co-curricular activities etc.
- Extra lectures, Extra Class tests and Retests are conducted for slow learners.
- Regular counseling sessions are conducted to motivate physically challenged students.

Additional question bank subject-wise are made available for slow learners.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1314	93

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

### 2.3 - Teaching- Learning Process

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

Learning is made more student centric by

- A dialogic approach in teaching is consciously adopted to ensure student participation in class discussions, debates, quizzes and tours are organized to widen their knowledge base.
- Summer Internship -Students get hands on training while working in the company.
- Collaborative learning like, project, paper and PPT presentations are encouraged so they learn to work in team.
- Independent learning is focused on students to do assignments that aim towards student-centric learning.
- Seminars, workshops, lectures by experts are organized so that students get exposed to the existing expertise in various fields.
- Extensive bibliographies and reading materials are given to students to enrich their understanding of the text.
- Project works are suitably integrated into the curriculum for student qualitative learning process.
- Socially relevant individual Mini and Final Year projects involving fabrication and testing are encouraged among students to get best practices as required in industry.
- The College subscribes to International and National Journals and students are encouraged to access all the facilities in the library including on-line journals through K-hub, NDL, Del Net.

Alumni are invited for guest lecturers to share their practical experiences with the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The faculty uses various ICT enabled tools to enhance the quality of teaching-learning like

- Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
- The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.
- To teach subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jam-board in Google meet, Zoom etc.
- Virtual labs are used to conduct labs through simulations.
- The college has a Wi-Fi enabled campus, well-equipped centralized computer lab facilities both for faculty and students.
- ERP software is used by the faculty to communicate to the students regarding the class schedules, session plans, lab manuals, assignments, quizzes etc.,
- Webinar lectures are delivered by experts with long years of experience.
- Massive Open Online CoursesPlatform (NPTEL, Coursera, ATAL etc) are used by the student and faculty.
- Faculty regularly attends and participates in various e-learning resources like seminars, conferences, lectures, workshops in India. Orientation and refresher courses organized by institutes.

Training placement cell helps students acquire soft skills through workshops and lectures conducted by institute.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 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



File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

93

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 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

15

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

1080



File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 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.

- Academic calendar is prepared at the beginning and is made available to faculties and Students through notice-boards of the departments.
- Schedule of Continuous Assessment & Mid semester Examination is given in Academic calendar in advance before commencement of session as per the University directions.
- Question paper are prepared by individual faculty/ faculty members teaching the same subject.
- Assignments and question bank are given by subject teachers.
- After Internal examination (Continuous Assessment-1 &2 and Mid semester examination) all the subject teachers display the results and solutions with marking scheme to all the students. The query of students if any will be clarified immediately by the concerned staff.
- The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to students well in advance.
- For assessment of seminars, summer internship and project, department prepares a schedule which is communicated to students.
- Students present their work or report through the PPT mode and evaluated on the basis of various parameter set by respective department.

For assessment of laboratory course an internal practical viva conducted by respective faculty member at the end of course.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

- A transparent, time-bound and efficient method is being followed in terms of dealing with internal examination related grievances.
- The assessed internal test papers are shown to the students for self-assessment.
- In case of any grievances regarding internal assessment, the student is free to interact with the teacher and get it resolved. The unresolved grievance, if any, is referred to the Principal through Head of the Department.
- The college has established grievances cell comprising of the principal as chairman, the senior faculty members and department head. Any student having query / doubt related to the internal assessment of any subject, he has to submit an application to the grievance cell.
- The principal forms enquiry committee consisting of above members and the concern subject teacher.
- The student say will be discuses in presence of above committee in front of student. After discussion same will be communicated to student and concern staff.
- The entire examination proceedings are overseen by the College Examination Cell which also takes up the responsibility of redressing the grievances if any.
- Office staff is appointed by the Principal to interact with the University regarding the grievances of the students if needed.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 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.

Program outcomes, program specific outcomes and course outcomes for all the programs offered by the Institution are stated and displayed on website and communicated to teachers and students. Course Outcomes and Learning Outcomes depend upon the nature of the course and the subject concerned. Course outcome provides a way to articulate knowledge, skill development, good communication skills, creative thinking, discipline, inculcation of moral and ethical values, teamwork, and critical thinking to be acquired by the students during their graduation. Students are also encouraged to participate in co-curricular activities. Every department plans and conducts all activities in the light of the program outcomes and course outcomes. COs are student centric and they focus on knowledge and skills that students can demonstrate. Thus, COs are the consequential knowledge skills that the student acquires at the end of a course. Courses are designed in such a way that all the objectives are attained in the form of course outcomes. After completion of the course, students can go for higher education or choose teaching as a career in college or university. The courses also offer opportunities to students for jobs in Banking, SSC, Railway, PWD, Research and Civil services etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="http://pescoe.ac.in/college_data/new/PO_PSO_CO.pdf">http://pescoe.ac.in/college_data/new/PO_PSO_CO.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

The Program outcomes, Program specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the classroom by teacher.

Subsequently, the College measures the attainment of POs, PSOs and COs by the following mechanism:

- The institute follows the Academic Calendar of the affiliated university
- All the subject teachers maintain Academic Diary in every academic

year.

- The course outcomes are measured through syllabus i.e. completion of syllabus, continuous assessment (internal evaluation), setting up of question paper, evaluation and result.
- The Internal examination is analyzed and evaluated by the subject teacher.
- To ensure that students have achieved desired level of competencies at the module level.
- The Placement committee takes the review of the Students' Progression to Higher Studies and their Placement.

After measuring attainment of POs, PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students increases progressively. Besides, students' progression to higher studies i.e., from Under Graduate to Post Graduate, seems to be increasing consistently and rapidly from the last few years. In a similar way, the ratio of students' placement is also increasing.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 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

353

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	Nil

## 2.7 - Student Satisfaction Survey

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

<http://pescoe.ac.in/campus/data2022/SSS%20Report-converted.pdf>

## 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)**

2.95

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**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**

3

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

### 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)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

## 3.2 - Innovation Ecosystem

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

The institute is very much keen in providing the research and development environment to the staff and students. In this regard students and staff are

guided and motivated and supported for taking research oriented projects, participation of students in various competitions. The students of Mech. Dept. are enrolled for TATA technologies activities for developing soft skill training. Under this activity the students from mech. Dept. are participating in TIFAN - an onion harvester design and development competition conducted by JOHN Dear every year.

The institution has started NPTEL CELL. through this cell it is tried to motivate the students and staff to enrich and upgrade their knowledge with latest technology.

The institute is providing full support to the staff for registering

for Ph. D programs, required support for attending seminars /workshops, financial support for research paper publications, attending presenting papers in workshops seminars.

The institute has started IIP CELL to guide the staff and students for undergoing internships and training in various industries.

The institute has developed Innovation cell in collaboration with GNET to guide and motivate the students towards innovations and start ups. Separate space is allocated to entrepreneurs for developing and starting their business.

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

### 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

2

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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

2



File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

64

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 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

14

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

## 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

It is very much important to make all the students and today's youth to be aware of the environmental pollution and degradation of human values. In this regard the school and colleges plays an important



role.

If the students participate & conduct various activities, their social involvement will make them socially responsible youth as well as citizen of tomorrow's India.

This is their age to adopt and learn good antiquates, cultural and human values in their life. For which various activities such as celebration of yoga day, constitutional day, visits to old age homes, distribution of medicines, and clothes and food to needy poor people during pandemic period are arranged.

Counseling and tree plantation programs arranged to understand the importance of green environment need of natural oxygen, anti-ragging counseling sessions for students.

Awareness, importance and demonstration of water harvesting system implemented at our main building is given to newly admitted students.

The awareness about Importance of Energy saving is created among the students and staff by using solar energy, solar water heaters in the boys and girls hostels.

Expert guest lecturers were conducted for girl students for their awareness through women's cell.

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

### **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**

14

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**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**

4

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**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**

228

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

9

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 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

9

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

## 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.

The campus maintenance is monitored through surveillance cameras in main building, classrooms, laboratories, workshop, library, hostels, canteens etc. The college has maintenance committee that oversees the maintenance of all campus. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Adequate in - house staff is employed to maintain

hygiene, cleanliness and infrastructure on the campus so as to provide friendly learning environment. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener.

Considering the huge infrastructure of our institute it was found necessary to deploy an external agency for the work of Housekeeping. Electrical maintenance is done in house. Maintenance engineer for civil works is appointed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

Indoor sports facility like Carom, Chess etc. and Outdoor sport facilities like Volley ball, Basketball, Cricket, handball etc. are available in Institute. The Students utilize sport facilities regularly and during annual social gathering. The sports in charge looks after the sports activities of the students. Regular maintenance of the Volley Ball court, Gymkhana and Basketball court in college premises is done by the sports in charge in consultation with the respective coaches. Indoor cultural activities are organizing in Ashoka Hall and Outdoor cultural programs are organize cultural open court yard.

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

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

7

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

#### 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)

34.95

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

- Name of ILMS software: Lib-Man (Master soft)
- Nature of automation (fully or partially): Fully
- Version: VII
- Year of Automation: 2005

Library plays a significant role in improving the learning and research ,procuring students with all the resources and facilities they require to enhance their knowledge.Library provides a comfortable and safe learning environment.It helps in all educational and instructional programs in the college. Library supports to improve the understanding process of various subjects among the students and faculties.Library Provides users the availability of computers and engage with digital study materials which covers different subjects .Because of this students and staff

members can search their source quickly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**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** B. Any 3 of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

112.03111

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

**4.2.4 - 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**

47

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

### 4.3 - IT Infrastructure

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

With the increasing demand for internet access in educational campuses due to evolving standard of education and flexibility offered by the Internet - universities, colleges, educational institutes etc., are keenly stepping forward to setup secured and stable wired or Wi-Fi network campus for their students.

Current status of IT Facilities including Wi-Fi is as follows:

1. PCs/Laptop available for students is 407 in numbers. These PCs are reserved only

for students.

2. Number of PCs/Laptop in Language Lab: 20

3. Number of Legal System Software: 03

4. Number of Legal Application Software: 20

5. Number of Open Source Software: 20

6. Printers Available for Students: 19

7. PCs/Laptop available for Faculty Members: 32

8. Number of PCs/Laptop available in Library: 12

9. Number of A1 size color Printers: 1

10. Number of PCs/Laptop available in Administrative Office: 17

In this way our entire college IT infrastructure is well equipped with advanced PCs and updated Software's.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

407

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

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

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)

34.95

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>



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.

**Laboratory:** Lab assistant looks after the maintenance of equipment. Lab in charges looks after the smooth functioning of the equipment. If the equipment is non repairable at institute level, then with permission of the Principal, external vendors or suppliers are called for maintenance of the equipment. The cleanliness in the laboratories is maintained with the help of support staff.

**Classroom and Seminar hall:** There are 24 classrooms, 4 seminar halls and 5 tutorial rooms in the Institute out of which 7 are fully equipped with ICT facility. It is well maintained by IT and civil maintenance department.

**Sports:** Indoor and Outdoor sport facilities are available in Institute. The Students utilize sport facilities regularly and during annual social gathering. The sports in charge looks after the sports activities of the students. Regular maintenance of the Volley Ball court, Gymkhana and Basketball court in college premises is done by the sports in charge in consultation with the respective coaches.

**Computers:** For maintaining the computer infrastructure the institute has appointed System Administrator and support staff. They look after the day to day problems of computers and networks and external vendors are called for major problems. The computer infrastructure is upgraded time to time after receiving the requirement from respective departments. **Class Rooms:** Institute has sufficient number of class rooms, Seminar Halls and Drawing Halls. These are maintained regularly through concerned support staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## 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**

1293

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

**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**

15

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

**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**

B. 3 of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

886

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

886

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

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

**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

88

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 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

16

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 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

7

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### 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.

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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 )

Students representatives on various bodies as per established process and norms the P.E.S institute's students council first formed in 1995, is elected unanimously through a fair and democratic

process by active participation of all students

The student council consists of general secretary, Joint Secretary, Cultural Secretary, Sports Secretary, Ladies representative and class representative.

Every year the student council members were elected in a democratic and fair process. The elected council members work for the betterment of all students to improve their personality, self-confidence and also motivates the student participation in various cultural, social and sports activity. The student council members also help the faculty in organizing Fresher's welcome party, Teachers day, Engineers day, Annual Social gathering. The students are encouraged to participate in activities beyond their academic curriculum so they become confident and well balanced individuals.

From 2019 as per the university guidelines the student council election were withheld. Hence to carry out the students activities the institute formed the various students clubs.

On 29 th August 2019 the student's club are formed such as Nisarg, Shabdvedh, Kalarang, Abhivyakti, Swarzankar, Pradnyashodh, Urja etc. to show the inbuilt talents, to improve the stage courage and personality development of the students.

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

**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**

72

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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)	<a href="#">View File</a>

## 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

Registration number: 0222025. The Alumni association of P.E.S. College of Engineering is a registered organization. The association is progressing its work for the development of the college. The president of the alumni association is Mr. Pritam Gugle, Secretary is Dr. Varsha D. Jadhav, Treasurer is Mr. Prashant Pandit with committee members Mr. Mangesh Niturkar, Mr. Mangesh Kachole, Mr. Sachin Borse, Ms. Priti Ghuge, Mr. Dilip Rathod, Mr. Amit Paikrao. In collaboration with the institute, the Alumni Association of the P.E.S. College of Engineering works to connect alumni, support students. The mission of the Association is to foster strong bonds between alumni, students and the Institute, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the Associations programmes and services.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded



## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

#### Vision:

To create sound technical manpower with global competitiveness, morality and social sense.

#### Mission:

- To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
- To provide an embellished academic and congenial environment to students for complete learning experience.
- To promote intellectual, moral and social democracy to ensure all-round development of the students.

The People's Education Society (Mumbai) is dedicated to establish, nurture and develop world class institutions of education, for the downtrodden and needy class of the society.

Top management provides academic leadership to faculty in decision making bodies of institution.

- The Principal is academic and administrative head of College including IQAC. He plans and coordinates all academic and administrative activities.
- Deans are appointed for UG and PG academics, R&D, Student Welfare, Industry Institute Interactions, International Relation Cell, IQAC, Infrastructure, Examinations. They monitor the corresponding activities.
- The HODs are involved in decision-making process at all levels. They are members of IQAC. HODs plan development programmes, seminar, conferences, cultural activities etc. in coordination with their faculty.
- Faculty coordinators are part of the decision making with respect to particular portfolio and related activities.



Management always supports all suggestions for improvement and created healthy work culture and atmosphere.

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

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

All academic and administrative activities are decentralized and decisions are taken based on discussions. Deans control the respective activities. HODs are given authority and responsibility to complete desired academic task within the stipulated time. Faculty members are actively involved in finalization of teaching plan, seminars, projects and academic activities.

Institute promotes a culture of participative management which enables staff and

students to give their opinions and suggestions for improvement. HOD's and Deans manage overall academic and support activities. Staff members are involved in various academic committees and participate in industrial visits, in-plant training. The teaching and supporting staff participate in co-curricular activities as various event in-charge.

e.g. Unit tests as a part of continuous internal evaluation are conducted in decentralized manner at each departmental level. Each departmental HOD along with his faculty plans and monitors this exam at departmental level. Each department takes care of this activity including completion of syllabus, preparation and display of time table for exam, preparation of question papers, invigilation duties, collection of answer papers at coordinator level, distribution of answer papers to subject teacher for assessment, declaration and display of result. Thus all faculty and staff are involved and participated to conduct an activity.

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

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per the strategic plan, the incubation center is established and activated in the institute in collaboration with Global Innovators & Entrepreneurs Network (GIENET). The various companies which are intending to put in the GIENET incubation are:

- Autospatial Private Limited: Robotic Parking
- WAPARKING Private Limited: Surface Parking
- BVG Agro: Agricultural Product
- PAYTM: Fintech
- Mondragon Team Academy: Travelling University
- Other Companies: Small Tech Companies

We are also collaborating with Pegases Funds from Mumbai which is backed up by Hiranandani Group.

Under this incubation collaboration, the MoU is signed between PESCOE & One Smarter Inc. USA and agreed upon to develop software development center and to provide internships, live projects and placements to students.

The incubation center forges a strong collaboration between the institute and industry and to find solutions to technological problems locally which benefits faculty and students by utilizing their full intellectual potential. It helps students, research scholars and faculty members to execute the ideas into products, processes or services for the benefits of society as well as industry. Incubation center is activated in the view of close links and collaborative efforts between the technology park, industry and the institute faculty, researchers and students leading to joint research projects.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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.

Institution Organogram is applied for demonstrating effective and efficient functioning of the institutional bodies.

The PES governing body and BOG guides the general administration of the college towards the achievement of the Vision and Mission. Principal is the head of both the academic and administrative bodies including IQAC. He plans and coordinates all the academic and administrative activities in coordination with various Deans and HODs. Deans plan, monitor and implement their particular portfolio under the supervision of Principal. HODs are responsible for the overall functioning of the department and infrastructural Development in a continuous contact of the department with the Deans and the Principal. All departmental coordinators are responsible for their concerned portfolio of the department under the monitoring and guidelines of HODs. The faculty members and supporting staff discharge all the duties and responsibilities assigned by the Principal, Dean and Head of the department from time to time. Registrar looks after the administrative aspects of the institute such as admissions, custody and maintenance of all the important documents, student related records. Librarian along with his supporting staff is responsible for providing learning resources in terms of book bank facility, e-Journals, magazines etc.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="http://pescoe.ac.in/campus/data2022/Organiza%20tion%20Chart.pdf">http://pescoe.ac.in/campus/data2022/Organiza%20tion%20Chart.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institution takes care of providing effective welfare measures for teaching and non- teaching staff for their growth which are listed below:

- Sabbatical leave for Ph.D. programmes and industrial training.
- On-duty facility for pursuing Ph.D. and to attend training programmes
- Provident fund (P.F.) facility is provided to all, including the non-teaching and temporary staff.
- Gratuity are provided to all the regular staff.
- Accidental insurance is provided to all teaching and non-teaching staff.
- Maternity leave with salary.
- Provision of 25% fees relaxation to the wards of the employees.
- Salaries are paid as per Government norms from time to time.
- Faculty members are also encouraged to pursue higher studies through study leave, flexibility in workload and timing, extension

of laboratory, internet and library facilities.

- Non-teaching staff are given facility to undergo further studies.
- Management honors teachers who excel in academic performance; takes care of their general welfare.
- The release of annual increments, as per norms.
- Promotions are done on the basis of the performance.

The faculty members are enabled to participate in and make use of UGC and AICTE sponsored quality improvement programmes, conferences and seminars in the area of specialization, Industrial training, Conceptual understanding sessions, Industrial visits, Faculty development programmes etc.

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

### 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

2

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

### 6.3.3 - Number of professional development /administrative training 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

2

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 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

36

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

Annual staff performance assessment through a neatly designed appraisal report is obtained from every staff member. It is verified and certified by the Head of the Department and submitted to the Principal. Assessment of the Deans and HODs is done by the Principal. The Management assesses the performance of the Principal.



The self-performance assessment reports and confidential reports of particular staff whether teaching or non-teaching is checked and endorsed by the head of the department and head of the admin for admin staff. Those self-appraisal and confidential reports endorsed by head of the department/ head of the admin is to be submitted to the Principal. The Principal critically examines and studies those reports and finalizes the final grade of the particular teaching or non-teaching staff depending upon the remarks of head of the department/ head of the admin. All such reports finalized by the Principal are put in front of the management for their supervisory control over the performance of the staff. The outcome of the review of performance appraisal and confidential reports by the management are: release of annual increments as per norms and promotions of the staff on the basis of the performance.

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

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly 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

The accounts of People's Education Society's (Mumbai) P.E.S. College of Engineering, Nagsenvana, Aurangabad, are regularly audited by our auditors since its inception. The audit of the financial year 2020-2021 was conducted by M/s Bholane Shilawant Co., Chartered Accountants, Aurangabad. Since, our students are availing various Government of India scholarship schemes, it is mandatory on our part to audit the college accounts regularly. Also we have to submit our accounts duly audited to Fees Regulatory Authority, our Management etc. Hence, we regularly audit our accounts, every financial year.

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

**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)**

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

Mobilization of Funds, the student tuition fee is the major source of income for the institute.

Resource Mobilization Policy and Procedure includes following:

- The departments submit annual budget of their department to the Principal.
- Annual budgeting is done by the Principal.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- It includes planned expenses such as lab equipment purchases, furniture, and other development Expenses.
- The annual budget is scrutinized and sanctioned by the Governing Body of the People's Education Society.
- Accounts department monitor whether expenses are exceeding budget provision.
- All the expenditures are done as per the provisions of the sanctioned budget.

Optimal utilization of resources pertains to prime considerations like:

- The institute aims at promoting research, development, consultancy and such other activities, involving the faculty at various levels
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on availability of funds.
- The institute infrastructure is utilized as an examination center for Government examinations/University Examinations.

The optimal utilization is ensured through encouraging innovative teaching-learning practices.

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

## 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

**IQAC plans, initiates and implements some academic quality initiatives and practices in institute.**

**Faculty Training Program was organized under EduSkills on following topics.**

- (1) **Robotic Process Automation: Blue Prism**
- (2) **Cyber Security: Vulnerability Assessment and Penetration Testing**
- (3) **Security Operations Fundamentals**
- (4) **Cloud Security Fundamentals**
- (5) **Cyber Security Foundation**
- (6) **Network Security Fundamentals.**

The faculty were trained in these areas and appeared and successfully passed the exam titled "Palo Alto Networks Certified Cyber Security Entry Level Technician". Due to this training, they were trained with successful completion of certification in the

areas of Cyber Security, Security Operations and Network Security.

The faculty completed Foundation Educator Training successfully as part of Blue Prism Academia Program in the field of Robotic Process Automation. The outcome of this practice pertains to the conduction of Blue Prism Foundation Training Program for the students of all branches of the institute. In this practice, well trained successful faculty provided training to the students. The objectives of this training was to make students aware (1) with software tools available in blue prism studio for implementing software robot used for automation of process, (2) for career opportunities in RPA field. The students successfully awarded RPA Foundation Training Certificate.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Academic audit as per norms of affiliated university, DBATU is conducted under supervision of External Academic Advisors. In this audit, following points are critically reviewed:

1. Curricular aspects like Implementation of Annual Institutional Plan, Departmental Annual Curricular Plans, College Activity Register, Add-on Courses, Syllabus Coverage, Maintenance of Student Attendance Registers.
2. Teaching Learning & Evaluation comprising of Teaching Diaries & Teaching Plans in Prescribed Formats, Co-Curricular Activities, Academic Competitions, Conduct of Internal Examinations, Subject wise and teacher wise result analysis.
3. Research & Consultancy activities and Extension Activities.
4. Learning Resources including Circulation of Books, Record of Visitors, Library Automation status, e-Lessons & e-Resources/ e-Journals, SWAYAM facilities.
5. Student Support Activities e.g. extra-curricular activities

conducted, Maintenance of Placement Cell facilities & records, Career Guidance activities, IQAC activities & maintenance of records, Record of Grievance Redressal Cell / Anti Ragging cell.

6. Basic Amenities, Governance and Leadership, Initiatives like E-Class rooms, Internet Centre etc., Record of best/innovative practices.

Apart from this academic audit, the regular monitoring of the online and offline teaching learning process is done at each department level through standardized academic reforms of the institute. This activity is monitored and implemented by Dean Academics.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

Our institute has gender sensitization action plan and has established Women's Grievance Cell with objectives of redressing the grievances of the students and the staff, of any sort related to women. We have formed an Anti-sexual harassment committee since 2014. We regularly conduct Workshops / seminars to create awareness about sexual harassment among the faculty, non-teaching staff and students. The aim is to develop a non-threatening and non-intimidating atmosphere of mutual learning. The committee members do counsel to the students. Confidential counseling is also provided by our institute to victim girls if any. Institutes provides required facilities to lead women faculties and girl students in a correct and hygienic path by providing safe and secured class rooms, laboratories and entire campus, ladies common room and rest room.

Women cells formed has Organized an online workshop regarding the use of Sanitary Napkin Disposal Machine" to create awareness among the ladies' staff and girls' students at workplace. All the girl students and lady's faculty took the responsibility of utilizing the "Sanitary Napkin Disposal Machine" to make sure Hygiene and maintain surroundings clean.

The "Internal Complaints Committee" is formed for Gender Sensitization and empowerment of women. Women's day is celebrated at Institute level.

File Description	Documents
Annual gender sensitization action plan	<a href="http://pescoe.ac.in/campus/data2022/Annual%20gender%20sensitization%20Action%20plan.pdf">http://pescoe.ac.in/campus/data2022/Annual%20gender%20sensitization%20Action%20plan.pdf</a>
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	<a href="http://pescoe.ac.in/campus/data2022/Specific%20facilities%20for%20woman%20&amp;%20support%20documents.pdf">http://pescoe.ac.in/campus/data2022/Specific%20facilities%20for%20woman%20&amp;%20support%20documents.pdf</a>

**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**

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

Any material unused and rejected like rubbish, trash, refuse, garbage etc. are having storage facility by providing "Dust bins" at every common place like office, veranda, seminar hall etc. Daily morning it collected by the concern person to store at Dumping place located near college campus. "Trench Method " have been adopted for disposal of solid waste. The size of trench (3m x 4m) has been excavated up to 3m deep from ground surface. Refuse is completed and covered with excavated earth up to certain depth.

E- waste and used stationary is collected, dumped and sold out to the concerned agencies.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**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	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

**7.1.6 - Quality audits on environment and energy 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**

**C. Any 2 of the above**

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

**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**

**C. Any 2 of the above**



**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**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

PES College of engineering maintains the diversity in the student profile to inculcate the all-round education. Admission policy is as per the government norms and All admissions are carried out through government CAP rounds only.

Reservations of seats and scholarships apply to SC, ST, OBC, physically challenged category. Affordable fees structure for all students is charged for quality technical education. This allows education to all including economically challenged students and students from oppressed class of the society. Special concession in fees is given by the institute to the needy students having very poor economic condition. The institute and the faculty members work sincerely and honestly to cater the needs of the first-generation learners.

The institute gives equal opportunity to all students and faculties, irrespective of religion, caste and gender to learn, educate and progress.

Basic moral religious techniques along with cultural programs are arranged to promote harmony and happiness at workplace. Various

programs are arranged such as Yoga, Tree plantation, Blood donation camps, Visit and help to 'Vridhashrams', 18 hours continuous study program and Covid care center as well as food donations during the pandemic.

The active participation of students and faculties in such activities helps to inculcate inclusive education.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

The institution belongs to the P.E.Society, (Mumbai) founded by Bharat Ratna Dr. Babasaheb Ambedkar who is the father of Indian Constitution. We inculcate the values and culture so that our students turn out to be a true citizen of the country. Institution conducts various programs to sensitize students and faculties towards the values, duties, rights and responsibilities of citizens. The institution celebrates Independence Day, Republic Day, Samvidhan Din (Constitution Day). On the occasion of constitution day institute use to conduct awareness programs and competitions based on the constitution, but due to pandemic, this year we recited the pledge of the constitution. Students and faculties take active participation in these celebrations. For personality development, art of living program is arranged for the students and staff.

Environmental issues, social values, energy conservation, human rights, legislative procedures, value education, personality and behavior development, communication skills are being taught to the students as a part of curriculum.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://pescoe.ac.in/campus/data2022/Sensitization%20of%20students,employees%20&amp;%20Support%20Doc..pdf">http://pescoe.ac.in/campus/data2022/Sensitization%20of%20students,employees%20&amp;%20Support%20Doc..pdf</a>
Any other relevant information	Nil

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

During the year institute organizes and celebrates various international and national days, and Utsav which helps the students for their self-development and also to enhance the social awareness. By celebrating these days students are getting aware about importance of the day and related subject. The faculties and students take active participation and get motivated. Due to covid 19 pandemic we have arranged few activities in online mode.

The birth anniversary of Chhatrapati Shivaji Maharaj is celebrated on 23rd Feb with motivational speech given by Prof. Dr. Jija Shinde from Devgiri science college Aurangabad.

For the physical and personality development of the student we celebrate international yoga day on 21st June, this year Prof. Dr. S. M. Shinde from Govt. Engineering college Aurangabad, guided the student, through webinar about the importance of pranayama. He has demonstrated scientific technique of pranayama.

On the occasion of Engineers Day, 15TH September Dr.A.P. Paranjape,

Chartered Engineer, guided the students regarding startup India scheme in detail. He applied the students to become employer rather than to become employee.

The students are made aware about constitution of India and on every 26th November, we are celebrating constitutional day. All faculties and student read the preamble of constitution.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

(I)

### 1. Title of the Practice:

Teaching Learning process through offline lectures and through virtual classes with the help of ICT enabled tools.

### 2. Objectives of the Practice:

To enhance teaching learning process carried out for the in-depth education.

To carry out teaching learning process in all situations.

### 3. The Context:

The institute has adapted the practice of teaching the students in actual classrooms (offline) as well as through online teaching along with the various ICT enabled tools including video lectures of NPTEL courses.

During pandemic when everything was stopped except education. Institute carried out education successfully with the help of ICT tools.

#### 4. The Practice:

Teaching faculty adapted and got well acquainted with the virtual teaching system by using the blend of or either of the following techniques.

1. Use of digital notepad in online/virtual class.
2. Use of Google Classroom, Google Meet, Google form, Microsoft 365, Cisco WebEx, OBS studio.
3. Use Of Audio/Video lectures with PPT. and video lectures from NPTEL.
4. Use of virtual lab
5. Use of ICT enabled smart classroom for live streaming of lectures.

#### 5. Evidence of Success:

Effective teaching was carried out throughout the year. Majority of the students attended the lectures online and excelled in university examination.

#### 6. Problems Encountered and Resources Required:

Non availability of internet facility to the students at remote places. Keeping in view such students, faculty have prepared video lectures and made available to the students.

#### 7. Notes (Optional):

To conduct online lectures, we have faced few problems for which feasible solutions are offered by the institute. During lockdown period, online lectures are conducted by the faculty from home.

As many students are belonging from financial weak background and rural areas where internet facility was not available up to the mark.

We have prepared video lectures, which are provided to the students.

When few students could not attend the offline lectures because of lockdown in their cities. We use to conduct offline lectures in the class which are live streamed.

Sincere efforts are made by all the faculties to continue teaching in all situations. Efforts taken resulted in very good results in university examination and successful completion of the program of

final year students.

(II)

1. Title of the Practice:

Hands-on training & practice for students through Maintenance & reparation activities of Utilities & facilities, done at the Institute for CSE, Civil & Electrical Departments.

2. Objectives of the Practice:

To spark the curiosity of learning & discovering through examples of daily applications & amenities.

To heighten & enhance the overall perspective of concepts & Engineering products.

3. The Context:

Electrical Department curate's platforms of learning through Maintenance of various appliances, services and facilities by its trained personnel. Simultaneously, real-time instructions are given to students to perceive theory with practical. Students are demonstrated viable strategies of troubleshooting & maintenance, and at the same time, given the opportunity to carry out guided repairing & fixing of items & services.

4. The Practice:

The Trained Staff & personnel have expertise and technical know-how of handling various devices and malfunctioning of services / devices. The students are made aware with IS rules, safety norms and maintenance work. Students take active participation in the actual repair and maintenance work carried out at Institute level. Electrical circuit design along with the switchgear and protection, actual wiring work is carried out at department level. Training is given to the students regarding the following,

1. Use of handy toolkits and demos of their usage,
2. Use of Precautionary instructions, Dos and Don'ts and Safety norms to be followed,
3. Use of Instructional Material covering basics of a concept
4. Use of Pictorial representations for better understanding.



Also streamlining the concepts by clarifying the applications and relevance of the activities is being carried out.

#### 5. Evidence of Success:

Students become receptive to an interactive & riveting learning environment which is apparently being done through this practice

#### 6. Problems Encountered and Resources Required:

Students come with a lot of pre-conceived notions & theoretical concepts about how Engineering Stuff works which are erroneous and faulty. As such, they have difficulty grasping the live rectifying operations being done on dysfunctional/repair-worthy instruments.

#### 7. Notes (Optional):

It has been observed that students have been ingrained with a very rote and mechanical method of learning. When it comes to implementing their learning, their performance is very disappointing. The underlying cause behind this lack of ability is lack of proper skills and know-how which should be inculcated during practical or lab sessions in their education.

To overcome this flaw, the best practice of integrating real-life problems and their feasible solutions has been implemented by the Electrical Department, Computer Department by taking issues faced in daily life at an Institute level.

This helps the students to upgrade their skills and take initiatives in solving practical problems relating to engineering products and services, which are vetted by Authorized personnel before interfacing them with students.

File Description	Documents
Best practices in the Institutional website	<a href="http://pescoe.ac.in/campus/data2022/Two%20best%20practices%20&amp;%20Support%20Doc..pdf">http://pescoe.ac.in/campus/data2022/Two%20best%20practices%20&amp;%20Support%20Doc..pdf</a>
Any other relevant information	Nil

### 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 Institute has a long-standing academic record and imparting Engineering education from the last 27 years. Since it is one of the oldest Engineering Institutes in a region where there are not many colleges offering technical courses, it is sought-after by students in the entire region, many of whom come from a financially weak background.

The Institute caters to providing state-of-the-art education at fairly feasible rates to such students whose guardians either come from Economically Weaker Sections or rural areas or agricultural or uneducated backgrounds or oppressed class of the society.

Apparently, most of the students avail Scholarships of one or the other form which includes GOI, EBC, TFWS, SC/ST, Minority (Central & State), and the scholarships from various philanthropic organizations. The Institute adheres by its principle to provide holistic education to these students at an affordable price.

The academic profile has been developed & built-up over the years by dynamic faculty members with a proven scholastic track-record.

The distinctiveness of the Institute lies in providing modern & advanced Engineering Education with flexible Pedagogical Practices to children of cash-strapped families at a cost-effective price. Methodology has been so structured that it caters over all education to each student.

## 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

The institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere and we follow curriculum designed and well planned by university. The teaching load for theory and practical for individual staff members is given well in advance. Each department prepares their semester wise time table as per syllabus.

The department follow the time table and HODs monitor the effective implementation of same. Each staff member prepares their notes, PPTs, e-Learning recourses material and teaching plans as per the work load mention in the university syllabus and ensures completion of the syllabus. And if required additional extra classes are conducted. The laboratory are well equipped along with manuals prepared by staff. The concerned staff member maintains their attendance register for the conducted theory and practical. Assignments, tutorials, class test are conducted for the continuous assessment of the student. The departmental head and the concern dean takes feedback of proper implementation and execution of all above activities.

The staff members prepare question bank and regularly circulated among the students. Every department has junior and senior faculty members with harmony and senior faculty members shares their experiences and knowledge with junior faculties for the enhancement of the teaching learning processes.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

The institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. Before the commencement of the

academic year, the Institution prepares and publishes 'Academic calendar' containing the relevant information regarding the teaching learning schedule (working days), various events to be organized, holidays, dates of internal examination, semester examination etc. Few co-curricular activities are added in the academic calendar for the overall development of the student. The academic calendar is prepared so that teachers should know all the activities regarding continuous internal evaluation process and it is also published on website of the college and displayed on notice board. The flexibility is offered to various department regarding the preparation of their departmental academic calendar. Some of the training courses are included in the academic calendar as per the need of our students. These courses are run in addition to regular teaching. This helps to prepare the student ready for the employment. Each department display the academic calendar well in advance and tries to implement the same. Accordingly, the student plans their schedule for the activities. Also time to time notes are displayed and circulated among the students and parents regarding the activities conducted as per the academic calendar.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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

8

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

### 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)

18

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

631

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

**Gender Equity** The prose, poetry and other chapters in certain courses addressed issues related to gender sensitivity and equity. Additionally, our institute organizes programs on gender equality, Women Safety Program, Guidance lecture for female students

As per the directives of Maharashtra State Commission for Women, Internal Complaint Cell has been constituted for Redressal of complaints about sexual harassment. The Internal Complaint Cell is involved in prevention, prohibition and redressal of the complaints regarding sexual harassment of women employee and students and conducted awareness campaign.

**Human values** Beside the syllabus, the institution organized programmes to inculcate human values in students and staffs.

- Blood Donation Camp is regularly organized.
- Art of living and International yoga day celebration.
- NSS unit regularly arranged social and cultural activities in college.

**Professional Ethics** Ethical practices such as truthful information, facts are taught in content of syllabus and certificate courses. Career Guidance and Placement Cell organized placement activities including training, development of students, aptitude test etc. on a regular basis as per the requirements of industry. There are four subjects of which two are credit and two are audit courses related to value education, human rights, communication skill, energy and engineering environment.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

26

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

1003

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

A. All of the above

<b>from the following stakeholders Students Teachers Employers Alumni</b>	
File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>B. Feedback collected, analyzed and action has been taken</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
151	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	
96	



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

## 2.2 - Catering to Student Diversity

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

- Institute library provides latest versions of reference books, e-journals, e-books etc. for the advanced learners.
- Students are guided to attend different workshops, seminars, conferences by industrial experts, training programs and motivate to participate in various technical competitions organized by industries and educational institute.
- Students are deputed for summer and winter internship programs in industries and also encouraged to identify and take the problems from industry for their projects.
- Institute organizes various competitions such as TECHTRIX technical events, entrepreneurship development programs, innovative project competitions, poster presentations and quiz competitions every year where the students are encouraged to participate in various competitions.
- Institute has good interaction with industries and also signed MoU's with various reputed Industries/ Research institute to provide platform for the advanced learners to explore their talent.
- For slow learners, Class Teachers (CT) keep record of students of their respective class like leave record, result analysis record, record of extra lectures and co-curricular activities etc.
- Extra lectures, Extra Class tests and Retests are conducted for slow learners.
- Regular counseling sessions are conducted to motivate physically challenged students.

Additional question bank subject-wise are made available for slow learners.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1314	93

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

### 2.3 - Teaching- Learning Process

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

Learning is made more student centric by

- A dialogic approach in teaching is consciously adopted to ensure student participation in class discussions, debates, quizzes and tours are organized to widen their knowledge base.
- Summer Internship -Students get hands on training while working in the company.
- Collaborative learning like, project, paper and PPT presentations are encouraged so they learn to work in team.
- Independent learning is focused on students to do assignments that aim towards student-centric learning.
- Seminars, workshops, lectures by experts are organized so that students get exposed to the existing expertise in various fields.
- Extensive bibliographies and reading materials are given to students to enrich their understanding of the text.
- Project works are suitably integrated into the curriculum for student qualitative learning process.
- Socially relevant individual Mini and Final Year projects involving fabrication and testing are encouraged among students to get best practices as required in industry.
- The College subscribes to International and National Journals and students are encouraged to access all the

facilities in the library including on-line journals through K-hub, NDL, Del Net.

Alumni are invited for guest lecturers to share their practical experiences with the students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The faculty uses various ICT enabled tools to enhance the quality of teaching-learning like

- Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
- The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.
- To teach subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jam-board in Google meet, Zoom etc.
- Virtual labs are used to conduct labs through simulations.
- The college has a Wi-Fi enabled campus, well-equipped centralized computer lab facilities both for faculty and students.
- ERP software is used by the faculty to communicate to the students regarding the class schedules, session plans, lab manuals, assignments, quizzes etc.,
- Webinar lectures are delivered by experts with long years of experience.
- Massive Open Online CoursesPlatform (NPTEL, Coursera, ATAL etc) are used by the student and faculty.
- Faculty regularly attends and participates in various e-learning resources like seminars, conferences, lectures, workshops in India. Orientation and refresher courses organized by institutes.

Training placement cell helps students acquire soft skills

through workshops and lectures conducted by institute.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 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

93

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

93

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

#### 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

15

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

1080

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 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.

- Academic calendar is prepared at the beginning and is made available to faculties and Students through notice-boards of the departments.
- Schedule of Continuous Assessment & Mid semester Examination is given in Academic calendar in advance before commencement of session as per the University directions.
- Question paper are prepared by individual faculty/ faculty members teaching the same subject.
- Assignments and question bank are given by subject teachers.
- After Internal examination (Continuous Assessment-1 &2 and Mid semester examination) all the subject teachers display the results and solutions with marking scheme to all the students. The query of students if any will be clarified immediately by the concerned staff.

- The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to students well in advance.
- For assessment of seminars, summer internship and project, department prepares a schedule which is communicated to students.
- Students present their work or report through the PPT mode and evaluated on the basis of various parameter set by respective department.

For assessment of laboratory course an internal practical viva conducted by respective faculty member at the end of course.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

- A transparent, time-bound and efficient method is being followed in terms of dealing with internal examination related grievances.
- The assessed internal test papers are shown to the students for self-assessment.
- In case of any grievances regarding internal assessment, the student is free to interact with the teacher and get it resolved. The unresolved grievance, if any, is referred to the Principal through Head of the Department.
- The college has established grievances cell comprising of the principal as chairman, the senior faculty members and department head. Any student having query / doubt related to the internal assessment of any subject, he has to submit an application to the grievance cell.
- The principal forms enquiry committee consisting of above members and the concern subject teacher.
- The student say will be discuses in presence of above committee in front of student. After discussion same will be communicated to student and concern staff.
- The entire examination proceedings are overseen by the College Examination Cell which also takes up the



responsibility of redressing the grievances if any.

- Office staff is appointed by the Principal to interact with the University regarding the grievances of the students if needed.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 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.

Program outcomes, program specific outcomes and course outcomes for all the programs offered by the Institution are stated and displayed on website and communicated to teachers and students. Course Outcomes and Learning Outcomes depend upon the nature of the course and the subject concerned. Course outcome provides a way to articulate knowledge, skill development, good communication skills, creative thinking, discipline, inculcation of moral and ethical values, teamwork, and critical thinking to be acquired by the students during their graduation. Students are also encouraged to participate in co-curricular activities. Every department plans and conducts all activities in the light of the program outcomes and course outcomes. COs are student centric and they focus on knowledge and skills that students can demonstrate. Thus, COs are the consequential knowledge skills that the student acquires at the end of a course. Courses are designed in such a way that all the objectives are attained in the form of course outcomes. After completion of the course, students can go for higher education or choose teaching as a career in college or university. The courses also offer opportunities to students for jobs in Banking, SSC, Railway, PWD, Research and Civil services etc.



File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="http://pescoe.ac.in/college_data/new/PO_PS_O_CO.pdf">http://pescoe.ac.in/college_data/new/PO_PS_O_CO.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

The Program outcomes, Program specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the classroom by teacher.

Subsequently, the College measures the attainment of POs, PSOs and COs by the following mechanism:

- The institute follows the Academic Calendar of the affiliated university
- All the subject teachers maintain Academic Diary in every academic year.
- The course outcomes are measured through syllabus i.e. completion of syllabus, continuous assessment (internal evaluation), setting up of question paper, evaluation and result.
- The Internal examination is analyzed and evaluated by the subject teacher.
- To ensure that students have achieved desired level of competencies at the module level.
- The Placement committee takes the review of the Students' Progression to Higher Studies and their Placement.

After measuring attainment of POs, PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students increases progressively. Besides, students' progression to higher studies i.e., from Under Graduate to Post Graduate, seems to be increasing consistently and rapidly from the last few years. In a similar way, the ratio of students' placement is also increasing.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 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

353

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

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

<http://pescoe.ac.in/campus/data2022/SSS%20Report-converted.pdf>

### 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)

2.95

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 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

3

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

### 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)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

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

The institute is very much keen in providing the research and development environment to the staff and students. In this regard

students and staff are

guided and motivated and supported for taking research oriented projects, participation of students in various competitions. The students of Mech. Dept. are enrolled for TATA technologies activities for developing soft skill training. Under this activity the students from mech. Dept. are participating in TIFAN - an onion harvester design and development competition conducted by JOHN Dear every year.

The institution has started NPTEL CELL. through this cell it is tried to motivate the students and staff to enrich and upgrade their knowledge with latest technology.

The institute is providing full support to the staff for registering for Ph. D programs, required support for attending seminars /workshops, financial support for research paper publications, attending presenting papers in workshops seminars.

The institute has started IIP CELL to guide the staff and students for undergoing internships and training in various industries.

The institute has developed Innovation cell in collaboration with GNET to guide and motivate the students towards innovations and start ups. Separate space is allocated to entrepreneurs for developing and starting their business.

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

### **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**

2

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 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

64

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

#### 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

14

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 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

It is very much important to make all the students and today's youth to be aware of the environmental pollution and degradation of human values. In this regard the school and colleges plays an important role.

If the students participate & conduct various activities, their social involvement will make them socially responsible youth as well as citizen of tomorrows India.

This is their age to adopt and learn good antiquates, cultural and human values in their life. For which various activities such as celebration of yoga day, constitutional day, visits to old age homes, distribution of medicines, and clothes and food to needy poor people during pandemic period are arranged.

Counseling and tree plantation programs arranged to understand the importance of green environment need of natural oxygen, anti-ragging counseling sessions for students.

Awareness, importance and demonstration of water harvesting system implemented at our main building is given to newly admitted students.

The awareness about Importance of Energy saving is created among the students and staff by using solar energy, solar water heaters in the boys and girls hostels.

Expert guest lecturers were conducted for girl students for their awareness through women's cell.

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

### 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

14

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

### 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

4

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 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**

228

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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**

9

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**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**

9

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

## 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.

The campus maintenance is monitored through surveillance cameras in main building, classrooms, laboratories, workshop, library, hostels, canteens etc. The college has maintenance committee that oversees the maintenance of all campus. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Adequate in - house staff is employed to maintain hygiene, cleanliness and infrastructure on the campus so as to provide friendly learning environment. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. Considering the huge infrastructure of our institute it was found necessary to deploy an external agency for the work of Housekeeping. Electrical maintenance is done in house. Maintenance engineer for civil works is appointed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

Indoor sports facility like Carom, Chess etc. and Outdoor sport facilities like Volley ball, Basketball, Cricket, handball etc. are available in Institute. The Students utilize sport facilities regularly and during annual social gathering. The sports in

charge looks after the sports activities of the students. Regular maintenance of the Volley Ball court, Gymkhana and Basketball court in college premises is done by the sports in charge in consultation with the respective coaches. Indoor cultural activities are organizing in Ashoka Hall and Outdoor cultural programs are organize cultural open court yard.

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

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

7

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

#### 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)

34.95

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

- Name of ILMS software: Lib-Man (Master soft)
- Nature of automation (fully or partially): Fully
- Version: VII
- Year of Automation: 2005

Library plays a significant role in improving the learning and research ,procuring students with all the resources and facilities they require to enhance their knowledge.Library provides a comfortable and safe learning environment.It helps in all educational and instructional programs in the college. Library supports to improve the understanding process of various subjects among the students and faculties.Library Provides users the availability of computers and engage with digital study materials which covers different subjects .Because of this students and staff members can search their source quickly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**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**

B. Any 3 of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

<b>112.03111</b>	
File Description	Documents
Any additional information	<b>No File Uploaded</b>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>
<b>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)</b>	
<b>4.2.4.1 - Number of teachers and students using library per day over last one year</b>	
<b>47</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>
<b>4.3 - IT Infrastructure</b>	
<b>4.3.1 - Institution frequently updates its IT facilities including Wi-Fi</b>	
<p>With the increasing demand for internet access in educational campuses due to evolving standard of education and flexibility offered by the Internet - universities, colleges, educational institutes etc., are keenly stepping forward to setup secured and stable wired or Wi-Fi network campus for their students.</p> <p>Current status of IT Facilities including Wi-Fi is as follows:</p> <ol style="list-style-type: none"> <li>1. PCs/Laptop available for students is 407 in numbers. These PCs are reserved only for students.</li> <li>2. Number of PCs/Laptop in Language Lab: 20</li> <li>3. Number of Legal System Software: 03</li> <li>4. Number of Legal Application Software: 20</li> </ol>	

5. Number of Open Source Software: 20

6. Printers Available for Students: 19

7. PCs/Laptop available for Faculty Members: 32

8. Number of PCs/Laptop available in Library: 12

9. Number of A1 size color Printers: 1

10. Number of PCs/Laptop available in Administrative Office: 17

In this way our entire college IT infrastructure is well equipped with advanced PCs and updated Software's.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

407

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)**

34.95

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

**Laboratory:** Lab assistant looks after the maintenance of equipment. Lab in charges looks after the smooth functioning of the equipment. If the equipment is non repairable at institute level, then with permission of the Principal, external vendors or suppliers are called for maintenance of the equipment. The cleanliness in the laboratories is maintained with the help of support staff.

**Classroom and Seminar hall:** There are 24 classrooms, 4 seminar halls and 5 tutorial rooms in the Institute out of which 7 are fully equipped with ICT facility. It is well maintained by IT and civil maintenance department.

**Sports:** Indoor and Outdoor sport facilities are available in Institute. The Students utilize sport facilities regularly and during annual social gathering. The sports in charge looks after the sports activities of the students. Regular maintenance of the Volley Ball court, Gymkhana and Basketball court in college premises is done by the sports in charge in consultation with the respective coaches.

**Computers:** For maintaining the computer infrastructure the institute has appointed System Administrator and support staff. They look after the day to day problems of computers and networks and external vendors are called for major problems. The computer infrastructure is upgraded time to time after receiving the requirement from respective departments. **Class Rooms:** Institute has sufficient number of class rooms, Seminar Halls and Drawing



**Halls. These are maintained regularly through concerned support staff.**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<b>Nil</b>

## **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**

**1293**

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### **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**

**15**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>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</b>	<b>B. 3 of the above</b>
File Description	Documents
Link to Institutional website	<b>Nil</b>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>886</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>886</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student</b>	<b>A. All of the above</b>

**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	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

**88**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 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

**16**

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**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**

7

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**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.**

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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 )

Students representatives on various bodies as per established process and norms the P.E.S institute's students council first formed in 1995, is elected unanimously through a fair and democratic process by active participation of all students

The student council consists of general secretary, Joint Secretary, Cultural Secretary, Sports Secretary, Ladies representative and class representative.

Every year the student council members were elected in a democratic and fair process. The elected council members work for the betterment of all students to improve their personality, self-confidence and also motivates the student participation in various cultural, social and sports activity. The student council members also help the faculty in organizing Fresher's welcome party, Teachers day, Engineers day, Annual Social gathering. The students are encouraged to participate in activities beyond their academic curriculum so they become confident and well balanced individuals.

From 2019 as per the university guidelines the student council election were withheld. Hence to carry out the students activities the institute formed the various students clubs.

On 29 th August 2019 the student's club are formed such as Nisarg, Shabdvedh, Kalarang, Abhiviyakti, Swarzankar, Pradnyashodh, Urja etc. to show the inbuilt talents, to improve the stage courage and personality development of the students.

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

### 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

72

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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)	<a href="#">View File</a>

### 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

Registration number: 0222025. The Alumni association of P.E.S. College of Engineering is a registered organization. The association is progressing its work for the development of the college. The president of the alumni association is Mr. Pritam Gugle, Seceretary is Dr. Varsha D. Jadhav, Treasure is Mr. Prashant Pandit with committee members Mr. Mangesh Niturkar, Mr. Mangesh Kachole, Mr. Sachin Borse, Ms. Priti Ghuge ,Mr. Dilip Rathod, Mr. Amit Paikrao. In collaboration with the institute, the Alumni Association of the P.E.S. College of Engineering works to connect alumni, support students. The mission of the Association is to foster strong bonds between alumni, students and the Institute, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the Associations programmes and

services.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)** E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

#### Vision:

To create sound technical manpower with global competitiveness, morality and social sense.

#### Mission:

- To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
- To provide an embellished academic and congenial environment to students for complete learning experience.
- To promote intellectual, moral and social democracy to ensure all-round development of the students.

The People's Education Society (Mumbai) is dedicated to establish, nurture and develop world class institutions of education, for the downtrodden and needy class of the society.

Top management provides academic leadership to faculty in decision making bodies of institution.



- The Principal is academic and administrative head of College including IQAC. He plans and coordinates all academic and administrative activities.
- Deans are appointed for UG and PG academics, R&D, Student Welfare, Industry Institute Interactions, International Relation Cell, IQAC, Infrastructure, Examinations. They monitor the corresponding activities.
- The HODs are involved in decision-making process at all levels. They are members of IQAC. HODs plan development programmes, seminar, conferences, cultural activities etc. in coordination with their faculty.
- Faculty coordinators are part of the decision making with respect to particular portfolio and related activities.

Management always supports all suggestions for improvement and created healthy work culture and atmosphere.

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

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

All academic and administrative activities are decentralized and decisions are taken based on discussions. Deans control the respective activities. HODs are given authority and responsibility to complete desired academic task within the stipulated time. Faculty members are actively involved in finalization of teaching plan, seminars, projects and academic activities.

Institute promotes a culture of participative management which enables staff and

students to give their opinions and suggestions for improvement. HOD's and Deans manage overall academic and support activities. Staff members are involved in various academic committees and participate in industrial visits, in-plant training. The teaching and supporting staff participate in co-curricular activities as

various event in-charge.

e.g. Unit tests as a part of continuous internal evaluation are conducted in decentralized manner at each departmental level. Each departmental HOD along with his faculty plans and monitors this exam at departmental level. Each department takes care of this activity including completion of syllabus, preparation and display of time table for exam, preparation of question papers, invigilation duties, collection of answer papers at coordinator level, distribution of answer papers to subject teacher for assessment, declaration and display of result. Thus all faculty and staff are involved and participated to conduct an activity.

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

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

As per the strategic plan, the incubation center is established and activated in the institute in collaboration with Global Innovators & Entrepreneurs Network (GIENET). The various companies which are intending to put in the GIENET incubation are:

- Autospatial Private Limited: Robotic Parking
- WAPARKING Private Limited: Surface Parking
- BVG Agro: Agricultural Product
- PAYTM: Fintech
- Mondragon Team Academy: Travelling University
- Other Companies: Small Tech Companies

We are also collaborating with Pegases Funds from Mumbai which is backed up by Hiranandani Group.

Under this incubation collaboration, the MoU is signed between PESCOE & One Smarter Inc. USA and agreed upon to develop software

development center and to provide internships, live projects and placements to students.

The incubation center forges a strong collaboration between the institute and industry and to find solutions to technological problems locally which benefits faculty and students by utilizing their full intellectual potential. It helps students, research scholars and faculty members to execute the ideas into products, processes or services for the benefits of society as well as industry. Incubation center is activated in the view of close links and collaborative efforts between the technology park, industry and the institute faculty, researchers and students leading to joint research projects.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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.

Institution Organogram is applied for demonstrating effective and efficient functioning of the institutional bodies.

The PES governing body and BOG guides the general administration of the college towards the achievement of the Vision and Mission. Principal is the head of both the academic and administrative bodies including IQAC. He plans and coordinates all the academic and administrative activities in coordination with various Deans and HODs. Deans plan, monitor and implement their particular portfolio under the supervision of Principal. HODs are responsible for the overall functioning of the department and infrastructural Development in a continuous contact of the department with the Deans and the Principal. All departmental coordinators are responsible for their concerned portfolio of the department under the monitoring and guidelines of HODs. The faculty members and supporting staff discharge all the duties and responsibilities assigned by the Principal, Dean and Head of the department from time to time. Registrar looks after the administrative aspects of the institute such as admissions, custody and maintenance of all the important documents, student

related records. Librarian along with his supporting staff is responsible for providing learning resources in terms of book bank facility, e-Journals, magazines etc.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="http://pescoe.ac.in/campus/data2022/Organization%20Chart.pdf">http://pescoe.ac.in/campus/data2022/Organization%20Chart.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institution takes care of providing effective welfare measures for teaching and non- teaching staff for their growth which are listed below:

- Sabbatical leave for Ph.D. programmes and industrial training.
- On-duty facility for pursuing Ph.D. and to attend training programmes
- Provident fund (P.F.) facility is provided to all, including the non-teaching and temporary staff.

- Gratuity are provided to all the regular staff.
- Accidental insurance is provided to all teaching and non-teaching staff.
- Maternity leave with salary.
- Provision of 25% fees relaxation to the wards of the employees.
- Salaries are paid as per Government norms from time to time.
- Faculty members are also encouraged to pursue higher studies through study leave, flexibility in workload and timing, extension of laboratory, internet and library facilities.
- Non-teaching staff are given facility to undergo further studies.
- Management honors teachers who excel in academic performance; takes care of their general welfare.
- The release of annual increments, as per norms.
- Promotions are done on the basis of the performance.

The faculty members are enabled to participate in and make use of UGC and AICTE sponsored quality improvement programmes, conferences and seminars in the area of specialization, Industrial training, Conceptual understanding sessions, Industrial visits, Faculty development programmes etc.

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

### **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**

2

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

### **6.3.3 - Number of professional development /administrative training 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**

2

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### **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**

36

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

Annual staff performance assessment through a neatly designed appraisal report is obtained from every staff member. It is verified and certified by the Head of the Department and submitted to the Principal. Assessment of the Deans and HODs is done by the Principal. The Management assesses the performance of the Principal.

The self-performance assessment reports and confidential reports of particular staff whether teaching or non-teaching is checked and endorsed by the head of the department and head of the admin for admin staff. Those self-appraisal and confidential reports endorsed by head of the department/ head of the admin is to be submitted to the Principal. The Principal critically examines and studies those reports and finalizes the final grade of the particular teaching or non-teaching staff depending upon the remarks of head of the department/ head of the admin. All such reports finalized by the Principal are put in front of the management for their supervisory control over the performance of the staff. The outcome of the review of performance appraisal and confidential reports by the management are: release of annual increments as per norms and promotions of the staff on the basis of the performance.

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



**6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly 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

The accounts of People's Education Society's (Mumbai) P.E.S. College of Engineering, Nagsenvana, Aurangabad, are regularly audited by our auditors since its inception. The audit of the financial year 2020-2021 was conducted by M/s Bholane Shilawant Co., Chartered Accountants, Aurangabad. Since, our students are availing various Government of India scholarship schemes, it is mandatory on our part to audit the college accounts regularly. Also we have to submit our accounts duly audited to Fees Regulatory Authority, our Management etc. Hence, we regularly audit our accounts, every financial year.

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

**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)**

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

Mobilization of Funds, the student tuition fee is the major source of income for the institute.

Resource Mobilization Policy and Procedure includes following:

- The departments submit annual budget of their department to the Principal.
- Annual budgeting is done by the Principal.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- It includes planned expenses such as lab equipment purchases, furniture, and other development Expenses.
- The annual budget is scrutinized and sanctioned by the Governing Body of the People's Education Society.
- Accounts department monitor whether expenses are exceeding budget provision.
- All the expenditures are done as per the provisions of the sanctioned budget.

Optimal utilization of resources pertains to prime considerations like:

- The institute aims at promoting research, development, consultancy and such other activities, involving the faculty at various levels
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on availability of funds.
- The institute infrastructure is utilized as an examination center for Government examinations/University Examinations.

The optimal utilization is ensured through encouraging innovative teaching-learning practices.

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

## 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

**IQAC plans, initiates and implements some academic quality initiatives and practices in institute.**

**Faculty Training Program was organized under EduSkills on following topics.**

- (1) Robotic Process Automation: Blue Prism**
- (2) Cyber Security: Vulnerability Assessment and Penetration Testing**
- (3) Security Operations Fundamentals**
- (4) Cloud Security Fundamentals**
- (5) Cyber Security Foundation**
- (6) Network Security Fundamentals.**

**The faculty were trained in these areas and appeared and successfully passed the exam titled "Palo Alto Networks Certified Cyber Security Entry Level Technician". Due to this training, they were trained with successful completion of certification in the areas of Cyber Security, Security Operations and Network Security.**

**The faculty completed Foundation Educator Training successfully as part of Blue Prism Academia Program in the field of Robotic Process Automation. The outcome of this practice pertains to the conduction of Blue Prism Foundation Training Program for the students of all branches of the institute. In this practice, well trained successful faculty provided training to the students. The objectives of this training was to make students aware (1) with software tools available in blue prism studio for implementing software robot used for automation of process, (2) for career opportunities in RPA field. The students successfully awarded RPA Foundation Training Certificate.**

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Academic audit as per norms of affiliated university, DBATU is conducted under supervision of External Academic Advisors. In this audit, following points are critically reviewed:

1. Curricular aspects like Implementation of Annual Institutional Plan, Departmental Annual Curricular Plans, College Activity Register, Add-on Courses, Syllabus Coverage, Maintenance of Student Attendance Registers.

2. Teaching Learning & Evaluation comprising of Teaching Diaries & Teaching Plans in Prescribed Formats, Co-Curricular Activities, Academic Competitions, Conduct of Internal Examinations, Subject wise and teacher wise result analysis.

3. Research & Consultancy activities and Extension Activities.

4. Learning Resources including Circulation of Books, Record of Visitors, Library Automation status, e-Lessons & e-Resources/ e-Journals, SWAYAM facilities.

5. Student Support Activities e.g. extra-curricular activities conducted, Maintenance of Placement Cell facilities & records, Career Guidance activities, IQAC activities & maintenance of records, Record of Grievance Redressal Cell / Anti Ragging cell.

6. Basic Amenities, Governance and Leadership, Initiatives like E-Class rooms, Internet Centre etc., Record of best/innovative practices.

Apart from this academic audit, the regular monitoring of the online and offline teaching learning process is done at each department level through standardized academic reforms of the institute. This activity is monitored and implemented by Dean Academics.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **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

Our institute has gender sensitization action plan and has established Women's Grievance Cell with objectives of redressing the grievances of the students and the staff, of any sort related to women. We have formed an Anti-sexual harassment committee since 2014. we regularly conduct Workshops / seminars to create awareness about sexual harassment among the faculty, non-teaching staff and students. The aim is to develop a non-threatening and non-intimidating atmosphere of mutual learning. The committee members do counsel to the students. Confidential counseling is also provided by our institute to victim girls if any. Institutes

provides required facilities to lead women faculties and girl students in a correct and hygienic path by providing safe and secured class rooms, laboratories and entire campus, ladies common room and rest room.

Women cells formed has Organized an online workshop regarding the use of Sanitary Napkin Disposal Machine" to create awareness among the ladies' staff and girls' students at workplace. All the girl students and lady's faculty took the responsibility of utilizing the "Sanitary Napkin Disposal Machine" to make sure Hygiene and maintain surroundings clean.

The "Internal Complaints Committee" is formed for Gender Sensitization and empowerment of women. Women's day is celebrated at Institute level.

File Description	Documents
Annual gender sensitization action plan	<a href="http://pescoe.ac.in/campus/data2022/Annual%20gender%20sensitization%20Action%20plan.pdf">http://pescoe.ac.in/campus/data2022/Annual%20gender%20sensitization%20Action%20plan.pdf</a>
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	<a href="http://pescoe.ac.in/campus/data2022/Specific%20facilities%20for%20woman%20&amp;%20support%20documents.pdf">http://pescoe.ac.in/campus/data2022/Specific%20facilities%20for%20woman%20&amp;%20support%20documents.pdf</a>

**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**

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**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**



Any material unused and rejected like rubbish, trash, refuse, garbage etc. are having storage facility by providing "Dust bins" at every common place like office, veranda, seminar hall etc. Daily morning it collected by the concern person to store at Dumping place located near college campus. "Trench Method " have been adopted for disposal of solid waste. The size of trench (3m x 4m) has been excavated up to 3m deep from ground surface. Refuse is completed and covered with excavated earth up to certain depth.

E- waste and used stationary is collected, dumped and sold out to the concerned agencies.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways

A. Any 4 or All of the above



<b>4. Ban on use of plastic</b>	
<b>5. Landscaping</b>	
File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>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</b>	<b>C. Any 2 of the above</b>
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded
<b>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</b>	<b>C. Any 2 of the above</b>

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

PES College of engineering maintains the diversity in the student profile to inculcate the all-round education. Admission policy is as per the government norms and All admissions are carried out through government CAP rounds only.

Reservations of seats and scholarships apply to SC, ST, OBC, physically challenged category. Affordable fees structure for all students is charged for quality technical education. This allows education to all including economically challenged students and students from oppressed class of the society. Special concession in fees is given by the institute to the needy students having very poor economic condition. The institute and the faculty members work sincerely and honestly to cater the needs of the first-generation learners.

The institute gives equal opportunity to all students and faculties, irrespective of religion, caste and gender to learn, educate and progress.

Basic moral religious techniques along with cultural programs are arranged to promote harmony and happiness at workplace. Various programs are arranged such as Yoga, Tree plantation, Blood donation camps, Visit and help to 'Vridhashrams', 18 hours continuous study program and Covid care center as well as food donations during the pandemic.

The active participation of students and faculties in such activities helps to inculcate inclusive education.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

The institution belongs to the P.E.Society, (Mumbai) founded by Bharat Ratna Dr. Babasaheb Ambedkar who is the father of Indian Constitution. We inculcate the values and culture so that our students turn out to be a true citizen of the country. Institution conducts various programs to sensitize students and faculties towards the values, duties, rights and responsibilities of citizens. The institution celebrates Independence Day, Republic Day, Samvidhan Din (Constitution Day). On the occasion of constitution day institute use to conduct awareness programs and competitions based on the constitution, but due to pandemic, this year we recited the pledge of the constitution. Students and faculties take active participation in these celebrations. For personality development, art of living program is arranged for the students and staff.

Environmental issues, social values, energy conservation, human rights, legislative procedures, value education, personality and behavior development, communication skills are being taught to the students as a part of curriculum.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://pescoe.ac.in/campus/data2022/Sensitization%20of%20students,employees%20&amp;%20Support%20Doc..pdf">http://pescoe.ac.in/campus/data2022/Sensitization%20of%20students,employees%20&amp;%20Support%20Doc..pdf</a>
Any other relevant information	Nil

**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**

**B. Any 3 of the above**

**There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

During the year institute organizes and celebrates various international and national days, and Utsav which helps the students for their self-development and also to enhance the social awareness. By celebrating these days students are getting aware about importance of the day and related subject. The faculties and students take active participation and get motivated. Due to covid 19 pandemic we have arranged few activities in online mode.

The birth anniversary of Chhatrapati Shivaji Maharaj is celebrated on 23rd Feb with motivational speech given by Prof. Dr. Jija Shinde from Devgiri science college Aurangabad.

For the physical and personality development of the student we celebrate international yoga day on 21st June, this year Prof. Dr. S. M. Shinde from Govt. Engineering college Aurangabad, guided the student, through webinar about the importance of pranayama. He has demonstrated scientific technique of pranayama.

On the occasion of Engineers Day, 15TH September Dr.A.P. Paranjape, Chartered Engineer, guided the students regarding startup India scheme in detail. He applied the students to become employer rather than to become employee.

The students are made aware about constitution of India and on every 26th November, we are celebrating constitutional day. All faculties and student read the preamble of constitution.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

(I)

### 1. Title of the Practice:

Teaching Learning process through offline lectures and through virtual classes with the help of ICT enabled tools.

### 2. Objectives of the Practice:

To enhance teaching learning process carried out for the in-depth education.

To carry out teaching learning process in all situations.

### 3. The Context:

The institute has adapted the practice of teaching the students in actual classrooms (offline) as well as through online teaching along with the various ICT enabled tools including video lectures of NPTEL courses.

During pandemic when everything was stopped except education. Institute carried out education successfully with the help of ICT tools.

### 4. The Practice:

Teaching faculty adapted and got well acquainted with the virtual teaching system by using the blend of or either of the following techniques.

1. Use of digital notepad in online/virtual class.
2. Use of Google Classroom, Google Meet, Google form, Microsoft 365, Cisco WebEx, OBS studio.
3. Use Of Audio/Video lectures with PPT. and video lectures from NPTEL.
4. Use of virtual lab
5. Use of ICT enabled smart classroom for live streaming of lectures.

#### 5. Evidence of Success:

Effective teaching was carried out throughout the year. Majority of the students attended the lectures online and excelled in university examination.

#### 6. Problems Encountered and Resources Required:

Non availability of internet facility to the students at remote places. Keeping in view such students, faculty have prepared video lectures and made available to the students.

#### 7. Notes (Optional):

To conduct online lectures, we have faced few problems for which feasible solutions are offered by the institute. During lockdown period, online lectures are conducted by the faculty from home.

As many students are belonging from financial weak background and rural areas where internet facility was not available up to the mark.

We have prepared video lectures, which are provided to the students.

When few students could not attend the offline lectures because of lockdown in their cities. We use to conduct offline lectures in the class which are live streamed.

Sincere efforts are made by all the faculties to continue teaching in all situations. Efforts taken resulted in very good results in university examination and successful completion of the program of final year students.



(II)

1. Title of the Practice:

Hands-on training & practice for students through Maintenance & reparation activities of Utilities & facilities, done at the Institute for CSE, Civil & Electrical Departments.

2. Objectives of the Practice:

To spark the curiosity of learning & discovering through examples of daily applications & amenities.

To heighten & enhance the overall perspective of concepts & Engineering products.

3. The Context:

Electrical Department curate's platforms of learning through Maintenance of various appliances, services and facilities by its trained personnel. Simultaneously, real-time instructions are given to students to perceive theory with practical. Students are demonstrated viable strategies of troubleshooting & maintenance, and at the same time, given the opportunity to carry out guided repairing & fixing of items & services.

4. The Practice:

The Trained Staff & personnel have expertise and technical know-how of handling various devices and malfunctioning of services / devices. The students are made aware with IS rules, safety norms and maintenance work. Students take active participation in the actual repair and maintenance work carried out at Institute level. Electrical circuit design along with the switchgear and protection, actual wiring work is carried out at department level. Training is given to the students regarding the following,

1. Use of handy toolkits and demos of their usage,
2. Use of Precautionary instructions, Dos and Don'ts and Safety norms to be followed,
3. Use of Instructional Material covering basics of a concept
4. Use of Pictorial representations for better understanding.

Also streamlining the concepts by clarifying the applications and relevance of the activities is being carried out.



**5. Evidence of Success:**

Students become receptive to an interactive & riveting learning environment which is apparently being done through this practice

**6. Problems Encountered and Resources Required:**

Students come with a lot of pre-conceived notions & theoretical concepts about how Engineering Stuff works which are erroneous and faulty. As such, they have difficulty grasping the live rectifying operations being done on dysfunctional/repair-worthy instruments.

**7. Notes (Optional):**

It has been observed that students have been ingrained with a very rote and mechanical method of learning. When it comes to implementing their learning, their performance is very disappointing. The underlying cause behind this lack of ability is lack of proper skills and know-how which should be inculcated during practical or lab sessions in their education.

To overcome this flaw, the best practice of integrating real-life problems and their feasible solutions has been implemented by the Electrical Department, Computer Department by taking issues faced in daily life at an Institute level.

This helps the students to upgrade their skills and take initiatives in solving practical problems relating to engineering products and services, which are vetted by Authorized personnel before interfacing them with students.

File Description	Documents
Best practices in the Institutional website	<a href="http://pescoe.ac.in/campus/data2022/Two%20best%20practices%20&amp;%20Support%20Doc..pdf">http://pescoe.ac.in/campus/data2022/Two%20best%20practices%20&amp;%20Support%20Doc..pdf</a>
Any other relevant information	Nil

**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 Institute has a long-standing academic record and imparting

Engineering education from the last 27 years. Since it is one of the oldest Engineering Institutes in a region where there are not many colleges offering technical courses, it is sought-after by students in the entire region, many of whom come from a financially weak background.

The Institute caters to providing state-of-the-art education at fairly feasible rates to such students whose guardians either come from Economically Weaker Sections or rural areas or agricultural or uneducated backgrounds or oppressed class of the society.

Apparently, most of the students avail Scholarships of one or the other form which includes GOI, EBC, TFWS, SC/ST, Minority (Central & State), and the scholarships from various philanthropic organizations. The Institute adheres by its principle to provide holistic education to these students at an affordable price.

The academic profile has been developed & built-up over the years by dynamic faculty members with a proven scholastic track-record.

The distinctiveness of the Institute lies in providing modern & advanced Engineering Education with flexible Pedagogical Practices to children of cash-strapped families at a cost-effective price. Methodology has been so structured that it caters over all education to each student.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

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

1. To enhance institutional innovative and best practices.
2. To develop the strong interlink (interaction) between Training and Placement Cell, Career Guidance Cell, Incubation and Innovation Cell and International Relation Cell of the Institute for strengthening the internships, research and employability of the students.
3. As envisioned in NEP 2020, to initiate the activities in the institute so that the important aspects can be taken care of like: Access, Equity, Inclusiveness involving women, Quality, Future Readiness in NEP-2020, with special

- thrust on Socio Economically Disabled Group (SEDG) etc.
4. To establish collaboration and exchange program for faculties with reputed institutes of national importance and well reputed universities.
  5. To contribute to the growth of the Institution as an eminent Resource Centre for providing True Professionals and thus meet the expectations of the Industries at Global Level.
  6. To conduct activities which motivate students to become innovators and entrepreneurs in the interest of social and national need.
  7. To conduct activities which motivate students for competitive examinations and higher studies.

NAAC