



YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	PDEA's College of Engineering, Manajri (BK)
• Name of the Head of the institution	Dr. R. V. Patil
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02026996275
• Mobile No:	8888776206
• Registered e-mail	coem@pdeapune.org
• Alternate e-mail	rvpatil3475@gmail.com
• Address	Hadapsar - Wagholi Link Raod
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	412307
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated to SPPU
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	Savitribai Phule Pune University				
• Name of the IQAC Coordinator	Dr. Ajit S. Deshpande				
• Phone No.	9325441692				
• Alternate phone No.	9552794174				
• Mobile	9552794174				
• IQAC e-mail address	ajitsd72@gmail.com				
• Alternate e-mail address	ajitsd26@gmail.com				
3. Website address (Web link of the AQAR (Previous Academic Year))	www.pdeacoem.org				
4. Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.pdeacoem.org/downloadacademiccalender?acid=38 , http://www.pdeacoem.org/downloadacademiccalender?acid=39 , http://www.pdeacoem.org/downloadacademiccalender?acid=36				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	B++	2.94	2023	17/03/2023	18/03/2028
6. Date of Establishment of IQAC			20/07/2017		
7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
0	0	0	0	0	
8. Whether composition of IQAC as per latest NAAC guidelines			Yes		

<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File	
9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
100% Academic Result Achieved		
Target to cover 100% syllabus in all classes is achieved.		
Arranged and successfully organized the various events under different clubs.		
College has achieved satisfactory admissions with the increased intake		
Arranged Cocurricular & Extra-Curricular Activities.		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		
Plan of Action	Achievements/Outcomes	
Promote the students participation in University Cultural Competition Events.	8 students participation in Purushottam Karandak	
Organise Constitution Awareness Programs for students during ther birthday week of our President Hon. Shir Ajit Dada	500+ students & staff participated.	

Pawar	
Organise Health Awareness Programs for students.	500+ students participated Health Care & Lifestyle diseases.
Organise Health Awareness Programs for students.	500 students participated in the Stress Management
Organise Entrepreneurship Programs for students	500+ students attended Technological Education & Entrepreneurship Program
To create cyber crime awareness amongst the students	500+ students attended
To arrange Meditaion program for students	160 students attended
Basic Communication Skills for Final Years students	Organized the program under cognitive exchange
Oragnise event on NEP 2020	Arranged and attended by 500 students
To organise Sports events in college	Around 20 sports event were organized including Badminton, Football, cricket, table tennis, Volley Ball, Athletics etc.
To promote Robotics amongst students	Organised the event Robotics Basic & Advanced
To organize events to enhance placement	111 students attended resume writting program
To organize events to enhance placement	96 students attended the soft skill development
To organize events to enhance placement	Organized the program on General Aptitude Tests
To organize events to enhance competitive exams skills	Organized the program for Competitive Exam Skills
13.Whether the AQAR was placed before statutory body?	No
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022	30/05/2022

15. Multidisciplinary / interdisciplinary

Things you need to include in our plan

1. To offer vocational education in ODL/ blended /on-campus modular modes to learners.
2. Skilling courses are planned and already started in institute under IIP and IIPC to be offered to students online and /or in distance mode.
3. Done the collaboration with different companies and signed MOUs for different skilling courses.

16. Academic bank of credits (ABC):

The initiative is taken by the institution to fulfil the requirement of Academic bank of credits as proposed in NEP 2020 as per the guidelines given by University

1. The institution has registered under the ABC to permit its learners to avail themselves of the benefit of multiple entries and exit during the chosen programme.
2. Instructed each student to sign up for the ABC portal.
3. Need to Redesign ERP to accommodate the requirement of multiple entries and exits.
4. Encouraged students to enrol in and complete courses under the Ministry of Human Resource Development (MHRD) like SWAYAM, NPTEL, etc. for added credits.

17. Skill development:

Outcome Based Education (OBE) has been at the heart of the New Education Policy 2020, and this extends to Indian Higher Education Institutions (HEIs) as well. To be ready for OBE in your HEI, you must define clear learning outcomes for each of your courses, as well as create assessments to measure these outcomes accordingly.

1. Adopted student-centric teaching methods and provide students with access to a variety of resources that range from audio-visual materials to classroom simulations.
2. Additionally, faculty members are encouraged to be properly trained on OBE-related processes such as assessment design and development by sending them on training programs.
3. Need to Implement an OBE tool like deQ-OBE to introduce Assurance of Learning (AoL) in your institution to ensure that you are completely aligned with NEP goals.

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

Online education has become the new normal, and it's important to ensure your institute is well-equipped to provide quality education virtually.

1. Implemented Moodle for study material and other resources for students
2. Encouraged the students to register for MOOC courses offered by MHRD in institution to promote a blended learning system of learning.
3. Assignments, quizzes, surveys, and assessments are started to offer in online mode.

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

Outcome Based Education (OBE) has been at the heart of the New Education Policy 2020, and this extends to Indian Higher Education Institutions (HEIs) as well. To be ready for OBE in your HEI, you must define clear learning outcomes for each of your courses, as well as create assessments to measure these outcomes accordingly.

1. Adopted student-centric teaching methods and provide students with access to a variety of resources that range from audio-visual materials to classroom simulations.
2. Additionally, faculty members are encouraged to be properly trained on OBE-related processes such as assessment design and development by sending them on training programs.
3. Need to Implement an OBE tool like deQ-OBE to introduce Assurance of Learning (AoL) in your institution to ensure that you are completely aligned with NEP goals.

20.Distance education/online education:

Online education has become the new normal, and it's important to ensure your institute is well-equipped to provide quality education virtually.

1. Implemented Moodle for study material and other resources for students
2. Encouraged the students to register for MOOC courses offered by MHRD in institution to promote a blended learning system of learning.
3. Assignments, quizzes, surveys, and assessments are started to offer in online mode.

Extended Profile

1.Programme

1.1	419
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1158
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	281
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	259
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	64
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	65
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution

4.1	24
Total number of Classrooms and Seminar halls	

4.2	4095073
Total expenditure excluding salary during the year (INR in lakhs)	

4.3	470
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

PDEA's College of Engineering, Manjari, Bk, Pune is affiliated with Savitribai Phule Pune University, Pune, and follows the regulations, curriculum, etc. prescribed by the SPPU University and also communicate the action plan for every semester through the university calendar.

The members of the academic committee discuss their action plans with the principal to arrive at an optimal and effective way for curriculum delivery. Subject allocation is done based on faculty competency and experience. Faculty prepares the Course file, as per

the content of the index decided by the committee.

At the commencement of every academic semester, an academic calendar gets circulated to all departments. The Principal as well as HOD verifies and validates the academic preparation (Course file) as per the standard preview format and suggestions are given, if required.

Due to COVID-19 pandemic, the Institution has shifted to various online learning platforms like Google meet, zoom, and Moodle, etc. for semester 1 of academic year 2021-22. To ensure effective delivery of the curriculum, a weekly reports of the lectures conducted are kept and forwarded to the concerned academic monitoring committee for corrective action. Academic Review Process is carried out at the semester end to verify implementation of course file.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.pdeacoem.org/downloadpublicdocument?hdid=399

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

An academic calendar for the institute is prepared by following the calendar of SPPU university. The Academic calendar is prepared in the presence of all the Heads of Departments and IQAC members and then it is circulated to all departments as well as it is displayed in all the notice boards and college website for the student's information.

The academic calendar contains the following:

1. working days for the institution, holidays,

2. Commencement of Teaching Learning Process

2. It includes specific dates for conduction of Continuous Evaluations - Internal assessment tests for theory subjects and for Practical, as prescribed by the University.

3. End-semester examinations (Practical & Theory) for University assessments.

4. Cultural events, Holidays, Semester- commencement and conclusion, parent meetings are planned, where they are briefed about the progress of their wards, added infrastructure and facilities of the college.

The progress of the students is continuously monitored through the Continuous internal assessments. The complete process of internal performance evaluation is used by faculties to identify slow and advanced learners. Special attention to the slow learners is provided by conducting remedial classes and the advanced learners are engaged in career development activities.

File Description	Documents
Upload relevant supporting documents	View File
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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

5

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

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

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

12

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

598

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

63

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

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human

Values, Environment and Sustainability into the Curriculum

All the programs offered in the institute have courses in their curriculum which integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human values and Professional Ethics. These are integrated into mandatory and Humanities Elective courses in the UG programs.

The mandatory courses in the curriculum which address these cross cutting issues are 'Induction Program', 'Professional Ethics & Human Values' and 'Technology and Society' in the first year programs, 'Human lives and enhance their skills sets to improve employability', during second year programs, 'Project based learning, internship addressed to the professional ethics in the third year program. The curriculum includes courses that address the Environment and related issues. The B.E Mechanical Engineering program includes courses on solar & wind energy and Energy audit and management.

The institute organizes various awareness programs and events by the NSS unit to alert the students about Human values, Ethics, Environment and Gender awareness. The institute provides equal opportunities to boys and girls in all types of student activities organized. Awareness programs and events are organized on national and international days of importance such as World Health Day, Teachers day, Engineers day, Republic day, Independence day, Yoga day and Sports day etc.

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	View File

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

4

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

996

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	No File Uploaded

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	B. Feedback collected, analyzed and action has been taken
---	--

File Description	Documents
Upload any additional information	View File
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 sanctioned seats during the year

420

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

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

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

132

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

2.2 - Catering to Student Diversity

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

Students securing marks below 40% in university examination are identified as Slow Learners and the student securing marks above 70 % are identified as Advanced Learners. Advanced Learner: We organize Expert Lectures to bridge the gap between curriculum and industry

for advanced learner student. Due to pandemic scenario we motivate students to find their area of interest. We allow students to take part in live project under sponsored project category to enhance their ability. We encourage them to take part in different Project competitions as well as in research paper presentation at appropriate level. Slow Learners: We assign mentor for each student. Student shares their problems with respective mentor and mentor try to solve them. We provide special assistance from teachers. We motivate the students to attend expert lectures, NPTEL lectures which are conducted from various IIT faculties to understand basic concepts. We conduct MOCK examinations. We organize remedial classes for those students who still need to improve in some areas.

File Description	Documents
Link for additional Information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/33_2.2.1%20Learning%20Levels%2021-22.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1158	64

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Instead of conventional teaching-learning process, the institute provides a platform to students to explore independently as well as in a group to learn and to get an experience through the following teaching learning methodologies:

Experimental Learning :

Self- study :All the concern subject teachers gives theory assignment to the students after completion of each unit.

Project Based Learning : This is categories in

1. Mini Project/ Case study
2. Project Based Learning (PBL) which is part of each curriculum for each programme.

Field Based Experiential Learning: We provide industrial visits and Internship at various industries to motivate student to select their domain and area of interest. Sponsored project and add on courses are conducted to enhance the advanced industry knowledge.

Participative Learning :

By forming student teams working jointly to solve a problem, participation in debates and design a model as well as participation in technical competitions. For Real time exposure, students are encouraged to participate at State, National and International Level project competition, various technical competitions, paper publications in conferences and journals.

Problem Solving Methodologies:

All subject teachers from each programme provides miscellaneous problem so that student can develop methodology to solve such problems.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/34_2.3.1%20Students%20Centric%20methods%2021-22.pdf

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

The Institute follows ICT enabled teaching in addition to the traditional classroom education. All 64 teachers of the institute are using ICT tools and resources available. There are ICT enabled classrooms with LCD projectors, and public address systems that are utilized for conducting guest lectures, conferences, FDS and STTPs.

The campus has CCTV camera for servillance prurpose. Language lab are available in the institute. Also institute provides one Smart classroom, one Virtual classroom and one Remote centre. Desktop, laptops and printers are arranged in different classrooms/labs and faculty rooms, HOD Cabins and all prominent places all over the campus. Online Classes are conducted with the help of digital platforms like Zoom, Google Meet, Microsoft Team etc. Google Classroom is extensively used to upload the material required for smooth learning. The institute has a section for e-resources. Digital Library resources (DEL NET) are also available in the institute online.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/35_2.3.2%20ICT%20Tools.pdf

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

64

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

2.4 - Teacher Profile and Quality

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

65

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

04

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

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

2.4.3.1 - Total experience of full-time teachers

16

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

The Institute is accountable to the stakeholders - students, faculty, parents and alumni. The evaluation processes are brought to

the notice of the students and faculty through the following: The evaluation parameters and methodology is finalized in the faculty meeting. Suggestions from the faculties are incorporated in finalizing the policies. The suggestions of alumina taken in alumni meeting are also considered while deciding the strategies. The policies are revised in every semester in general meeting. The Institute makes aware to the admitted students and parent about the evaluation process through the Induction Program conducted at start of college at the Institute level. The Institute notifies the students and parent regarding schedule and structure of internal and SPPU's evaluation.

The term work marks are given on different parameters like ... (i) Attendance of student (ii) Internal examination performance (iii) Continuous assessment and(iv) Mock practical /oral examination. Students' performance is a

File Description	Documents
Any additional information	View File
Link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/37_2.5.1%20Internal%20Assessment%20%2021-22.pdf

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

The institution implements all the redressal of examination related grievances as prescribed by the SPPU. Departmental Examination Coordinator, College Examination Officer and Principal to redress the examination related grievance as per the requirement and jurisdiction of the grievance.

Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory assignments, labs assignments, and mock examinations. The marks are allotted based on defined strategies. The student will discuss their queries with faculty and departmental examination coordinator.

College Level: As per SPPU directives, the institute has appointed a senior and experienced faculty member as College Examination Officer (CEO). The Examination Committee is structured with the Principal as a Chairman assisted by CEO and faculty members from each department. The grievances during the conduction of online theory examinations are considered and discussed in consultation with the Principal by

CEO and if necessary forwarded to the university examination section.

University level: The queries related to results, corrections in mark sheets, other certificates issued by university are handled by examination section after forwarding such queries through the college examination section. Students are allowed to apply for reevaluation by paying necessary processing fee to the university if they are not satisfied with evaluation.

File Description	Documents
Any additional information	View File
Link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/38_2.5.2%20Exam_Grievance_2021-22.pdf

2.6 - Student Performance and Learning Outcomes

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

Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students. The department has clearly defined Programme Educational Objectives (PEOs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs). They have been articulated by taking inputs and suggestions from every stake holder.

Programme Educational Objectives (PEOs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) are clearly stated and uploaded on the website and discussed in the classrooms. COs are also available in the Course file maintained by the faculty members. The PEOs and PSOs are aligned with institute vision and mission statement.

The institute is affiliated to Savitribai Phule Pune University. The curriculum is design by the university and is used to guide the process for defining PEOs.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://pdeacoem.s3.us-east-.amazonaws.com/N AAC_SSR_Document/39_2.6.1%20All%20dept.%20CO%20PO%20_2021-22.pdf
Upload COs for all courses (exemplars from Glossary)	View File

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

1.The attainment of each CO through theory assignments, lab assignments and activities to be performed by students. 2. Assignment questions are provided as per COs mentioned in the syllabus on per unit. 3.Mock Insem and End sem examination questions are prepared as per university syllabus to meet COs. 4.All questions of internal assessments are mapped with COs. Final sheet of attainment is prepared with consideration of all above parameters. Student wise CO attainment calculated by considering threshold value. Threshold value set by subject teacher on the basis of previous subject attainment..

CO attainment calculation:

CO attainment = direct attainment 90% + indirect attainment 10 %

Direct attainment is calculated with the following parameters

1.Theory assignment 2.Continuous assessment 3.Mock Insem + Mock Endsem evaluation 4.University exam assessment Threshold value for attainment is set by the course faculty. Two parameters are calculated 1.No.of students above Thershold 2.% Of students scoring >=Thershold

With above parameters direct attainment is calculated as per the formula: Direct CO Attainment = ((0.3*IA)+(0.7*EA))

Indirect attainment is calculated with feedback and result analysis of the previous semester result of course. The overall PO attainment can be calculated by assigning appropriate weightages to the direct and indirect assessment methods.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/41_2.6.2%20CO%20Attainment%20%2021-22.pdf

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

174

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/42_2.6.3%20All%20Dept.%20Result-21-22.pdf

2.7 - Student Satisfaction Survey

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

https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/43_2.7.1%20SSS%20AQAR%202021-22.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)

0

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

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

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

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

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

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

18

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

3.2 - Research Publications and Awards

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

the year

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

31

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

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

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

8

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

3.3 - Extension Activities

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

The institution has established NSS unit since 2009, which organizes various extension activities to address the various social issues and sensitizes our students towards them. The institute consider the impact of all extension activities on the local community and hence the various social and technical activities, events and programmes are very much reflecting our commitment to operate in a techno-social environment. The institute facilitates the student in various social and technical activities. Institute has conducted various social and technical activities for sensitising and motivating the students regarding social issues and their holistic development. Social activities include Blood Donation Camp, Swachha Bharat Abhiyan, Cashless Economy Workshop, Green Campus, Tree Plantation, Traffic Rule Awareness Rally and Pledge, Road Safety Awareness Program NSS cell, Voter Awareness Camp under Electoral Literacy Club. Similarly, in order to enhance the technical knowledge of

students, institute provides and permits the students to participate in the various national and international technical events and competitions through, Robo-club, Radio-club, CESA, MESA, EESA, ITSA, INSA platforms. Students also made posters to create health awareness among peoples. Activities like Earn and Learn scheme, skill development trainings are organized.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/54_Criteria%203.3_2021_22.pdf
Upload any additional information	View File

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

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

5

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

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

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

10

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

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

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

508

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

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

205

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

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

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

6

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

PDEA's COEM has well-established infrastructure. It helps students in developing and enhancing relevant technical hand skills required in the various engineering industries.

All Departments have the provision of adequate number of classrooms with at most being ICT enabled, Laboratories , HOD room, Seminar Hall, Departmental Library. The books in the Department library are used for the reference by departmental faculty as well as by departmental students. For performing practical assignments in laboratories, advanced software and equipment are provided according to the syllabus structure norms. Instruction manuals of all laboratories are prepared and provided to the students. They are given freehand to perform laboratory experiments, and carry out project works under the guidance of well qualified and skilled professors.

ICT-There are departmental seminar halls where few are provided with internet Lease Line , Wi-Fi, Smart Board, LCD projectors, and public address systems that are utilized for conducting guest lectures, conferences, FDPs, and STTPs. For referencing online study material department provides NPTEL links, Google Classrooms, Digital Library etc. Rather than this IIB Remote centre is also available at college. The campus has CCTV camera for the surveillance purpose.

Laboratories are equipped with all the necessary resources like computers, various kits, UPS, CCTV etc according to the norms of university. There is fully equipped and well maintained workshop

which is the backbone of the real industrial environment.

Rather than this Sports Complex, Gymnasium, Yoga Centre, Administrative Department etc are available at college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.pdeacoem.org/downloadpublicdocument?hdid=425

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

The Institute has both indoor & outdoor sports infrastructure i.e., Football, Cricket Net, Badminton, Table Tennis, and basketball areas. The institute has Indoor games facilities i.e., Table Tennis, Badminton Court, chess, Carom. The gymnasium in the college is equipped with body building and fitness machines like multistation, free weight, bench etc.

YOGA CENTRE - There is a yoga centre which is used for conducting the meditation and yoga sessions time to time for providing the mental relief from stress to students as well as to staff.

CULTURAL - For bringing out the hidden talent of the students and for the exposure of their interpersonal skills, team spirit and management, the students are encouraged to participate in cultural activities at college level and university level. The students are encouraged to participate in Purushottam Karandak and Firodiya Karandak. The college facilitates the students to celebrate Teachers day, Engineers day. During this pandemic, cultural committee has arranged inter departmental events like Poster making competition on any social issue, Dancing, Singing, Acting has been conducted online. Even the other cultural programs like Ganpati Mahotsav, Teachers Day Celebration, and Events under student Association are also carried.

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

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

24

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

13

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

436361

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The library is the knowledge resource centre of the college and is partially computerized through Integrated Library Management System with the help of Tech Divinity Digital education system, The LMS has modules Viz. Library Category Master, Item Management, Subscription Management, Library Membership, Issue Item, Return Item, News Paper entry etc. This software provides facility to create, view and print

records of accession register, bill report, and membership reports etc. The software has facility to generate identity card for students and staff. Issue and return of books is done manually as well as through Barcode system. The collection has knowledge books such as Dictionaries, Britannica Encyclopaedia, India Year book, Manorama Year book. CDs on different subjects like e-books and e-journals are available for students and staff. The central library has a membership of Jaykar Library, Savitribai Phule Pune University, Pune.

Portal is designed on college website (www.pdeacoem.org) to act as a one stop solution for different services for user such as collection and facilities. Important links are provided on portal for SPPU-Syllabus, SPPU-Question papers, Shodhganga, Shodhsindhu, DELNET Databases (Union Catalogue of Books/Journals/Theses), Jaykar Library, National Library, Directory of Open Access Journals (DOAJ), Directory of Open Access Books (DOAB), National Digital Library.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	http://www.pdeacoem.org/resources.jsp

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above
--	--------------------------------------

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

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

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

3.645

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

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

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

460

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

4.3 - IT Infrastructure

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

In our college, laboratories are enabled with LAN facility with bandwidth of 70 Mbps leased line from BSNL service provider and there is also a secondary backup from Reliance Jio. Wi-Fi connection has also been enabled. Most of the classrooms are equipped with Wi-Fi connection. Wi-Fi and LAN facilities keeps on upgrading according to the norms of AICTE.

There are departmental seminar halls where few are provided with internet Lease Line , Wi-Fi, Interactive Board, LCD projectors, and public address systems that are utilized for conducting guest lectures, conferences, FDPs, and STTPs. The campus has CCTV camera for the surveillance purpose.

For online learning, Teachers and students can use NPTEL links, Google Classrooms are also availed for uploading the academic related information.. According to the requirement/recommendation from department, upgradations in infrastructure are being processed

- Outdated computer systems are either upgraded or replaced time to time for better consumption of each resource.
- Developed e-learning facilities in all classrooms which will

help to enhance the knowledge of students.

- All software and hardware are updated according to the curriculum requirements.
- Digital library, e-journals, internet and Wi-Fi facilities, CCTV are upgraded time to time.
- Faculty and students are encouraged to use open source software.

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

4.3.2 - Number of Computers

470

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

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

3658712

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the institute. The maintenance of physical, academic and support facilities are carried out by the respective department with the help of in house staff on daily basis or periodically. And care has been taken to keep the equipment's, machine etc in working condition. In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. Supervisor is appointed to monitor and maintain the physical facilities and Housekeeping. facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.pdeacoem.org/downloadpublicdocument?hdid=420

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

882

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
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)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

08

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

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

A. All of the above

File Description	Documents
Link to institutional website	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/51_Criteria%205.1.3_%202021_22.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

620

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

620

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

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

43

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

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

5.2.2.1 - Number of outgoing student progression to higher education

02

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/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.

06

File Description	Documents
e-copies of award letters and certificates	View File
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)	View File

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

Students Council is established every year as per SPPU guidelines. The student council comprises SDO, a senior faculty member, Physical Director, NSS program officer, and Class Representatives (CRs/LRs) from all classes. All these members are selected/elected per the guidelines SPPU gives from time to time.

Student Council Structure

Sr. no

Designation

1

Principal

Chairman

2

Student Development Officer

Member

3

Senior Teacher

Member

4

NSS Program Officer

Member

5

Director of Physical Education

Member

6

General Secretary (Student)

Member

7

Sports Secretary (Student)

Member

8

Cultural secretary (Student)

Member

9

NSS secretary (Student)

Member

10

Technical secretary (Student)

Member

11

Treasurer (Student)

Member

12

Lady Student Representative

Member

The Activities student council:

- To see the student's problems and convey them to the concerned authority.
- Organizes various activities and events in the college such as academics, co-curricular, cultural and extra-curricular.
- Motivate the students to participate in college activities.
- Improve leadership qualities by giving opportunities to students.
- Organization of national or university-level technical symposiums like FUTURIZM.
- Motivate students to participate in Technical and Co-curricular activities.
- Celebration of National Days, Teacher Day, and Engineers Day.
- The organization of blood donation camps, tree plantations, and voter's awareness programs.
- The organization of programs through NSS unit.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/52_Criteria%205.3.2_%202021_22.pdf
Upload any additional information	View File

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

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

33

File Description	Documents
Report of the event	View File
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)	View File

5.4 - Alumni Engagement

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

Contribution of the Alumni Association to the Institution

- To extend help to the students of this college for placement and industrial training.
- To act as a bridge between college and the industries for interaction on new developments in industries for different engineering disciplines.
- To assist the college students in promoting R and D

activities, testing, and consultancy.

- To encourage the students from the department by awarding prizes to deserving students showing bright performance in education, sports, and culture.
- To enrich the central library by donating old and new books in engineering and technology.
- Organize programs on personality development, interview technique, leadership development, education in health science, yoga, literature, sports, etc.
- Alumni Association helps to enhance core values of excellence, lifelong relationships, lifelong learning, inclusiveness and diversity, and global citizenship.
- Support a strong relationship between the Alumni Association and current students.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/53_Criteria%205.4.1_%202021_22.pdf
Upload any additional information	View File

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

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The Pune District Education Association, Pune, Maharashtra was established in 1942. The society has initiated an institution by name " P.D.E.A's College of Engineering" in 1998 to provide quality technical education to students from both rural and urban areas.

Governance :

The governance of P.D.E.A's College of Engineering is planned by keeping in view of the mentioned vision and mission. The institution strives to achieve its vision by working through its mission with key factors such as good governance, quality academic processes, and infrastructure.

The institution has an Academic Council, chaired by the Principal and heads of all the departments. It provides expert advice in formulating academic policies, regulations, goals and objectives to promote career opportunities for the students.

Internal Quality Assurance Cell (IQAC) has been established as per the guidelines with a view to promote over all quality standards.

Perspective Plan: The perspective plan for the next five years includes continuing the status of accreditations, Centre of excellence, consultancy and placements.

Participation of the staff members : The faculties and other staff members are involved in various decision making bodies like College Development Committee, Governing council and various portfolios etc. of the institution.

File Description	Documents
Paste link for additional information	http://www.pdeacoem.org/visionmission.jsp
Upload any additional information	View File

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

The management is highly committed and dedicated to the service of catering to the contemporary requirements to impart quality education. The management gives freedom to the Principal to fulfill the vision and mission of the college. The management provides the required infrastructure for the proper functioning of the institution. The responsibilities of each faculty member are communicated through Principal and HODs in regular staff meetings. The Management, Principal and faculty of the college are committed towards strategic work, its implementation and maintain

documentation, and extend further efforts to continue the effectiveness of the plans through a Quality Management System. Management is committed to ensure conformity and compliance with standards. The institution follows decentralization and participative management which promotes quality in education system.

Preparation of the next academic year with Working days and mock exams, Department activities, Guest Lectures, Industrial Visits, Internships, Placement Training, FDPs / Workshops / Conferences, and celebrations.

The HOD's submits the final schedule to Principal for approval. All committees follow the same. Maximum events as per schedule are conducted every year.

File Description	Documents
Paste link for additional information	http://www.pdeacoem.org/downloadpublicdocument?hdid=356
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Institution has designed the strategic / perspective plan and it is developed, driven, deployed and reviewed through IQAC. The different quality parameters given in strategic / perspective plan are effectively implemented and review by all stakeholders in line with vision and mission of the institute. There is a special emphasis on Outcome Based Education (OBE) and Experiential Learning .The IQAC takes into account the vision and mission and several other aspects of the institution and formulates processes to ensure quality outcomes.

The prominent resources that the institution currently has well qualified and experienced faculty members Central Library, Good infrastructure facilities with well-equipped laboratories and computer center.

Perspective Plan for the development of college:

Strengthen industry-institute interaction. Improvement of consultancy services.

Establishment of new innovation and incubation centers, Centre of Excellence.

Creating an intense research ambiance interms of establishing recognized R&D centers in all the departments.

The following major deployments have been taken place after the accreditation

Standardizing the OBE based teaching-learning processes.

Strengthen the alumni association.

Recognized as NPTEL Local Chapter.

Adoption of Choice Based Credit System (CBCS) in curriculum

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	collegecirculars.unipune.ac.in/sites/documents/Syllabus2020/SE Computer Engg. 2019 course 28.06.2021.pdf
Upload any additional information	View File

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

The institute has an efficient governance structure.

The members of Management take keen interest in the development of the Institute. Their association with the Institute through CDC, IQAC, Purchase Committee, Academic and other committees has always proved to be supportive. The day to day administration is seen by the Principal, and Heads of Departments.

Service rules, policies and procedures:

The acts and rules are adopted as guidelines for procedures, recruitment, promotional policies, code of conduct issued from time to time by the regulatory bodies like AICTE, DTE Maharashtra state, Savitribai Phule Pune University from inception. All other applicable state/central government rules and Bye-laws of Pune District Education Association are duly considered. The Institute has clearly defined policies for all administrative and academic processes. These are approved by the parent body. All processes are adhered to and implemented with a high degree of transparency. The Institute communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders through Institute website www.pdeacoem.org, admission brochure, Institute/departmental photos, Induction and orientation programs, alumni and parents, placement brochure, newsletters and Institute Magazine and so on.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/20_2021-22_6.2.2_Service%20rules.pdf
Link to Organogram of the Institution webpage	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/44_2021-22_6.2.2_Organogram%20of%20the%20Institution.docx
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The institution has effective welfare measures for its employees and it provides a caring and supportive working environment for them. Some of the welfare measures for teaching and non-teaching staff are listed below-

Welfare schemes for Teaching

Non-teaching

- Maternity leave for female staff is provided as per the prescribed norms.

CL & ML are also provided as per the prescribed norms.

- On Duty leaves for attending conferences / seminars / research activities and examination works assigned by the SPPU and industrial training.

- Vacation leave is provided as per the period prescribed in the SPPU Academic Calendar.

- Provident Fund to all the approved staff.

- Appreciation/Reward for remarkable work/outstanding contribution/Ph.D. Completion.

- Permission is given to the staff for higher education.

- Financial support is provided to staff for conferences / Research work / STTP / FDP / Workshop / Seminar, etc.

Maternity leave for female staff is provided as per the prescribed norms.

- CL & ML are also provided as per the prescribed norms.
 - Vacation leave is provided as per the period prescribed in the SPPU Academic Calendar.
- Provident Fund to all the permanent Nonteaching staff members.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/23_2021-22_6.3.1_Welfare%20Measures.pdf
Upload any additional information	View File

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

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

5

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

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

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

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	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

23

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

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

A performance appraisal system for faculties is set-up, well integrated with institutional functioning. All regular teaching and non-teaching staff of the Institute are evaluated every year..

Performance Appraisal is based on :

For Teaching Staff :

- 1) Teaching- Learning evaluation.
- 2) Co-curricular and professional development activities.
- 3) Administrative and extracurricular development contribution.
- 4) Research, consultancy and development contribution.

All non-teaching staff is also assessed through annual performance appraisal.

For Non-teaching staff :

- 1) TEACHING, LEARNING & EVALUATION RELATED ACTIVITIES.
- 2) CO-CURRICULAR & EXTRA CURRICULAR & PROFESSION DEVELOPMENT RELATED ACTIVITIES.

RESEARCH,CONSULLARY & DEVELOPMENT CONTRIBUTIONS.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/26_2021-22_6.3.5_PAS.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The institute has a well-defined mechanism for internal and external

audit. The internal financial audit of the institution is an ongoing continuous process. In addition to these external auditors also verify and certify the entire Income, Expenditure and the Capital Expenditure of the Institute every year.

Internal Auditors have been appointed at Head Office Level and a team of staff under them to do a thorough check and verification of all financial details that are carried out in each financial year. Likewise, an external audit is also carried out in an elaborate way every year by external statutory Auditors as per the standard norms of Audit and Government regulations. The institute regularly follows Internal & external financial audit system.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/27_2021-22_6.4.1%20RP.pdf
Upload any additional information	View File

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

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

50000/-

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

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

Institute maintains and follows a well-defined process for the mobilization of funds and resources through various committees. Institute has designed well framed policy / Annual budget for the fund and resource utilization. Tuition fee of students is the major source of income for the institute. Sponsorship funds are also sought from various government and non-government agencies for

events like seminar/workshops etc.

Utilization of Funds

The optimum utilization of funds for various recurring and non-recurring expenses is monitored by all concerned.

The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books, etc. and scrutinized the same before a final decision is made based on different parameters.

The Principal and committee members ensure that the expenditure lies within the allotted budget.

Resource Mobilization Policy and Procedure

At the commencement of financial year, institutional budget is prepared which includes recurring expenses such as salary, electricity and internet charges, stationary along with planned expenses such as lab equipment purchases, furniture etc.

The budget is scrutinized and approved by the College Development Committee (CDC).

Statutory auditors are also appointed for certification of the financial statements every year.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/29_2021-22_6.4.3%20RP.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The contribution of IQAC is very positive since its formation in the year 2016-17. The IQAC has very well defined the standard process to

be carried out across the Institute for continuous improvements in the goals set by the IQAC. IQAC regularly reviews the performance in all the sectors by the following methodology:

By conducting Regular IQAC - Meetings throughout the year Course Coverage is checked in regular intervals

Reviews are taken about the proposals submitted by the Faculties for Sponsored Projects

Regular reviews are taken about the targets set for the Industry linkage for consultancy projects, MoUs, Internship opportunities etc.

Reviews are taken about the Qualification Improvement efforts taken by the Teaching staff members by arranging the Workshops, seminars, FDPs at our College and encouraging them to attend all of these in other colleges of the university.

The College provides financial support to Teachers for attending the FDPs, Workshops & Seminars as per the recommendations of IQAC.

The College provides support like OD leaves and other leaves for completing the PG & Ph.D. of Teaching Staff.

Regular targets are set for arrangement of Extra Curricular, Co curricular activities, NSS activities, Sports & Cultural activities.

Equipment Maintenance: IQAC has set goal for improvements in the Maintenance activities to be carried out in college.

Focus on improvements in Hostel Facilities to the students.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/18_2021-22_6.5.1%20IQAC%20Composition.pdf
Upload any additional information	View File

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

Institute IQAC plays an important role in reviewing the teaching learning process and focuses on effective implementation of Outcome-Based Education (OBE) for all the programs.

The institute has defined Programme Outcomes (POs) based on 12 Graduate Attributes (GAs) as suggested by NAAC.

With the revision in curriculum by affiliating university (SPPU) Course Outcomes (COs) are defined for each course.

Appropriate teaching methodologies and assessment tools are planned and implemented for effective student centric learning.

IQAC has well defined policy and process to define set attainment levels for COs and POs.

At the end of academic year IQAC conducts the academic audit, reviews as well as records the attainment levels and suggests various activities for incremental improvement.

File Description	Documents
Paste link for additional information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/19_2021-22_6.5.2%20Minutes%20of%20meeting.pdf
Upload any additional information	View File

<p>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)</p>	<p>C. Any 2 of the above</p>
--	-------------------------------------

File Description	Documents
Paste web link of Annual reports of Institution	http://www.pdeacoem.org/downloadpublicdocument?hdid=363
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Institute takes various initiatives for gender awareness and sensitization in the campus regarding rights of women. It has been experienced that gender-based discriminations exists in all walks of life and every part of society, including everyday interactions at the workplace and public space.

Institute ensures respectand maintains dignified behavior with each female student and staff as well. We ensure equal participations of girls students in cultural activities, sports, NSS, debate, celebrations, and performing arts. Institute conducts awareness program for safety and security, career enhancement on regular basis.

Additional facilities:

1. Vishakha Women's Grievance Ombudsman

2. CCTV Surveillance system

3. Girls Common Room

File Description	Documents
Annual gender sensitization action plan	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/45_7.1.1%20A%20Gender%20sensitisation.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://pdeacoem.s3.us-east-2.amazonaws.com/NAAC_SSR_Document/46_7.1.1%20B%20facilities.pdf

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	View File
Any other relevant information	No File Uploaded

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

The College facilitates several methods for the management of degradable and non-degradable waste. In the college premise different dustbins are identified and setup for dry and wet waste disposal, which is then disposed off at identified place (separate Pit) for recycle and manure conversion. College has Waste Recycling System in practice.

E-waste management: Collection of E-waste is done by authorized E-waste collection Vendor. For old CDs, College has CD crusher made by Mechanical students.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. landscaping with trees and plants**

A. Any 4 or All of the above

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

A. Any 4 or all of the above

3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

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

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	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).

Institute is undertaking various initiatives in the form of celebration of national festivals, annual cultural event

(CONFLUENCE), annual sports event and other such activities to provide for an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment. These functions help in developing tolerance harmony towards culture, region and linguistics and also communal social economics and other diversities. Two important national festivals, Republic Day and Independent Day are celebrated every year in our Campus.

Every year NSS Cell conducts Winter Resident Camp in villages for NSS volunteers. These camps are directed towards various social issues impacting the lives of the people in the community including social and cultural values among the young students. The volunteers mainly undertake awareness generation activities with regard to the social issues.

To deliberate on the linguistic harmony, Birth Anniversary of Sir APJ Kalam is celebrated as Vachan Prerana Diwas to promote reading habits in students. Our Library has not only technical books but also number of books in regional languages also.

In this way Institution put efforts/initiatives in providing the inclusive environment like tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities .

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

Institute has organized many activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. Every year, Republic day and Independence Day are celebrated with great enthusiasm. Speeches are delivered on sacrifices of our freedom fighters and journey of Independence. Our constitution provides for human dignity, equality, social justice, human rights and freedom, equity and respect and superiority of constitution in the national life. Code of Conduct is designed on the basis of these values only. This code of conduct is equally applicable to staff and students. Abiding this Code of

Conduct ensures that staff and students adhere to Constitutional Values.

All students are sensitized on our constitutional rights, values, duties and responsibilities through FE Orientation Program arranged every year. Preamble of Constitution is displayed at the entrance of college which is creating awareness of constitution among all stakeholders

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

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

A. All of the above

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

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

Institute believes in celebrating events and festivals in college.

It is an integral part of learning and building a strong cultural belief in a student. The College makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year. In academic year 2021-22, we celebrated the following days like International Yoga Day, International Women's Day, Independence Day, Republic Day, Birth Anniversaries of Chatrapati Shivaji Maharaj, Dr. Sarvapalli Radhakhishnan, Mahatma Gandhi, and Swami Vivekananda, Marathi Bhasha Diwas, etc

In this way Institute celebrated/ organized national and international commemorative days, events and festivals.

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

Best Practice I

1. Title of the Practice: ROBOCLUB - Robotics Students Club.
2. Objectives of the Practice: To encourage and support practical implementations of robotics curricula in schools. To enhance Creativity and Problem-solving Skills among students.
3. Goals: To club together the knowledge from various branches of Engineering into the field of robotics.
4. The Context: Technology is present everywhere, except in schools. Technologies in schools today do not support the 21st-century learning skills. Robotics is just the servant of other subjects we need for new and broader perspectives.
5. The Practice: PDEA's College of Engineering has Robotics students club where students teach robotics to interested students in school. Each year we train 30 to 50 students of our college.
6. Evidence of Success : . Project presentation can be seen through youtube link provided <https://youtu.be/XNsUwV4XSZI>.

BEST PRACTICE NO. 2

Title of the Practice: Entrepreneurship Development Cell(ED Cell)

Goals:To identify and motivate budding entrepreneurs, to facilitate budding entrepreneurs by providing information on entrepreneurial opportunities.

Context: One of the most important steps taken at the institution was the establishment of the Entrepreneurship Development Centre (EDC) in the campus. The establishment of this centre was a step taken by the college to prepare the students for their future journey as entrepreneurs.

Evidence of Success: Our Institute have main motive of creating maximum number of entrepreneurs who can provide employment to society.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

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 the vision to uplift common masses by rendering value added education. To achieve this institute is continuously working towards creating engineers receptive to the changing demands of the global market. As per motto of our parent Organization, Institute is trying to reach more rural school going students and is providing them training of Robotics with our trained students. In our institute we have formed a group of students from all branches of engineering who are interested in the field of robotics. They conduct STTP, seminars and workshops in the different schools located in rural area of Pune district. By doing this the college students expose the rural school students with latest trends, knowledge & skills. Based on the exposure to these students they prepare the projects/working models based on the need of their local area. With the successful experience of Robotics Training activities in various PDEA's (Parent organization) schools, Institute is planning for conduction of training students in other demanding technologies like Cyber Security, Drone making, Ethical Hacking, Artificial Intelligence, etc. With this Institute will be able to

make aware of latest technologies to rural students.

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

7.3.2 - Plan of action for the next academic year

Following is the perspective plan of the college for A Y 2021-22

1. Enhancing the quality of Teaching - Learning

- To provide more student-centrist teaching - learning methodology
- Up -gradation of skills of staff through STTP, FDP, QIP, web learning through NPTEL, etc
- Creating infrastructure to use modern teaching aid.

2. Promotion of Research among staff and students

- Providing platform to the faculty and students for R & D activities
- Encouraging faculty members to undertake research work and research publication in a reputed journal, conferences, etc
- Inviting experts and eminent person on research committee for evaluating

progress of research activities is in various departments.

- Taking efforts to undertake sponsored research project

3.Improving Industry-Institution Interaction?

- Providing platform to the students to undertake internship in related industries
- Providing skill based training to the student.
- Signing MoU with organization/corporate/industry to exchange the knowledge and expertise in related program of engineering.

4, Engaging extension activities

- Inculcating a value system in students
- Developing leadership qualities in students through various activities

- Contributing to social change and promoting green initiatives

5. Quality Assurance Measures

- NAAC Accreditation and Re-accreditation
- NBA Accreditation
- NIRF Ranking
- To straighten the Internal Quality Assurance Cell (IQAC)