



AQAR REPORT REVIEW

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING

Aishe id : C-18500

Submitted for : 2020-2021

Submitted Date : 21/04/2022 03:11 PM

Reference AQAR Link : [Click here](#)

Over all Comments : ok

Acceptance date : 05/12/2022

Review/Re-open History

| SL NO | Comments by Officer | Review Date | Response of Institution |
|-------|---|-------------|---|
| 1 | Kindly reopen and verify data for each metric ,upload supporting files where ever required . AQAR once accepted then data cannot be edited. If the data is not available kindly write 00 or nil. | 21/04/2022 | We are submitting the AQAR for 2020-2021 after minor editing. |
| 2 | In 1.1 Number of courses offered by the institution across all programs during the year- provide number of subjects taught across all programs in the institution, In 2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year-link not opening ,In 2.3 Number of outgoing/ final year students during the year- irrelevant supporting document, In 3.1 Number of full time teachers during | 20/05/2022 | We have already resubmitted the AQAR after editing |



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution

Priyadarshini Bahgwati College of Engineering,

- Name of the Head of the institution **Dr. N.K. Choudhari**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **07122710281**
- Mobile No: **9823273864**
- Registered e-mail **pricipalpbcoe@gmail.com**
- Alternate e-mail **drnitinchoudhari@gmail.com**
- Address **Harpur Nagar, Umrer Road. Near Bada Tajbagh**
- City/Town **Nagpur**
- State/UT **Maharashtra**
- Pin Code **440024**

2.Institutional status

- Affiliated / Constitution Colleges
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **Rashtrasant Tukdoji Maharaj Nagpur University**
- Name of the IQAC Coordinator **Dr. (Mrs.) A. R. Chaudhari**
- Phone No. **9823285684**
- Alternate phone No. **07122710281**
- Mobile **9823285684**
- IQAC e-mail address **pbcoeqac@gmail.com**
- Alternate e-mail address **arcbce@gmail.com**

3. Website address (Web link of the AQAR (Previous Academic Year)) http://www.pbcoe.edu.in/naac_aqar.php

4. Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://www.pbcoe.edu.in/naac_academic_calendar

5. Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|----------------|----------|-------------|-----------------------|-------------------|-------------------|
| Cycle 1 | B | 2.16 | 2017 | 27/11/2017 | 26/11/2022 |

6. Date of Establishment of IQAC **03/02/2016**

7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|-----------------------------------|------------|----------------|-----------------------------|------------|
| Nil | Nil | Nil | Nil | Nil |

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year 3

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

Academic and administrative audit, Green Audit, Signed up MOU with different organisations. Short term training programs for teaching staff. Signed Up MOU with different organisations Students placement in reputed organisations. Conducted various online technical activities during lockdown period of COVID19.

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 |
|---|---|
| Few class-rooms with LCD facilities and Wi-Fi/ LAN to be augmented. for online teaching | Three classroom per department were prepared with ICT facilities and Wi-Fi for online teaching. |
| To Conduct various conferences / STTP / FDP/ Workshops / Seminars etc. | Various Workshops and Expert Lectures for Students and Teachers were organized. |
| To Prepare Perspective plan for all the departments of the institute | In the IQAC meetings, few departments prepared and presented their perspective plan. |
| To Reconstitute IQAC committee as per requirement | Team IQAC was reconstituted which includes Teachers, Administrative Staff, Management Representatives, External Experts, Alumni, Parent, Student Representatives etc. |
| To Motivate faculty members to pursue Ph. D. | .Many faculty members have registered for Ph.D. and few have submitted thesis. |
| To Increase Industry Institute Interaction Activities | Students worked on industry based project , MOU signed up with various organisations Students completed Industry Internships |
| To Apply for NIRF ranking Institute | Applied for National Institutional Ranking Framework (NIRF), MHRD, Government of India. |
| To Conduct of Green Audit | Green Audit was conducted. |
| IT Infrastructure to be augmented. | Internet bandwidth has been augmented to 100MPBS form 65 MPBS |

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

| Name | Date of meeting(s) |
|-------------------------------|--------------------|
| College Development Committee | 22/10/2021 |

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

| | |
|--|--|
| 1.Name of the Institution | Priyadarshini Bahgwati College of Engineering, |
| • Name of the Head of the institution | Dr. N.K. Choudhari |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 07122710281 |
| • Mobile No: | 9823273864 |
| • Registered e-mail | pricipalpbcoe@gmail.com |
| • Alternate e-mail | drnitinchoudhari@gmail.com |
| • Address | Harpur Nagar, Umrer Road. Near Bada Tajbagh |
| • City/Town | Nagpur |
| • State/UT | Maharashtra |
| • Pin Code | 440024 |
| 2.Institutional status | |
| • Affiliated / Constitution Colleges | |
| • Type of Institution | Co-education |
| • Location | Urban |
| • Financial Status | Self-financing |
| • Name of the Affiliating University | Rashtrasant Tukdoji Maharaj Nagpur University |

| | | | | | |
|--|---|----------------|-----------------------------|---------------|-------------|
| • Name of the IQAC Coordinator | Dr. (Mrs.) A. R. Chaudhari | | | | |
| • Phone No. | 9823285684 | | | | |
| • Alternate phone No. | 07122710281 | | | | |
| • Mobile | 9823285684 | | | | |
| • IQAC e-mail address | pbcoeqac@gmail.com | | | | |
| • Alternate e-mail address | arcbce@gmail.com | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year)) | http://www.pbcoe.edu.in/naac_agar.php | | | | |
| 4.Whether Academic Calendar prepared during the year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://www.pbcoe.edu.in/naac_academic_calendar | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
| Cycle 1 | B | 2.16 | 2017 | 27/11/2017 | 26/11/2022 |
| 6.Date of Establishment of IQAC | | | 03/02/2016 | | |
| 7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc., | | | | | |
| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount | |
| Nil | Nil | Nil | Nil | Nil | |
| 8.Whether composition of IQAC as per latest NAAC guidelines | | | Yes | | |
| • Upload latest notification of formation of IQAC | | | View File | | |
| 9.No. of IQAC meetings held during the year | | | 3 | | |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have | | | Yes | | |

| | | |
|---|---------------------------|--|
| been uploaded on the institutional website? | | |
| <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) | | |
| Academic and administrative audit, Green Audit, Signed up MOU with different organisations. Short term training programs for teaching staff. Signed Up MOU with different organisations Students placement in reputed organisations. Conducted various online technical activities during lockdown period of COVID19. | | |
| 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 |
|---|---|
| Few class-rooms with LCD facilities and Wi-Fi/ LAN to be augmented. for online teaching | Three classroom per department were prepared with ICT facilities and Wi-Fi for online teaching. |
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| To Prepare Perspective plan for all the departments of the institute | In the IQAC meetings, few departments prepared and presented their perspective plan. |
| To Reconstitute IQAC committee as per requirement | Team IQAC was reconstituted which includes Teachers, Administrative Staff, Management Representatives, External Experts, Alumni, Parent, Student Representatives etc. |
| To Motivate faculty members to pursue Ph. D. | .Many faculty members have registered for Ph.D. and few have submitted thesis. |
| To Increase Industry Institute Interaction Activities | Students worked on industry based project , MOU signed up with various organisations Students completed Industry Internships |
| To Apply for NIRF ranking Institute | Applied for National Institutional Ranking Framework (NIRF), MHRD, Government of India. |
| To Conduct of Green Audit | Green Audit was conducted. |
| IT Infrastructure to be augmented. | Internet bandwidth has been augmented to 100MPBS form 65 MPBS |
| 13.Whether the AQAR was placed before statutory body? | Yes |
| <ul style="list-style-type: none"> Name of the statutory body | |

| Name | Date of meeting(s) |
|---|--------------------|
| College Development Committee | 22/10/2021 |
| 14.Whether institutional data submitted to AISHE | |
| Year | Date of Submission |
| 2021 | 23/02/2022 |
| 15.Multidisciplinary / interdisciplinary | |
| <p>To create an interdisciplinary exposure to students in our college we are conducting various technical activities like project competition, seminars etc.In addition to this for final year projects students are motivated to carry out projects that involves the role of faculty from other departments also.</p> | |
| 16.Academic bank of credits (ABC): | |
| It is in process and will be implimented in due course of time. | |
| 17.Skill development: | |
| <p>At college level we have various cells to enhance the various technical as well as social skills of students . To do this we organize various intradepartment and Intercollegiate activities for the students.Planning to start photography club, Coding club, Robotics club, performing arts club and innovation club at College level.</p> | |
| 18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course) | |
| <p>Faculty and students are motivated to make the use of Indian language while teaching.They are encouraged to do online courses to enhance their language skills.We always strive hard to promote and preserve Indian culture through various programs at our Institute. planning to start literary club at college campus.</p> | |
| 19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE): | |
| <p>As per NEP 2020 we are focusing on Outcome based education.We are using various innovative teaching practices to achieve learning outcome.IQAC have organized workshops on Outcome based education and CO PO mapping.</p> | |
| 20.Distance education/online education: | |

Students and faculty members are encouraged to do online certification through NPTEL, Swayam portal.

Extended Profile

1.Programme

| | |
|--|-----|
| 1.1 | 276 |
| Number of courses offered by the institution across all programs during the year | |

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

2.Student

| | |
|------------------------------------|------|
| 2.1 | 1073 |
| Number of students during the year | |

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

| | |
|--|-----|
| 2.2 | 919 |
| 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 | 284 |
| Number of outgoing/ final year students during the year | |

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

3.Academic

| | |
|--|----|
| 3.1 | 70 |
| Number of full time teachers during the year | |

| File Description | Documents |
|---|---------------------------|
| Data Template | View File |
| 3.2 Number of Sanctioned posts during the year | 70 |
| File Description | Documents |
| Data Template | View File |
| 4.Institution | |
| 4.1 Total number of Classrooms and Seminar halls | 39 |
| 4.2 Total expenditure excluding salary during the year (INR in lakhs) | 124.48 |
| 4.3 Total number of computers on campus for academic purposes | 585 |
| 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 | |
| <p>For effective implementation of curriculum at college levels following steps are taken. Principal of the college initiate the process by conducting meeting at Head level of all the departments. The Principal also conducts the meetings of various central portfolios in charges. The Heads of various departments then conducts the meeting at department level and plans various strategies for implementation of curriculum. The stepwise strategies for effective implementation of curriculum are as follows: 1. Being affiliated to RTM Nagpur University, we follow the academic calendar proposed by the University every year. Based on this academic calendar the college level academic calendar is prepared, stating the commencement date, last working date, schedule for various academic activities, dates for conduction of internal assessment tests and schedule for various co-curricular</p> | |

and extracurricular activities. The Heads of various departments prepare departmental academic calendar based on the college academic calendar, which is circulated to staff and students.

2. Subjects are allotted to teachers as per the choice given, if possible.
3. The Time Table is prepared for the semester.
4. Subject wise Teaching plans are prepared and approved by the HoD and Principal
5. Faculty seminars are arranged on the topic related to the allotted subject. Senior teachers guide and motivate the junior teachers for effective delivery of curriculum by sharing their experiences.
6. Teaching material like subject notes, PPTs, NPTEL videos and other e-learning material is kept ready by the respective teachers.
7. Industrial visits are organized for practical exposure to students.
8. Conference, workshops, seminars and Technical fests are organized. Study groups are formed for peer-to-peer learning.
9. Every department has its own departmental library comprising of relevant literature.
10. Laboratory manuals are prepared/updated as per the prescribed syllabus and subject requirements.
11. Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum.
12. Dean Academics after reviewing the Academic report communicates the discrepancies if found to Head of the department. HOD takes necessary action for the improvement.
13. Academic Audit is conducted at department and Institute level to verify the content of course file, Evaluation Process and Laboratory Conduction.
14. Academic report prepared by HoDs is submitted to Dean, Academics every fifteen days which is then communicated to Principal.
15. Extra classes are conducted for the subjects lagging behind in the syllabus coverage.
16. Monthly attendance of students is displayed so as to keep the check on regularity of students.
17. The Subject files , lab files and course files are updated throughout the semester by the respective teachers.
18. The subject files containing question bank, model solution set, University question papers, assignment and tutorial sheets and the lecture notes are kept in the department for reference.
19. Standard practical journal, laboratory manuals, viva voce question bank is available in the respective departments.
20. After evaluation of internal assessment exam academically weak students are identified. Special remedial classes are conducted in the extra hours so as to improve their performance. As well as advanced learners are also identified and motivated to improve their performance.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link for Additional information | Nil |

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

The evaluation system adopted by the Institute has various components: 1. Assignments 2. Class Assessment Test-I and II (CAT-I and II) 3. Sessional examination 4. Attendance and class room performance 5. Lab performance 6. Viva voce 7. Industry visit and site visit 8. Project 9. Mini Project 10. Seminar Examinations

Pattern for Continuous evaluation Class Assessment Test-I (CAT-I) which is based on Unit 1 and Unit 2 of syllabus. Class Assessment Test-II (CAT II) which is based on Unit 3 and Unit 4 of syllabus . Two Assignments are given in each semester. Assignment-1 is based on first 2 units and Assignment-2 covers unit 3 and unit 4 of syllabus. Unit wise question banks are provided for all subjects. Sessional Examination is conducted once at end of the session based on University exam pattern which covers complete syllabus. Conduction of Examination Class Assessment Test (CAT) : Class Assessment Test-I (CAT-I) and Class Assessment Test-II (CAT-II) are conducted at central level. Question papers are moderated by the moderation committee in respective departments. Seating plan is prepared by mixing students of all Semesters. Sessional Examination: This exam is conducted once at end of the session based on University exam pattern. Question paper format is similar to the university examination. The sessional examination is conducted centrally for all the departments. The subject teacher handover the required number of copies of question papers to the Exam Incharge one day before the scheduled time of the paper. Seating plan is well prepared and displayed on the notice board. Practical Examination: Internal Practical Examination is conducted at end of the session based on University exam pattern at department level. Evaluation: Model Answers and marking scheme is prepared by every subject teacher before valuation. Valuation of Class Assessment Test is done by the respective subject teachers within seven days from the exam. Valuation of Sessional Examination is done by the respective subject teacher within seven days through centralized valuation system. Department displays the marks obtained by the students in CAT-1, CAT-2 and Sessional examination on notice board and the same is also communicated to parents through Parent's - Teacher meeting. Practical Examination:

Evaluation of Practical Examination is done based on different parameters like Teachers Assessment, Practical Records , Viva-Voce and performance. Assignments are evaluated by the respective subject teachers within two days after submission date. Proper remarks are mentioned on assignment copies. Results Declaration: Results of Class Assessment Test and Sessional Examination are declared within seven days from end of exam. Compiled marks are displayed and communicated to students and parents. Teacher Assessment: Subject teacher conduct various academic activities like surprise test, objective type test, Technical quiz, etc for assessing the students. Internal Assessment Marks: Internal Assessment Marks which comprises teacher assessment, CAT-1, CAT-2, Assignments and sessional examination marks are conveyed to students.

Centralized Academic calendar is prepared by Principal, IQAC Coordinator and Dean Academics well ahead of the commencement of academic session. The centralized academic calendar is then forwarded to various departmental heads so as to prepare the Departmental Academic Calendar. In the beginning of the academic session the students are apprised of academic calendar and same is uploaded on college website and displayed on notice boards and at strategic locations. Head of the departments after taking prior permission from Principal can incorporate minor changes in academic calendar which he/she may deem fit considering the unforeseen circumstances. The Schedule of All Examinations is given in academic calendar. The Subject teachers announce the syllabus and display question bank for CAT-I , CAT-II, Assignment-I and Assignment-II as per the academic calendar. Assignments are submitted by students as per the dates given in academic Calendar. The slots of the CAT- I, CAT-II, Assignment-I, Assignment-II and sessional exam are mentioned in the academic calendar. Examination schedule of these exams is announced and displayed in advance by Head of the department in consultation with Dean Academics. Display of marks is also as per the schedule given in academic calendar. The academic Calendar mentions the college level Activities like Students convention, annual social gathering, Sports meet, Ganesh Festival and other technical activities. The Departmental heads can include various departmental activities in their academic calendar without overlapping the college level 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 | View File |
| Minutes of relevant Academic Council/ BOS meetings | View File |
| Institutional data in prescribed format (Data Template) | View File |

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

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data

requirement for year: (As per Data Template)

00

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

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

00

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

0

| File Description | Documents |
|---|------------------|
| Any additional information | No File Uploaded |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | No File Uploaded |

1.3 - Curriculum Enrichment

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

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and

Sustainability, Human Values and Professional Ethics into the Curriculum

The valuable programs offered in the institution have assimilated the cross cutting issues relevant to , Human Values and Professional Ethics in the curriculum. The curriculum designed by the RTMNU itself includes many of these aspects, such as the courses namely, Universal Human Values, Consumer Affairs and Effective Technical Communication in the Third Semester and Indian

Culture and Constitution in Second Semester for all students of Undergraduate Programs.

Gender Sensitivity: Worthy efforts have been taken by the Institution to integrate traverse issues relevant to Gender sensitivity. To motivate the girl students institute has conducted the advanced skill development program to build up their confidence as an engineer. Besides this, at the institutional level, Gender Sensitivity and Gender Sensitization is accomplished through various programs by the women's cell. Celebration of International Women's Day, and Programs on "Hygiene and General Health" are organized.

Environmental Sustainability

The Multi dimension of environment and sustainability, finds precious space when it comes to applying it into the curriculum. To educate the students regarding the environment, courses like Environmental Studies is offered as an audit course for III & IV Semester learners of the Undergraduate Programs. This Course is designed in such a way that it focuses on sustainable development, Renewable Resources, Eco-Systems, Bio - Diversity, Environmental Pollution and Rain Water Harvesting.

| 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

5

| 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

11

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

1.4 - Feedback System

| | |
|--|-----------------------|
| 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni | B. Any 3 of the above |
|--|-----------------------|

| File Description | Documents |
|--|---------------------------|
| URL for stakeholder feedback report | No File Uploaded |
| 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

C. Feedback collected and analyzed

| 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

372

| 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

238

| 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

Slow Learners:The slow learners are identified based on the performance of students in the CAT1, sessional examination and during the practical performance in the lab.If the student gets less than 50% marks in CAT1 or sessional examination , such students are identified as slow learners. The extra classes are arranged after the declaration of result of respective examination in the zero hour to solve their difficulty in the question paper. Then the topics that are most difficult / topics that were not understood by the students during the regular classes are covered by the subject teacher.

Advanced Learners:The advanced learners are identified using the score obtained by the students in the respective examination. Generally the students scoring marks above 80% are advanced learners or the students having some skillset. These students are separately taught by the respective subject teacher and provided with additional question bank to obtain the good rank in the university . If the students are with some additional skill set , they are asked to deliver their skills to their juniors like conduction of workshops etc.

| File Description | Documents |
|-----------------------------------|---------------------------|
| Link for additional Information | Nil |
| 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 |
|--------------------|--------------------|
| 1073 | 70 |

| 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

The institute has well framed structure for enhancing learning of the concepts for students as per the guidelines issued by University in the syllabus. In every semester the subjects having practicals are performed in the laboratories, guided by the faculties to learn the concepts of the subjects. This includes working on machines, programming, and electronics board experiments and so on. This provides the experiential learning to the students through observation and involvement. In addition to this at VII and VIII semester level project based subjects are included in the syllabus. In the mini-project and mega-project, students work in a team to define, analyze and solve the technical problem having some novelty related to their branch and develop useful model or system. This project based activity inculcates participative learning in the students as every student works as part of team and are assessed through seminars and demonstration of the project work. Institute has well defined and well executed assignment policy for each subject and in each semester. Faculties give the two assignments in each semester for each subject based on the syllabus covered. The assignments are mostly problem oriented which required subject knowledge and skills to solve the same.

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |
| Link for additional information | Nil |

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

Institute has a focused approach which is student centric and student directed, towards ICT based teaching-learning process. Dean Academics issues guidelines and framework through meetings with Heads for the implementation of ICT based teaching activities at the dept level. Most of the Classrooms in the various departments are equipped with Desktop PC, mounted LCD projector,

Camera and Mike with high speed Internet connection. This set up is used by the faculties to teach the subject contents through PPT presentations, video lectures of NPTEL, Youtube videos. This set up is also used for hybrid mode of teaching which includes offline as well as online teaching. For student's seminars and project presentation also same infrastructure is used to boost the confidence of the students. Many faculties have prepared some video lectures for their subjects on specific advanced topics and are uploaded on Youtube and shared with students. For every subject in each semester the faculties create and maintain the Google classroom to share the teaching material like notes, question bank, assignments. Online MCQ based quiz and exams are also conducted by faculties for greater understanding of the concepts. Faculties make use of digital platforms like Google meet, Zoom, Webex etc for online teaching.

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | Nil |

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

70

| 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

70

| 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

10

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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

506

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

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 words.

Due to Covid-19 pandemic situation , for the AY 2020-21 , the online evaluation system is adapted . The online internal assessment system consist of the components: 1. Class Assessment Test-I 2. Online Sessional examination 3. Attendance and online class room performance 4. Online lab performance 5. Online Conduction of Internal Practical Examination using Google form 6. Online Viva voce 7. Online Project Seminar 9. Online Demo of mini and mega Project .

Online Examination Pattern for Class Assessment Test-I (CAT-I) and sessional exammination : CAT-1 is based on Unit 1 and Unit 2 of syllabus and the students receive the question paper either on google classroom or on their respective whatsapp group. After solving the paper on pages within the stipulated time, the scanned answer sheet is sent to the respective teachers for evaluation purpose. Unit wise question banks and viva voce questions are provided for all subjects.

Online Sessional Examination is conducted once at end of the session using Google form consisting of 40 MCQ / Fill in the blanks/ short answaer based which covers complete syllabus. The exams are conducted at department level.

Evaluation: Model Answers and marking scheme is prepared before evaluation of Class Assessment Test I which is done by the respective subject teachers within seven days from the exam.

Department displays the marks obtained by the students in CAT-1 and sessional examination their respective whatsapp group/google classroom within seven days from the last date of examination. Compiled marks are displayed and communicated to students.

Practical Examination: Online Internal Practical Examination is conducted at end of the session using Google form consisting 10 MCQ/Fill in the blank/Short Answer Based followed by online viva voce using ZOOM Meet or Google Meet app.

Evaluation of Practical Examination is done based on different parameters like Teachers Assessment, Practical Records , Viva-Voce and performance and marks obtained in MCQ based google form.

The mini and mega projects are continuolsy assessed by the respective guides allotted to the student groups consisting of 4/5 students . The seminars on project progress are conducted on

regular basis to observe the project status. The internal evaluation of project is done using google meet where the students deliver the final seminar and submit the seminar report/project report.

Teacher Assessment: Subject teacher conduct various academic activities like surprise test, objective type test, Technical quiz, etc for assessing the students.

Internal Assessment Marks: Internal Assessment Marks is computed using marks obtained in CAT-I and sessional exams and are conveyed to students.

| File Description | Documents |
|---------------------------------|---------------------------|
| Any additional information | View File |
| Link for additional information | Nil |

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

Class Assessment Test1 (CAT1): After CAT1 examination of each individual subject, the teacher immediately display the marking scheme as per the questions and model solution. The result of CAT1 is displayed after seven days after the examination . If any student feels that he got less marks then CAT paper is again reassessed in front of him to clear his doubt.

Sessional Examination: Due to Covid-19 Pandemic situation , the sessional examination is conducted online using Google form consisting of MCQs . The anser key is immediatelly relased after the end of examination by the subject teacher to cross verify the answer. In case of doubt about the marks or answer key, the student discusses with subject teacher.

Internal Practical Examination: Internal Practical examination consist of conduction of online MCQ based exam using google form and providing the answer key immediately after the submission of examination. In case of doubt regarding marks or answer key , the students discuss with respective subject teacher.

Online viva-voce is conducted in group of 5 students and viva marks are alloted as per the answers given by students.

Project Seminar/Project Evaluation: The regular seminars are

conducted for checking the continuous progress of the project in front of all faculty members of the department where the students deliver the presentations of their respective projects.

In a semester internal evaluation of the project is conducted in front of the panel consisting of group of faculties. The evaluation is designed for the presentations having criteria-quality of problem formulation, literature analysis, presentation, team work, etc.

If the student is absent for any genuine reason for the CAT1 , sessional examination , internal practical examination or project seminar etc then after verifying the reason by TG or Class Incharge, the student is permitted to appear for the re-examination.

| File Description | Documents |
|---------------------------------|---------------------------|
| Any additional information | View File |
| Link for additional information | Nil |

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.

PROGRAMME OUTCOMES, PROGRAMME SPECIFIC OUTCOMES, COURSE OUTCOMES

Mechanism of Communication:

The College adopts Outcome based education rather than previous .The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students.

- Graduate attributes are described to the first year students at the commencement of the programme.
- At least five hours are spent by the teachers for introducing the subject to the Students
- Learning Outcomes of the Programs and Courses are observed and measured periodically.
- Soft Copy of Curriculum and Learning Outcomes of Programmes and Courses are uploaded on the Institution website for

reference

- The importance of the learning outcomes has been communicated to the teachers in every IQAC Meeting and Staff Meeting.
- The students are also communicated about the Programme outcomes, Programme Specific Outcomes and Course outcomes through Tutorial Meetings
- Demonstrate thorough conceptual understanding in the core areas of all the subjects with the support of mathematics.
- Identify the most relevant concepts that arise in everyday life, and devise a strategy in order to arrive at the solutions in the respective subjects and are made to understand the connection between key concepts and applications.
- Use software tools and coding at a level necessary to perform mathematical operations, statistical analysis and simulations in solving complex problems
- Use basic laboratory equipment correctly and effectively in order to conduct measurements, and analyze and interpret the results, including a quantitative understanding of uncertainties
- Locate existing scientific research relevant to a given topic, and evaluate its accuracy.
- Communicate the results of scientific work effectively, making use of clear and well organized writing and presentation skills, and employ equations and visualization tools as needed

| File Description | Documents |
|--|---|
| Upload any additional information | View File |
| Paste link for Additional information | https://www.pbcoe.edu.in/naac_POs_PSOs_PEOs_CO |
| 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.

Our Institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. We offer Under Graduate, Post Graduate courses under the Faculty of Engineering & Technology. For these courses, the institute followed the curriculum designed by our affiliated

university. The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board. After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly.

Subsequently, the College took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:-

- The institute followed the Academic Calendar of our affiliated university.
- All the subject teachers maintained course file and subject file in every academic year.
- All the subject teachers prepared Semester-Wise evaluation Reports.
- Internal examination committee analyzed evaluation reports of results.
- Institute considered Feedback from the Stakeholders for the attainment of PO, PSO and CO.
- Placement committee took the review of the Students' Progression to Higher Studies and their Placement

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | https://www.pbcoe.edu.in/naac_POs_PSOs_PEOs_CO |

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

296

| 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 | Nil |

2.7 - Student Satisfaction Survey

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

https://pbcoe.edu.in/naac_igac_SSS

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)

00

| 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) | No File Uploaded |

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

00

| File Description | Documents |
|---|------------------|
| List of research projects and funding details (Data Template) | No File Uploaded |
| 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

6

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| 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

19

| 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

16

| 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 Institute consist of various cells like ICC cell, NSS cel and under this cell various activities extension and outreach programmes conducted In collaboration with industry, community and Non- Government Organisations .

Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue so on . during the year

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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**

00

| File Description | Documents |
|---|------------------|
| Any additional information | No File Uploaded |
| Number of awards for extension activities in last 5 year(Data Template) | No File Uploaded |
| e-copy of the award letters | No File Uploaded |

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

8

| 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

712

| 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

13

| 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

3

| 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.

The institution has adequate availability and optimal utilization of physical infrastructure. To establish a path for the innovation, team spirit and competence in the students, expose them to face the global challenges. Before starting of the academic year, up-gradation and addition of the existing infrastructure is carried out based on the suggestions received from Heads of Departments, lab assistants and system administrator

for course requirements, computer-student ratio, existing equipments and budget. The Academic calendar and Time Table got planned keeping in view the requirements of classrooms, laboratories, furniture and other equipment.

The infrastructure is utilised in conducting curricular and co-curricular activities, guest lectures, workshops, seminars, conferences, awareness programs, parent teacher meetings, campus recruitment raining classes, meetings, etc.

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

The infrastructure is utilised as an examination centre in conducting Government examinations, University Examinations and other examinations like GATE, CET etc.

Academic Facilities

Table 4.1.1: Academic facilities

Particulars

Description

Class rooms

Good and well designed classrooms with green boards and desk benches

Tutorial Rooms

Well equipped with green board, Benches

Laboratories

Well equipped with multiple sets of apparatus.

Workshop

Well equipped in all respect to conduct workshop activities

Seminar Hall

Seating capacity 150 students with LCD projection and white board

Computer Centre

Equipped with latest Configuration Desktops and softwares

Drawing Hall

Equipped with drawing tables

Library & Reading Room

Equipped with digital library

Research Laboratories

Equipped with latest Equipments, Desktops and softwares

Additional Workshop

Well equipped in all respect to conduct workshop activities

Administrative facilities

Well equipped Administrative offices

Other Amenities in the campus

The has Amenities include student services and activities, sports and facilities etc

Computing Facilities

Sr. No.

Particulars

Available

1

Desktop Computers

583

2

Softwares

23

3

Printers

18

4

CD Writers

10

5

Laptops

04

6

Projectors

12

7

Scanners

10

8

CCTV cameras

52

9

Xerox Machines

03

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

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

4.1.2 The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (Gymnasium, yoga Centre, auditorium, etc.)

As an integral part of the curriculum, various sports facility is provided to the students within the campus. The college has created a balanced atmosphere of academic, cultural and sports activities for overall personality development of students. Various sports competitions were organised in developing team spirit among the students in a healthy manner. The participant and winner students are honoured with medals, trophies and certificates. All these activities encourages the students to participate in inter and intra college sports and games. All necessary equipments are provided to student time to time. All sports and games activities were inspired by a simple principle: training and playing together is a quick path to friendship and understanding. The Sports Incharge is looking towards the various facilities in sports and games for indoor and outdoor also. The institute has indoor game facilities as Chess, Carom, Table Tennis, Volley ball court, Basketball court and. It helps the students to develop their physical strength and fitness.. Many students also participated in the competitions organized by other colleges and won many prizes with outstanding position. The International Yoga Day is celebrated every year in the campus where many faculty and students have participated. The college infrastructure is provided with an auditorium where various curricular and co-curricular activities on the occasion of Founders Day and Annual Social Gathering were organised.

| 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.

11

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

11

| 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)**

31.92

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

4.2 - Library as a Learning Resource

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

Library is automated using Integrated Library Management System (ILMS)

1. Name of ILMS software KOHA
2. Nature of automation (fully or partially) partially

Version 18.11.03.000

3.Year of Automation 2011

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for Additional Information | Nil |

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

B. Any 3 of the above

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| 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)

5.49

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| Audited statements of accounts | No File Uploaded |
| 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

8

| 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

The Institution has a sprawling campus spread over 5.2 acres with modern building technology enabled class rooms, well stocked library, Seminar halls, drawing halls, well equipped laboratories, Work shop, staff rooms, and Administrative block etc. The Institution has sufficient number of well furnished, well ventilated spacious 31 class rooms, LCD projector facility, Tutorial halls for conducting the theory classes are available. The Institution has several Air conditioned computer laboratories and a seminar hall. The institution has a Language Lab equipped with audio video facility which helps students to develop their communication skills. The institution policy is to provide the entire infrastructure required for the students in terms of library resources, software and, 65 mbps, Wi-Fi facility. Total 585 computers are available in the institution and it is connected to internet through LAN. Internet and internet facilities are free available for students and staff. 52 CCTV cameras are installed in the campus. The Log book is maintained in the every laboratory to keep track of utilisation of the lab resources. The institute is providing the facilities for Indoor and Outdoor games to the students to build up a healthy body. Our college is conducting the sports like, Cricket, Basket ball, Foot ball, Volley ball, Badminton, Kabaddi etc every academic year. Healthy competition prevailed among the students to participate in the event. Students from various departments are gathered to enjoy the sports. The college has different maintenance cells. The maintenance cell is headed by senior faculty member who monitors the concerned work along with the team. The maintenance Incharges conducts periodic meetings and checks to ensure efficiency and working conditions of all the equipments and machineries in the institute. Civil maintenance Incharge and his team look after the regular maintenance such as plastering, repair work, carpentry etc. The Electrical maintenance incharge and his team is responsible for power supply, LCD, AC, water cooler, generator, energy saving etc. E-resource maintenance Incharge is responsible for maintenance of

CCTV and security, Internet, ERP software, computers, printers, software installation and computer peripherals. Lift and Aquaguard as well as heavy Machineries of Mechanical department and Computer maintenance is under Annual maintenance Contract agreement, hence all the maintenance and services are carried out by the concerned company. Technicians and Engineers from AMC are available in the campus as and when required. Major damages, breakdown in Machineries, equipment reported by head of deptt. is being forwarded to central office for repairing or replacement. Minor work like, electric fitting, replacement of fan, tubelight pipe fitting, etc. is being done at institute level by the approval from Principal office. A Housekeeping agency is hired for cleaning, sweeping, and gardening work. The housekeeping staff is appointed for cleaning, dusting, vacuuming, mopping all classrooms, Laboratories, workshop, conference hall, office chambers of Principal and H.O.D cabins and office every day. In addition to that, cleaning of the water cooler is done at every week and water tank with in 15 days.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.pbcoe.edu.in/naac_Policy_for_Infrastructure.php |

4.3.2 - Number of Computers

585

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |
| Student – computer ratio | No File Uploaded |

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

| File Description | Documents |
|--|---------------------------|
| Upload any additional Information | No File Uploaded |
| Details of available bandwidth of internet connection in the Institution | 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)****124.48**

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Audited statements of accounts. | No File Uploaded |
| 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.

The Institution has a sprawling campus spread over 5.2 acres with modern building technology enabled class rooms, well stocked library, Seminar halls, drawing halls, well equipped laboratories, Work shop, staff rooms, and Administrative block etc. The Institution has sufficient number of well furnished, well ventilated spacious 31 class rooms, LCD projector facility, Tutorial halls for conducting the theory classes are available. The Institution has several Air conditioned computer laboratories and a seminar hall. The institution has a Language Lab equipped with audio video facility which helps students to develop their communication skills. The institution policy is to provide the entire infrastructure required for the students in terms of library resources, software and, 65 mbps, Wi-Fi facility. Total 585 computers are available in the institution and it is connected to internet through LAN. Internet and internet facilities are free available for students and staff. 52 CCTV cameras are installed in the campus. The Log book is maintained in the every laboratory to keep track of utilisation of the lab resources. The institute is providing the facilities for Indoor and Outdoor games to the students to build up a healthy body. Our college is conducting the sports like, Cricket, Basket ball, Foot ball, Volley ball, Badminton, Kabaddi etc every academic year. Healthy competition prevailed among the students to participate in the event. Students from various departments are gathered to enjoy the sports. The

college has different maintenance cells. The maintenance cell is headed by senior faculty member who monitors the concerned work along with the team. The maintenance Incharges conducts periodic meetings and checks to ensure efficiency and working conditions of all the equipments and machineries in the institute. Civil maintenance Incharge and his team look after the regular maintenance such as plastering, repair work, carpentry etc. The Electrical maintenance incharge and his team is responsible for power supply, LCD, AC, water cooler, generator, energy saving etc. E-resource maintenance Incharge is responsible for maintenance of CCTV and security, Internet, ERP software, computers, printers, software installation and computer peripherals. Lift and Aquaguard as well as heavy Machineries of Mechanical department and Computer maintenance is under Annual maintenance Contract agreement, hence all the maintenance and services are carried out by the concerned company. Technicians and Engineers from AMC are available in the campus as and when required. Major damages, breakdown in Machineries, equipment reported by head of deptt. is being forwarded to central office for repairing or replacement. Minor work like, electric fitting, replacement of fan, tubelight pipe fitting, etc. is being done at institute level by the approval from Principal office. A Housekeeping agency is hired for cleaning, sweeping, and gardening work. The housekeeping staff is appointed for cleaning, dusting, vacuuming, mopping all classrooms, Laboratories, workshop, conference hall, office chambers of Principal and H.O.D cabins and office every day. In addition to that, cleaning of the water cooler is done at every week and water tank with in 15 days. The record of water coolers cleaning and water tank is kept in office.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | https://www.pbcoe.edu.in/naac_Policy_for_I_nfrastructure.php |

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

919

| 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

238

| 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://www.pbcoe.edu.in/ |
| Any additional information | No File Uploaded |
| 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

251

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

251

| 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

B. Any 3 of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

71

| 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

4

| 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

1

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

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

1

| 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)

The purpose of the student council is to give students an opportunity to develop leadership by organizing and carrying out college activities and service projects. In addition to planning events that contribute to college spirit and community welfare, the student council is the voice of the student body. The student council helps share students ideas, interests, and concerns with teachers and Principal. Student Council representatives are selected from the Departmental student forum bodies every year. In view of giving administrative experience to the student in this council the office bearer committee is formed with the selection

accordingly President, Vice President, Secretary, Treasurer and volunteer committee is established every year. It is entirely managed by the students under the staff's guidance. The institutional committees have student representative that ensures participation of students in all activities. Participation in Academic Activities Internal Quality Assurance Cell (IQAC): Student representatives are nominated for this cell who participate in the decisions regarding the quality initiatives and action to improve the academic and administrative performance of the Institute. Participation in Administrative Activities Internal Complaint committee: A male and female student as a representative of students community are the members of Internal Complaint committee to address issues on women welfare. AntiRagging Committee: This committee is formed to prevent any form of ragging in or outside the campus. The student members of the anti ragging committee help the newcomers to increase their confidence through counseling. Sports Committee: The student members of the Sports Committee organize indoor and outdoor sports and ensure maximum participation. National Service Scheme: The students organize various social community service activities programs under NSS. Alumni Committee: The student members of the Alumni Committee organize Alumni meet every year and helps to interact regular students with the institute alumina by means of interaction, guest lectures, etc. Training and placement Committee: Students member of training and placement committee organizes various programs and coordinate the placement activities. Students Cell :Student cell committee members organizes various competitions like debate, essay, drawing and painting competitions, various technical , cocurricular and extracurricular activities. Industry institute interaction and Enterprenuirship development cell: Student members of III and ED cell organizes various activities related to inustry interactions. Innovation Club: Student members of innovation club organizes various activities like poster and paper presentation, idea innovation and model competition. In addition to the student council the college is also having students Chapters of Professional body like The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), This professional body organizes Conferences, Seminars, Workshops and Exhibitions to discuss, promote and display the state of the art technologies, systems, products and services. In our institute various student forum are installed at departmental level. The student forum body has been constituted which includes President, Vice president, Secretary, Joint Secretary treasurer. Under the supervision of the forum body various technical activity like Paper presentation, Project competition, Breadboard competition has been also conducted.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

6

| File Description | Documents |
|---|---------------------------|
| Report of the event | No File Uploaded |
| Upload any additional information | View File |
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template) | View File |

5.4 - Alumni Engagement

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

The Alumni Association "Bhandan" with registration number F-35620(N) contributes significantly to the development of the institute through various activities. Alumni meet is a gathering of passed out students of an institution and it is a place where the institution feels proud on seeing its successful alumni. During their meet, the alumni community shares their experience in the outside world, which they faced after stepping out of the institution. The meet also creates a platform to identify the colleges most distinguished alumni. The main objective is to maintain and enhance relationship with alumni and among alumni. Through Alumni Association "Bhandan", we keep track of our alumni and inform them about the current updates and future activities of the association and also inform them about recent achievements of the institute. To discuss the future plans of the association, every

year association meeting is schedule. Along with the association meeting, every year annual alumni meet is organized at the institute level. Alumni interact with the respective HODs and give them information regarding current trends and practices in the industries in which they work, so that suitable improvements in the infrastructure facilities can be made in the institution. During annual alumni meetings, alumni provide valuable feedback on current needs in educational reforms. Alumni gives best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to academicians for molding the aspiring students. Alumni helps in providing in-plant training, placements, mentoring of students, conducting mock GD personal interviews, discuss business and entrepreneurship opportunities. Alumni also provide assistance to organize seminars on the recent trends in industries and guide the students about the career opportunities in different fields. Alumni support in strengthening linkages of the institute with the industries. During interaction, they share their personal experiences with existing students. Alumni who are entrepreneurs have been providing inputs on how to start a new venture and turning them in to job providers. This has resulted in to two out of four students who have in progress of their revenue streams. Some of the alumni are actively participating in social service combining with creative activities for rural area kids. These activities are quite motivational and create enthusiasm among children resulting in awareness related to importance of education among poor children. All these activities are carried out during weekends. Whenever these alumni visit the campus they motivate students to follow their path for the betterment of the society. Alumni share their corporate experiences, guide current batch of management students and assures the students to be in continuous communication with them. Alumni association provides continuous support to students for summer internship, winter internship and placement assistance. Some of our Alumni have established start-ups in different sectors, many of them are first generation entrepreneurs. Many alumni have also decided to become entrepreneurs during their academic span at PBCOE. Through the journey as an entrepreneur they learnt various skills knowledge. They enlighten the students with their success stories and challenges faced. Our Alumni in association with PBCOE are engaged in social activities..

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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 | No File Uploaded |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Our governance body is very reflective and the prime focus is on the vision and mission of the institute

Vision : We commit ourselves to create state of art infrastructure, highly competent, learned and motivated faculty, best of the books, journals, computing and internet facilities for the students, who in turn will be useful for industries in particular and society in general.

Mission : To generate effective synchronization amongst academicians, professionals, technocrats and students so as to achieve excellence in professional education with a sense of commitments to meet the national aspirations.

The following strategic characteristics and aspirations enable the College to realize its vision:

- Modern infrastructure and experienced faculty for development of engineers
- An atmosphere that facilitates personal commitment to the educational success of students in an environment that values multiplicity and society
- Education and research collaborations with industries.
- Highly successful alumni who contribute to the profession in the global society

- Undergraduate and Post graduate programs that integrate global awareness, communication skills and team building across the curriculum
- Practical and responsible resource management;
- Training that prepares students for interdisciplinary engineering research and advanced problem solving
- Leadership and service to meet society needs.

Governing body designs and executes Short-term, Long-term plans, integrating departmental plans, findings of SWOT analysis and other recommendations from the stake holders. Every year this process is conducted in the institution. Suggestions from stake holders are taken and policies and planning are carried out accordingly. Management formulates quality policy and integrates the same in the strategic plan. Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education. Creating robust principles, frameworks, systems and processes, the institution intends to inculcate the culture of excellence. All the systems work together as a team aiming to contribute in building the institution. The Departments has healthy competitive atmosphere among themselves and each one strives to accomplish excellence in their standards.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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 College functions in a well-structured and defined manner to ensure participative management at all levels of decision making. All Departments function under the control of the Principal. Powers relating to running the colleges, have been delegated the Principal concerned with Dean academics as well as various Head of Department. .The college authorities are very open minded and are always ready for discussion and suggestions. They are always ready to implement the suggestions if they are fruitful and effective. The college authorities always involve the students and teachers while organizing various activities at department or college

level. The management gives appreciation for fruitful and innovative suggestions. As a part of decentralization and participative management the institute has the first best practise of creation of various cells at Institute level. At the beginning of the academic year the body of the each cell is formed by Principal and Dean, Academics. From every department the faculty, students and nonteaching participation is ensured as per the requirement of the Cell. Under this practise the cells namely Alumni Cell, Internal Complaint Committee, AntiRagging Cell, Internal Quality Assurance Cell, Entrepreneurship Development Cell, Library Advisory Committee, Faculty Development Cell, NSS Cell, Grievance Redressal Cell, Research Advisory Board, Industry Institute Interaction Cell, Training and Placement Cell, IPR Cell, Sports Cell and Students Cell are formed. The Constitution of all these Committees consists of members from all the departments which clearly indicates the de-centralised and participative work culture. Every cell coordinator and members have been given the freedom and flexibility to carry out the different cell activities like conduction of programs, meetings, seminars, workshops etc throughout the year. At the beginning of the academic year every cell coordinator conducts the meeting of the cell members and plan the activities for the year and submit the action plan to the Principal of the institute. This ensures the decentralization of various activities at cell level and college level and also provides the faculty to take part in management of the events and programs at individual level. Second best practise institute is implementing from many years is students forum at department level. Every department is having working student forum. At the begining of the academic year the Student Forum Body is installed and members have been nominated and elected as forum body members. Every activity and program is initiated and managed by the students only so that they can learn the management skill. Many technical, curricular and extracurricular activities have been conducted under the forum throughout year like paper presentation, Quiz competition, Aptitude test, Project competition, Rangoli competition, Poster presentation etc. Technical workshops and seminars for students are also conducted under the forum by every department. Students of all the department also conducts many social extension activities under forum like environment awareness, clean mission, charity activities etc.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute and strictly followed. Admission to various programmes, summer and winter examination schedule and declaration of results are notified in the Academic Calendar.

All newly admitted students were asked to attend the Orientation Programme, in which they are made aware of the of the Education system, the teaching learning process, continuous evaluation process which will be implemented and various cocurricular activities, discipline and culture of the Institute. All students are also given a virtual tour of the campus and the various facilities.

During the orientation program as well as bridge course students are apprised of the Time-Table, Programme structure, syllabi of the courses before the semester commences. Important announcements are made in Google Class room as well as students whatsapp group. Conduction of classes are monitored by the Deans of faculties, HODs and Class incharges of various classes. During offline classes the Discipline Committee members make random visits to ensure smooth functioning of classes.

Feedback from students is also taken individually by teachers for their respective courses.

Feedback is properly analyzed and shared with the Director, Deans, HODs and individual faculty members.

The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

The major initiatives are

- Automation of Admission Processes - Provision for online fee payment
- Automation of Examination Processes
- Curriculum Development Workshops in many subjects
- Green initiatives in Campus - tree plantation, Biogas plant, e-vehicles etc.
- MoUs with prestigious Institutes, Universities, Govt. agencies
- Application for NIRF

| File Description | Documents |
|--|---------------------------|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | Nil |
| 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 a well designed Management Information System namely <http://erp.ltjss.net>. It is a comprehensive module based system which enables the functioning, governance and management of diverse education related activities of the college. The various modules allow effective integration of issues related with academics, non academics and finance their analysis as well as report generation. It implements role based access and policies for performing various activities conforming to the hierarchical organizational structure of the college. All the major academic and nonacademic activities are implemented through this MIS. The modular design of ERP enables the various academic as well non academic activities to be handled as independent modules. This MIS includes following administrative procedures

1. Academic Module: Academics module implements all those things that are central to learning, education, and teaching, like planning academic calendar, handling courses scheme and their configuration, syllabus design, continuous evaluation methods, result analysis so on. In order to handle the entire report of academics, it is

further divided into various sub modules such as Time table generation, Teaching plan, Teaching Load Creation, Student section assignment, Roll list Generation, Subject Management, Student attendance, Examination, Result analysis, Academics Reports, Students Attendance Generation etc. 2. Students Admission Module: This module is used to create admission form, readmission form, Leaving certificate Generation, Branch Allotment, Section Allotment, Students Profile Creation, Students Admission Status Module and so on. 3. Student Feedback Module: Online registration portal for student admission. This module is create for students section. It is linked with academics module, and feedback analysis is generated at panel of Head of departments as well as head of Institute. 4. Personal Module: This module used to give all information like Personal attendance, Personal pay slip, Leave record, Leave Approval record, Faculty duties ,Personal profile, Seminar, Conference, Training activities so on. 5. Stock Management Module: It provides information about all stock of individual labs, department, Buildings as well as college, Stock Transfer Module, Stock management and all related to stack. 6. Complaint management Module: It is directly linked to student as well as all faculties of institute so that each and every complaint will be solve on time whenever required. 7. Establishment Report Module: Office records are being digitalized for archiving. 8. Finance Management Module: The Finance module offers Expense Management in an integrated manner across the organization and includes the following sub modules like Accounts, Admissions, Salary, and Purchase etc. Thus, using different platform of ERP module, it is easy to access and completely manages the information processing needs of the college.

| File Description | Documents |
|---|---------------------------|
| Paste link for additional information | Nil |
| Link to Organogram of the Institution webpage | Nil |
| 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 | No File Uploaded |
| 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 teaching and non- teaching staff

Facility of Duty leave and on duty leave is provided to the faculties for attending the faculty

development programs and conferences.

Special leave/vacation is provided for pursuing research, Ph. D. and higher education.

Facilities shall be provided for consultancy projects.

Recognition of faculty members for achievements - felicitation of faculty members after receiving

Awards and Ph.D.

Financial Aids

Study leaves facility to teaching staff for pursuing higher studies.

The provision of advance against salary for teaching and non-teaching staff.

Prior festival advance to the teaching and non-teaching staff.

Under the Institutional Social responsibility, college provides the financial aid in the form of fee concession to the needy

students.

Welfare /Medical schemes

Employee provident fund facility is provided to staff.

Group insurance scheme for staff.

Maternity leaves for female staff.

Free Health Check-up camp.

Medical/Health/Accidental Insurance Programme for Employees.

Two early going and two late coming facility allowed in one month for personal work

Recreation facility for the staff.

Centralize Xerox and canteen facility in subsidies rate.

Wi-Fi campus for Teaching, Non Teaching staff and Students.

Conducting specialized computer awareness workshops, training workshop for non- teaching staff.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

00

| File Description | Documents |
|---|------------------|
| Upload any additional information | No File Uploaded |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | No File Uploaded |

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

06

| 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

14

| 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 good performance management system works towards the improvement of the overall organisational performance of teams and individuals for ensuring the achievements of the overall organisational mission and vision.

The Institute is following the appraisal scheme suggested by AICTE viz. Performance Based Appraisal System (PBAS). In this scheme, the performance s are classified into three categories (i) Teaching, Learning and Evaluation related activities (ii) Co-Curricular, Extension and Professional Development related activities (iii) Research Publications and Academic ContributionsThe following weightages are assigned to these categories: 100:75:300. These are called Academic Performance Indices (API). At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the proforma suggested by AICTE. Based on the data collected, API scores are calculated for each of the three categories.

Promotions are based on the PBAS proforma for UGC Career Advancement Scheme (CAS) that is based on the API score.The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities, which are mostly voluntary. The Institute accords appropriate weightage for these contributions in their overall assessment.Further, at the end of each semester, feedback forms are issued to the students for each of the courses attended by them. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to

the teaching process. A team consisting of the Dean Academics, Head of the Department and Senior Professor in the Department, goes through the feedback forms collected from the students and suggest suitable measures to improve the teaching-learning process. As such there is no performance appraisal system followed for non teaching staff in the institute.

But Non-Teaching Staff are also assessed through annual confidential reports . The various parameters for staff members are assessed under different categories i.e. Character and Habits, Departmental Abilities, Capacity to do hard work, Discipline, Reliability, Relations/Co-operation with superiors, subordinates, colleagues, students and public, Power of Drafting (where applicable), efficient organization of documents (in case of Ministerial Staff) and technical abilities (in case of workshop staff).

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

Vouching of all bank and cash transactions, Ledger scrutiny, analysis of fixed assets register, cash book, advance register, checking of bank reconciliation statement, scrutiny of all documents relating to purchase of fixed assets. Checking of TDS payment, EPF payment in due dates. TDS Profession tax return filing in due dates. Digital payment facility. Maintenance of Dead Stok Register, Verification of Cash in Hand, Consultancy Income Payments. Verification of monthly Salary Register including properly deduction of Profession tax, Income Tax and EPF. Recocilation of Students Fee with Ledger. Timley payments of government authorities such as University, DTE, ARA, FRA, AICTE, Income Tax, Profession Tax, EPF, etc.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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)

00

| File Description | Documents |
|---|------------------|
| Annual statements of accounts | No File Uploaded |
| Any additional information | No File Uploaded |
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template) | No File Uploaded |

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

6.4.3 Institutional Strategies for mobilization of funds and the optional utilization of resources

Priyadarshini Bhagwati College of Engineering is a self financed institution, where the funds are generated through the fees paid by the students. Deficit is managed by taking advance from the parent trust. These funds are utilized for the salary, infrastructure, maintenance, and research & development.

The institute has a well defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructural developments.

1. Institutional budget is prepared by Accounts Department every year taking into consideration of recurring and non-recurring expenditures.
2. Accordingly all the administrative and academic heads are requested to submit the budget required for the subsequent

financial year.

3. All the major financial decisions are taken by the Director and Chief Accounts & Finance Officer with Management of college.
4. As and when urgent requirements arise it is given after sanctioned received from Chief Accounts Office.

All the major financial transactions are analyzed and verified under following sections.

1. Research and Development
2. Training and Placement
3. Software and Internet Charges
4. Library Books and Journals
5. Repairs and Maintainance
6. Printing and Stationary
7. Equipment and Consumables
8. Furniture and Fixtures

1. Institute adheres to utilization of budget approved for academic expenses by management.
2. After final approval of budget the purchasing process is initiated by the Purchase Committee, accordingly the quotations called and after the negotiations purchase order are placed.
3. The payment is released after delivery of the respective goods it is as per the terms and conditions mentioned in purchase order.
4. All transactions has transparency through bills and vouchers. The bill payments are passed after testing and verifications of items. Only authorized person operate the transaction through bank.
5. Respective faculty member ensures that whether suitable equipment/machinery with correct specification is purchased.
6. The entire process of the procurement of the material is monitored by the purchase committee and Principal at the Institute level and then the finance department at Central Office Level.
7. Financial Audit is conducted by the Chartered Accountant every financial year to verify the compliance.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

Internal Quality Assurance Cell (IQAC) monitors, reviews, and evaluate academic and administrative processes to ensure the quality. Internal Quality Assurance Cell (IQAC) carries out activities that cover all aspects of the Institute's functioning. The IQAC was constituted on 8th March 2006. Since then, it has been performing the following tasks on a regular basis: 1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students. 2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff. 3. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak. Students and staff give their feedback and suggestions on teaching and administrative performance. The IQAC has immensely contributed in the implementation of quality assurance strategies and processes at all levels. IQAC regularly meets every three months. The Institute IQAC prepares, evaluates and recommends the following for approval by the relevant Institute and Govt. statutory authorities: (a) Annual Quality Assurance Report (AQAR) (b) Self-Study Reports of various accreditation bodies (ISO 9001, UGC 12b, NAAC, NIRF, NBA) (c) Performance Based Appraisal System (PBAS) for Career Advancement Scheme (CAS) (d) Stakeholder's feedback (e) Process Performance & Conformity (f) Action Taken Reports (g) New Programmes as per National Missions and Govt. Policies.

The IQAC led efforts to the successful implementation of modern technology in the Institute's administrative functioning through ICT and alternative sources of energy, especially enhancement of solar power having capacity of kW in the last four years. Automation of admission, financial and examination processes, upgradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

Best Practice 1

1. Title of the Practice: Innovative Teaching Learning Process

2.Goal

i) To maintain good and disciplined academic environment among the students and faculties.

ii) The basic objective of this practice is developing new tools and techniques for effective teaching learning.

iii) To update the knowledge as per the latest requirement of industry

iv) To enhance the academic growth of the college.

v) To achieve the desired learning outcome and to make the teaching student centric

vi) To inculcate the moral and ethical values among students so that they can play a vital role in the development of society and thereby of Nation.

vii) To provide the specific strategy for academically weak students and advance learners.

3.The Context

The idea behind the innovative teaching learning process is to create the student friendly environment in academics. To design and implement this system, the Principal of the college, along with IQAC coordinator and Dean Academics, HoDs and faculties decide the policies at the beginning of the semester. Many activities like academic calendar, time table, teaching plan, subject files, e-learning material need to be prepared. The students admitted in the college are from various backgrounds. To bring them in mainstream education system, we at college level need to frame the academic policies which will suit their inclination and help them to perform better. In addition to this engineering education, the demand of practical orientation and technical knowledge is required. For this we need to design and frame the laboratory work, industrial visits and other activities.

4.The Practice

Principal, IQAC coordinator, Dean Academics and HoDs at the beginning of the semester prepare and circulate the academic calendar to students and faculties so that they can plan the academic activities based on schedule given. HoDs take the meeting at the beginning of the semester to distribute the subjects and take review of laboratory preparations, laboratory manual, and subject files. Faculty seminars are arranged before the beginning of the semester on subject related topic to boost the confidence. Review meetings are conducted at Principal level and department level for syllabus

coverage, lectures taken, assignment questions given, practical conducted etc. Based on this meeting, suggestions are given to faculties for improvement, if required. Remedial classes are conducted for academically weak student and special coaching is given to advanced learners. Performance of students in internal assessment exam likes mid semester and end semester examination is monitored and improvement tests are conducted. The college has academic monitoring committee at central level and department level. The committee monitors the teaching learning process by attending the classes of teachers and suggests the improvement if required. To make the teaching learning process effective and interactive student seminars are organized, various technical activities are organized at department and college level. The faculty uses the various teaching tools to make the teaching interesting. ICT is used by maximum faculty to make teaching learning process more efficient. Faculty and students are motivated to use NPTEL video lectures .Students are encouraged to participate in various technical events at Intercollegiate, University and national Level. Students are also motivated to participate in Smart India Hackathon organized by AICTE for implementation of innovative ideas. Students are encouraged to carry out Industry based projects so as to develop various skills. Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement. If any lagging in coverage of syllabus, the faculty has to cover up the gap by engaging extra lectures. Such teaching strategies are assessed well by the student feedback. Academic report (syllabus coverage, student attendance, number of lectures engaged, assignment questions) prepared by HoDs is submitted to Dean Academics every fifteen days which is then communicated to Principal.

5.Evidence of Success As a result of this best practice we are able to achieve the excellent academic environment at department level and college level. The University examination result of the college is also reflecting the outcome of this practice. Many students have secured rank in University merit list. One of our college team has been selected for Grand Finale at smart India hackathon in Jan 2019 held at Deheradun. Students of our Mechanical engineering department has developed a cart in the college workshop and participated in All India Go kart competition "BFKCT" held at Coimbtore and bagged 4th position at national level.

6.Problems Encountered and Resources Required

Problems Encountered :The attitude of students and parents towards the implementation of effective teaching learning process.

Resources Required :The resources required for this practice like faculties, laboratories, library, infrastructure etc is well

provided and maintained by the management. Best Practice 2

1. Title of the Practice: Employability Enhancement Training

2. Goal

- i) To prepare and orient students for better campus placement.
- ii) To improve the communication skill of the student.
- iii) To inculcate presentation skills in the students.
- iv) To boost the confidence level of the student.
- v) To make them aware and ready with the industry requirements, corporate culture and its working.
- vi) To imbibe teamwork and leadership qualities in the students.
- vii) To groom the overall personality of the students.
- viii) To develop core competencies required for the industry such as communication skills, Technical skill, collaborative working, leadership, creative thinking and problem solving skills, personal management, the ability to work in teams or groups and leadership qualities.
- ix) To develop general awareness of the facts, forming an opinion, articulating and presenting it in a manner that is appealing to the listener.
- x) To enhance their knowledge, skills and attitude, so that they become acceptable to the industry.
- xi) To provide personal and professional counseling to students through out the year.

3. The Context

Most of the engineering students have excellent theoretical knowledge but when it comes to critical thinking, problem solving, communicating and articulating, they lack basic analytical skills required for a job. During the last decade, university and colleges around the world have noticed the growing number of students seeking counseling services. The Counseling and Testing Cell (CTC) aims to provide individual, group counseling to assist students and faculty members in addressing their academic and psychological health concerns. Students may encounter academic, emotional and social concerns at some point. The student may seek counseling for a wide range of issues that may interfere with their daily life activities, some of which may include low academic performance, stress, poor time management, procrastination, anxiety, relationship problem, loneliness, depression, adjustment issues, identity issues and suicidal thoughts. Through proper counseling and guidance the students will recognize their strength and courage which will help them to get aligned in a desired direction.

4. The Practice

Employability Enhancement Training (EET) includes: This training cover topics like: SWOT analysis, Effective Self Introduction, Group Discussions, Team Work, Resume writing, Interview Techniques, FAQs, Mock Interview, Letter and email writing. Soft Skills Training (SST) includes: Soft skills are those basic skills necessary for getting, keeping, and doing well in a job. It aims at overcoming stage fear, developing confidence, communication skills, public speaking skills, setting SMART career Goals, grooming and improving body language. Campus Recruitment Training (CRT) includes: Aptitude test` is the first step of placement

drives. It comprise of core skills in the areas of Math, English language, Logic and Data Interpretation. CRT training is about enhancing aptitude through rigorous practice in Quantitative Techniques (QT), Logical Reasoning (LR) and Verbal Abilities (VA). Campus to Corporate Training (C2C) includes: This training gives an insight into understanding specific industry needs and preparing students to get ready for it. It includes: IQ, SQ and EQ test, Personality test, Industry specific HR and Technical rounds, Interview mannerism and corporate etiquette. Counseling to students and faculty is provided throughout the year to solve the personal and professional issues by counselor appointed by Sanstha.

5.Evidence of Success The best practice described above is helping the students to improve communication skill, confidence building, personality development and overall grooming. As a result of this the campus placement of college has significantly improved. In the academic session 2018-19 around 200 students were placed in various reputed companies and in 2019-2020 more 80 students are placed(pandemic situation).

6.Problems Encountered and Resources Required Problems Encountered : Creating interest and awareness among students regarding importance of Employ ability Enhancement skill in their professional career. Careless and irresponsible attitude of students towards putting efforts for better future. Resources Required :The required ICT facilities and Employ ability Enhancement trainer are available at Sanstha level and college level. Psychological counsellor is appointed at sanstha level to solve the problems of students.

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

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

B. Any 3 of the above

| File Description | Documents |
|--|---------------------------|
| Paste web link of Annual reports of Institution | Nil |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | No File Uploaded |
| 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

7.1.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Gender equality is one of the challenges that our society is facing today. The institute organises gender equity promotion programs regularly. Eminent guest speakers from various fields are invited to guide and to make aware the students about the importance and contribution of gender equity in the society. The gender equity promotion programs organized by the institution are given below. All the participants got awareness about the remedies for keeping mental hygiene. As well they got the information about eating healthy food for women and food tips for current and next generation to live a healthy life. Meditation program was organized to make aware about the focusing and balancing technique which helps to increase balance between internal and external experiences, and all the benefits of meditation begin to unfold. Youngsters, students got awareness about the explosion of addictions. Especially speaker advised not to get addicted for cell phones, drugs etc. In continuation, it was advised that a healthy body always leads to healthy mind, so it is necessary to have a good diet. A big issue of cyber crime was discussed in the awareness program and guided the students how to protect yourself from cyber crime. Annual gender sensitization action plan taken is as follows:

Title of the programme

Period from

Period To

Number of Participants

Male

Female

Webinar on Nourishing Body and Mind: A pathway to Joyful Life

09/06/2020

09/06/2020

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327

Miracles of Meditation

08/02/2021

08/02/2021

90

62

Youngsters and Explosion of Addictions

09/02/2021

09/02/2021

87

60

Healthy Body: A way to Healthy Mind

10/02/2021

10/02/2021

92

60

Awareness about Cyber Crime

11/02/2021

11/02/2021

95

62

Gender sensitivity is important for the institute and its neighbouring community, as is evident by the following facilities -

1. Safety and Security

- Security guards are at all campus entries and exits.
- Rotational duty by all faculty members for discipline and security.
- The Discipline Committee at institute includes male and female students as well as faculty members.
- Strict implementation of Anti-Ragging, Anti-Smoking Campus.
- Awareness campaigns on women safety and gender sensitivity through street plays, rallies by NSS student volunteers.
- Separate hostels for boys and girls students with dedicated wardens.
- The Institute is the preferred as the destination of parents for education of their female wards and it is evidenced by the Stakeholder Feedback.

1. Counseling

- A Counselor is appointed for counseling male and female students and staff for academic and other issues.
- Grievance Redressal Committees for staff and students.

•Gender sensitization include the following aspects: •Women’s rights •Human rights •Gender justice •Gender equality •Gender sensitization workshops •Placement Cells and Alumni Assistance Cell •Others – Entrance Exam Counseling, Orientation Programmes for Teachers and Students. •Medical Counseling, Moral Counseling, Career Counseling,

1. Common Rooms:

•In most of the Departments, common rooms have been allocated for men and women.

1. Other Measures Other measures of Gender Sensitization include -

- Curriculum and Coursework.
- Co-curricular activities.
- System for regular feedback from all its stakeholders.

Other Initiatives: Additional initiatives ensure active participation of students in co-curricular activities including sports at university, state levels.

Community Reach: Initiatives are taken for students to get trained in entrepreneurship and self-employable skills. As part of NSS activities, various programs were organized in building awareness about health, hygiene, importance of gender sensitisation. Efforts were taken to achieve vision and mission of institute. This is also evident from regular feedback from its stakeholders.

| File Description | Documents |
|--|---|
| Annual gender sensitization action plan | https://www.pbcoe.edu.in/assets/AQAR-2020-21/7.1.1.1.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://www.pbcoe.edu.in/assets/AQAR-2020-21/7.1.1.1.pdf |

7.1.2 - The Institution has facilities for alternate sources of energy and energy

D. Any 1 of the above

conservation measures Solar energy
Biogas plant Wheeling to the Grid Sensor-
based energy conservation Use of LED bulbs/
power efficient equipment

| 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 campus is hypersensitive to environmental awareness and always takes necessary steps to keep our environment clean, safe and secure for a healthy life.

1. Solid waste management

The various solid waste generated on the campus at the different locations are collected and segregated as degradable and non-degradable waste. The degradable waste is used in the vermicomposting plant and later on, that compost is used for gardening. The non-degradable waste is handed over to a municipal agency for transport to NMC authorized landfilling process.

1. Liquid waste management

The liquid waste generated from water closets and urinary are properly drained out by the drainage system and the rainwater falls on the terrace are collected through various pipes and allowed for harvesting using three water harvesting plants.

1. E-waste management Response:

For this, every year the working and nonworking electronics instruments are checked, the nonworking instrument is processed for repair, if repair is not possible then it is collected to the centralized process, and later on it is handed over to the vendor for recycling and reuses.

1. Waste recycling process:

The various degradable waste is used in composting plants and that

compost is used for gardening. The broken chairs and furniture are yearly collected and repaired in the college workshop for further use. Various newspapers and academic paper waste (rubbish) are collected on a yearly centralized process.

1. Biomedical waste management
2. Hazardous chemicals and radioactive waste management

Toxic material and chemical are not used in any laboratory in campus. Some non toxic liquid chemical used in chemistry and environmental laboratory are first diluted and neutralize them and then discharge in to liquid waste.

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | No File Uploaded |
| 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

B. Any 3 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

D. Any 1 of the above

5. landscaping with trees and plants

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

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

B. Any 3 of the above

| File Description | Documents |
|---|---------------------------|
| Reports on environment and energy audits submitted by the auditing agency | View File |
| Certification by the auditing agency | View File |
| Certificates of the awards received | View File |
| Any other relevant information | View File |

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

A. Any 4 or all of the above

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

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervour the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi Sardar Vallabhbhai Patel, Pandit Jawaharlal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, Lal Bahadur Shastri. Death anniversary of Lokmanya Tilak on August 2, institution celebrates every year. NSS and NCC Units of our college participate in various programmes related to social issues organized by other colleges.

| 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

PBCOE undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. On 26th Nov 2020, On the

occasion of Constitution day students recited preamble through online mode.

In first semester, under the subject " Indian Culture and Constitution "Students organised the various competitions like debate and elocution on Fundamental Rights and Directive Principles , Indian Constitution and RTI ,which enhance the understanding and create the sense of responsibility among them.

With the help of the audit course "Consumer Affairs" Students discussed the various case studies of Consumer Forum and became aware about consumer rights and they practiced it in their daily life. The webinar on Consumerism and Financial Literacy encouraged neophytes to save money as well as to adopt the right financial planning. All the activities under this head developed a sense of responsibility among employees and students.

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

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

B. Any 3 of the above

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

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

Institute celebrates various commemorative days which are as follows:

1. National Science Day
2. International Yoga Day
3. Womens' Day
- 4.. Rangnathan Jayanti
5. Lokmanya Tilak Jayanti
6. Bhagwati Devi Punyatithi
7. Engineer's Day
8. National Voter's Day
9. Environmental Day
10. Teachers' Day
11. national Youth Day

| File Description | Documents |
|---|---------------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | No File Uploaded |
| Geo tagged photographs of some of the events | View File |
| 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 1

1. Title of the Practice: Innovative Teaching-Learning Proces
2. Objectives of the practice

To maintain goodanddisciplined academic environment among the students and facultiesand to make the teaching more student centricso as to achieve the desired learning outcome.

1. The Context

For better performance of the students we need to frame the academic policies. In addition to engineering education practical orientation as well as technical knowledge is required for this we need to design and frame the laboratory work, industrial visit and other activities.

4. The Practice

Principal, IQAC coordinator, Dean Academics and HoDs at the beginning of the semester prepare and circulate the academic calendar to students and faculties so that they can plan the academic activities based on schedule given.

Remedial classes are conducted for academically weak student and special coaching is given to advanced learners.

Students are encouraged to carry out Industry based projects so as to develop various skills.

5.Evidence of Success

As a result of this best practice we are able to achieve the excellent academic environment at department level and college level.

Best Practice 2

1. Title of the Practice: Employability Enhancement Training

For more detailed view visit the link

https://www.pbcoe.edu.in/naac_Best_Practices

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

7.3 - Institutional Distinctiveness

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

The vision of Institute is " We Commit ourselves to create state of art infrastructure, highly competent, learned and motivated faculty, best of the books, journals, computing and Internet facilities for students, who in turn will be useful for industries in particular and society in general"

To achieve this vision, the thrust of institute is on the overall development of the students who mostly from rural areas and belongs to economically poor background. It has been observed that students admitted to our institute lacks in communication , confidence etc. In rural area the students are relatively less exposed to the skill development programs as compared to urban areas hence institute has been continuously focusing on development of interpersonal skills in all admitted students right from First year. For this various skill development programs are organized at college and department level as explained below.

1. Communication skill:

Institute has recruited special soft skill trainer and for all

first year students, two classes per week are assigned to the trainer apart from regular curriculum activities. This initiative was taken by the institute five years back with the intention to train students to communicate properly. To support this activity institute had setup language lab with 50 computers and interactive software. Students of all year have been using this lab and improving their communication skill, pronunciation, accent etc. This type of training is observed to be very effective and useful. We have also added extempore, mock interviews, group discussion for students under the observation of expert faculty.

1. Personality development program: Since in our institute students from poor background are used to admit and they lack in communication and soft skills, since 2011, the institute started organizing various skill development programs for all students through external experts and experts in our sister concern institutes. These programs focus on oral communication, written communication, personal communication and ethical values. This program is observed to improve the skills of majority students recently that is witnessed from improvement in our placements in good companies.
2. Counselling. To help student and to take their care we have implemented mentor scheme in our institute. Around 10 to 15 students are assigned to one faculty and every fourth week faculty mentor used to meet students and take review of their studies and other related issues. The mentors used to convey the academic progress of students to their parents. In case of any issue the institute has a special counsellor and in that case counsellor guides the students. The overall impact of this activity is very fruitful. It helped students to establish themselves properly and parents are getting updates of their wards on regular basis.
3. Social extension Activities. Various cells are established like students cell, NSS cell, III cell, ED cell, T & P cell, Women cell etc for conduction of various academic and social activities for students. Students from every branch and semester is part of the cells. Cell incharges conducts various activities through students to inculcate the social values in the students. Students have developed leadership quality and learn to work in a team.
4. Student Forum Activities: All departments have their students forums. Under the forum students organizes various technical activities, guest lecture, workshops in every semester.

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

7.3.2 - Plan of action for the next academic year

1. To apply for Second cycle of NAAC
2. To conduct National and International Conference.
3. To Signup MOU with reputed organizations.
4. To improve students' placements in prestigious companies.
5. To conduct significant social extension services.
6. To conduct more activities for gender Sensitization and equality.
7. To conduct STTPs and FDPs on quality improvement and other themes.
8. To conduct various activities under innovation club, English Club and students forums.
9. To improve faculty publications in SCOPUS/SCI journals.
10. To start knowledge centre at Institute.
11. To give emphasis on consultancy, sponsored project and research oriented activities