AQAR REPORT REVIEW

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING

Aishe id :	**C-18500**
Submitted for :	**2019-2020**
Submitted Date :	**07/01/2021 12:22 PM**
Reference AQAR Link :	Click here
Over all Comments :	**The institution's AQAR has been considered.**
Acceptance date :	**11/01/2021**

Review/Re-open History

SL NO	Comments by Officer	Review Date	Response of Institution
1	Provide the data for the following metrics: Part A: 4(Provide the link for the academic year's calendar)	08/01/2021	Link of academic calendar is attached.Thank you.

Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr.N.K. Choudhari**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07122710281**
Mobile no.	**9823273864**
Registered Email	**principalpbcoe@gmail.com**
Alternate Email	**drnitinchoudhari@gmail.com**
Address	**Harpur Nagar Umrer Road naear Bada Tajbagh**
City/Town	**Nagpur**
State/UT	**Maharashtra**
Pincode	**440024**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.Mrs. A.R.Chaudhari**
Phone no/Alternate Phone no.	**07122710281**
Mobile no.	**9823285684**
Registered Email	**arcbce@gmail.com**
Alternate Email	**pbcoeiqac@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.pbcoe.edu.in/naac_aqar.php

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.pbcoe.edu.in/naac_academic_calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.16**	**2017**	**27-Nov-2017**	**26-Nov-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**03-Feb-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Feedback and its analysis	**13-Sep-2019**	**523**

	2	
Two days online workshop for non teaching staff on Professional ethics	24-May-2020 2	138
3 Days Workshop on MS-OFFFICE for Non teaching staff	18-May-2020 3	200
Three Days Workshop on LATEX.	12-Jun-2019 3	28
One day workshop on curriculum development on Chemistry (Sem I and Sem II) in collaboration with Rashtrasant Tukadoji Maharaj Nagpur University,	18-Jun-2019 1	40
Campus to Corporate (C2C) Workshop by Priyadarshini Centre of Excellence Cell	24-Jun-2019 2	107
Meeting of Internal Quality Assurance Cell	15-Jul-2019 1	21
Signing up of MOU with MDB Electrosoft private Limited, Amaravati	26-Jul-2019 1	7
Induction Program for newly admitted students of B.E.first Year	29-Jul-2019 11	145
Setting up of Vermicompost Pit in College campus	23-Sep-2019 1	40

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View Link](#)

10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Academic and administrative audit Conducted. Organized certification courses, workshops, STTPs for Faculties and students. Signed Up MOU with different organisations. Students placement in reputed organisations. Conducted various online technical activities during lockdown period of COVID19.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Installation of Solar Panel on College Building Rooftop	Solar Panels and Generation meter panel box capacity KW and accessories required are installed on ongrid Rooftop Solar
To Conduct of Green Audit	Green Audit was conducted.
To Apply for NIRF ranking Institute	Applied for National Institutional Ranking Framework (NIRF), MHRD, Government of India.
To Increase Industry Institute Interaction Activities	Students worked on industry based project Industrial visits were organized MOU signed up with various organisations Students completed Industry Interships
To Motivate faculty members to pursue Ph. D.	Faculty members were made aware about the Ph. D. Entrance Examination of Affiliated university and NITs. Many faculty members appeared for the examination and few could qualify and registered for the research work.
To Submit various Research proposals to various funding agencies	Submitted various Research Proposals to AICTE.
To Prepare Perspective plan for all the departments of the institute	In the IQAC meetings, few departments prepared and presented their

| To Conduct various conferences / STTP /FDP/ Workshops / Seminars etc. | Various Workshops and Expert Lectures for Students and Teachers were organized. STTP and FDPs were conducted Various Online Technical Activities were organized during lockdown period of CoVID-19. |
| Conduction of certificate courses by various departments | Conducted certificate courses by different departments on various significant topics with a focus on employability |

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| **14. Whether AQAR was placed before statutory body ?** | **Yes** |

Name of Statutory Body	Meeting Date
College Development Committee	03-Dec-2020

| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | **Yes** |

| Date of Visit | **10-Nov-2017** |

| **16. Whether institutional data submitted to AISHE:** | **Yes** |

| Year of Submission | **2020** |

| Date of Submission | **20-Jan-2020** |

| **17. Does the Institution have Management Information System ?** | **Yes** |

| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | Yes, 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 calender, 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.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

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 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

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Certification course on Python Programming	NIL	10/08/2019	30	Employability	Yes
Advances in Concrete Technology	NIL	24/08/2019	41	Employability	Yes
Geotechnical Investigation and Ground Improvement Technique	NIL	24/08/2019	41	Employability	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NA	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	NA	Nill

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	64	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Bridge Course for newly admitted first year students on subjects like Physics, Chemistry, Maths, Engg. Drawing. Basic electrical engg, Basic civil Engg, Communication Skills.	30/07/2019	60

English Proficiency course	30/07/2019	65

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Office Automation System	2
BE	IT Networkz Info System Pvt. Ltd. Nagpur	2
BE	Application Development for Stock Maintenance and Billing	5
BE	Android Development	2
BE	Showroom Building Construction	6
BE	Improvement of soil BC Soil using Borrow Moroom	4
BE	Public Building	1
BE	SWDES & HYMOS Software	2
BE	Basic Civil Engineering	3
BE	Residential Appartment, ramkrishna Nagara, Nagpur	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Institute has well structured mechanism of taking online feedback from students on academics through ERP software which is developed inhouse at Sanstha Level. In each semester Dean Academics(LTJSS) took the feedback by conveying students the importance of correct feedback and counselling them so that true feedback can be obtained. The feedback report is shown to each subject teacher by the HoD. If it is below 50 percent, the subject teacher is counseled after attending few classes. The Regular Followup is taken through the students. If the feedback is below 75 percent the Dean Academics and Principal guide and direct the teacher to improve the teaching style based on the specific parameters pointed out in the feedback. Institute also collect the feedback from parents at the time of Parent Teacher Meet which is conducted in each semester. The feedback given by parents is analyzed for the specific

suggestions like improvement in sports facility, adding latest textbooks in the library, conducting technical workshops on latest trends etc are being considered at the Dept level and HoD of the dept implement it in the next semester. Institute also collect the feedback from employers regularly. The college T P Coordinator along with Dept T and P coordinator regularly ask for the feedback from employers through email or personal communication. The employers feedback is analyzed at institute level and specific inputs are used to plan the T and P activities throughout the year like improvement of communication skills, writing skills, confidence building, technical knowledge improvement etc. Alumni feedback is also collected form time to time. Firstly whenever any alumni visits the college he/she is being asked to share his/her inputs with the current students to improve the chance of placement in campus. The feedback form is being collected from the alumni and is being analyzed. Suggestions from alumni like contribution to alumni cell, conducting collaborative projects and training programs, guidance lecture from alumni are conducted at dept level. We have additionally well structured mechanism to collect the feedback from teachers on curriculum/academics. The suggestions given by faculty members on curriculum restructuring are forwarded to Board of Studies, RTM Nagpur University, Nagpur. Also institute conducts specific FDP and STTP on new technologies for up gradation of the subject knowledge on specific inputs received from the teachers.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Electronics and Communication Engineering	24	3	3
Mtech	Computer Science and Engineering	18	10	10
BE	Electronics and Communication Engineering	63	8	67
BE	Information Technology	63	54	64
BE	Computer Science and Engineering	63	63	148
BE	Mechanical Engineering	63	11	98
BE	Civil Engineering	63	14	69
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers

	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2019	988	31	70	7	77

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
77	77	11	9	0	10

View File of ICT Tools and resources

View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Institute is implementing student mentoring scheme in which each faculty has been assigned 10 to 15 students. A student mentoring scheme File is maintained for each student by the faculty , where details like, Personal Information , Previous Record , Academic Performance ,Competitive Examination Details, Details of Internship and Industrial Training, paper presentations , Scholarships Received ,CoCurricular and ExtraCurricular activities. The student mentor meets the students periodically and monitors their performance and their activities. Guidance regarding the lagging issues is provided. Occasionally teacherGuardian meeting with the parents is conducted based on the requirement. Any personal problem of the student is also discussed and the student is directed to professional counselors, if required. The parents are always be informed regarding the progress , of the students. One full time counselor is available in the college. The students are at liberty to approach any of them for help and guidance. This mentoring system in the College is very effective for the development of the students. ? We believe not only in educating our students but also parenting them. Student mentoring scheme provides emotional support to students on individual basis, helping students to overcome home sickness ,Establishing rapport between teacher, students and parents, Identifying weak areas and working out remedies helping students taking their complete care. . The formal and informal activities are carried out by mentors teachers which include i)Free and Frank interaction with students for confidence building,counseling and guiding them. ii) The students are encouraged to enroll for various value added courses offered in college premises like to enhance their skills and employability Quotient iii) Students are encouraged to participate in various types of activities like cultural, academic, debate, quiz etc. taking into consideration their aptitude and competencies. iv) Efforts are made to improve teacher students interaction through conduct of industrial visits, educational tours, soft skills development programme etc. These efforts certainly help the students to inculcate corporate manners, etiquettes and discipline v) Students are encouraged to think independently and develop problem solving approach. vi) Genuine concern for students welfare is expressed by mentor teachers which brings about psychological, emotional and behavioral changes in them. They become more optimistic and develop positive attitude. vii) At the end of the year mentors are advised to submit the report of mentor ship along with the duly filled forms

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1019	77	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
77	77	0	25	12

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. (Mrs.) A. R. Chaudhari	Associate Professor	Best Paper Award at International Conference on Science, Engineering Technology ICSET-2019, Tashkent, Uzbekistan
2020	Dr.(Ms.) R.A. Nandanwar	Assistant Professor	Best Young Researcher at International Conference on Science, Engineering Technology ICSET-2019, Tashkent, Uzbekistan
2020	Mr. A.D.Anjikar	Assistant Professor	Dronacharya Award, BFKCT
2020	Kanchan D. Ganvir	Assistant Professor	BEST PAPER AWARD in international conference on science , Engineering Techonology , organised at TASHKENT, UZBEKISTAN
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	11386180151	III Sem CIVIL	27/11/2019	31/12/2019
BE	11386180155	III Sem EC	25/11/2019	31/12/2019
BE	11386180149	III Sem CSE	25/11/2019	31/12/2020
BE	11386180157	III Sem ME	27/11/2019	31/12/2019
BE	11386180147	I Sem IT	13/12/2019	10/01/2020
BE	11386180149	I Sem CSE	13/12/2019	10/01/2020
BE	11386180155	I Sem EC	13/12/2019	10/01/2020
BE	11386180157	I Sem ME	13/12/2019	10/01/2020

| BE | 11386180151 | I Sem CIVIL | 13/12/2019 | 10/01/2020 |
| BE | 11386180147 | III Sem IT | 25/11/2019 | 31/12/2019 |

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

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.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Centralized Academic calendar is prepared by Principal, IQAC Coordinator and Dean Academics well ahead of the commencement of academic session. The centralized academic calender is then forwarded to various departmental heads so as to prepare the Departmental Academic Calender. 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 Calender 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 calender without overlapping the college level activities.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.pbcoe.edu.in/naac_POs_PSOs_PEOs_CO.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
11386180149	BE	Computer Science & Engineering	67	67	100
11386180151	BE	Civil Engineering	71	71	100
12183664410	Mtech	Electronics & Communication Engineering	9	9	100
11386180155	BE	Electronics & Communication Engineering	25	25	100
11386180147	BE	Information Technology	39	39	100
11386180159	Mtech	Computer Science & Engineering	9	8	88.88
11386180157	BE	Mechanical Engineering	98	98	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	00	NA	0	0
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop On TCS NQT	Training and Placement Cell	05/07/2019
Market scenario, job opportunities, career growth and placements	Training and Placement Cell	22/07/2019
Atos Syntel Campus Ambassador Program	Training and Placement Cell	20/08/2019
MOU and project internship drive	Training and Placement Cell	20/07/2019
Internship cum placement drive	Training and Placement Cell	22/08/2019
Orientation for Placements Preparation	Training and Placement Cell	11/02/2020
MOU Jetking	Training and Placement Cell	24/08/2019
Knowledge Enrichment Program for Mechanical Engineers	Training and Placement Cell	16/02/2019
Industrial Visit to Persistent	Training and Placement Cell	28/02/2020
Integrating physical devices over a network using IOT	Training and Placement Cell	23/05/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Gokart-Wheel Dismanteling	Mr. Gaurav Vaidya and Team of 25 Students (Team Mecheeth-1.0)	National Level BFKCT Season 3	13/09/2019	Indias biggest student Carting Championship
Gokart Competition	Mr. Gaurav Vaidya and Team of 25 Students (Team	National Level BFKCT Season 3	13/09/2019	Indias biggest student Carting Championship

Gokart-Dronacharya Award	Mr. A.D.Anjikar	National Level BFKCT Season 3	13/09/2019	Indias biggest student Carting Championship

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	4	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NA	0

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	14	3
International	Electronics and Communication Engineering	16	5
International	BE- I Year	3	2
International	Computer. Sci. and Engg.	15	3

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
BE- I Year	7
Mechanical Engineering	6
Electronics and Communication Engineering	2

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

Europium Doped TiO2 -Heterostructure for photodegradation of Dyes.	Mr.S.G.Ghugal	Material Science inc.Nanomaterials polymers.	2020	1	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0
Effect of heat treatment on the behaviour of teak wood adherends bonded joints.	Mr.S.G.Ghugal	Applied Adhesion Science	2020	1.3	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0
Fabrication of solar power portable Thermoelectric Refrigeration system	Mr.S.G.Ghugal	Journal of Advanced Research in Industrial Ingineeing.	2020	1	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0
Utilisation of agro waste in the development of fired clay bricks – a review	Arti M. Sorte, Ajay N. Burile, Dr.A. R. Chaudhari and Dr.Animeshchandra Haldar	Int. J. Environment and Waste Management,	2019	0.8	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0
Optimization of Operational methods to improve sustainable energy efficiency of auxiliaries in a CFBC cola fired boiler.	M.R. Moroliya	International Journal of Engineering Advanced Technology	2020	0.1	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0
PG Test of 250 TPH, 9.8 Mpa Circulating Fluidized Bed Combustion	M.R. Moroliya	International Journal of Innovative Technology Exploring Engineering	2020	1	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0

Coal fired boiler and 4X61.5MW Condensing steam Turbine						
Design and Fabrication of Solar Water heater with CPC by using Wafers Packet	M.R. Moroliya	International Journal of Recent Technology and Engineering	2020	1	Priyadarshini Bhagwati College of Engineeeing, Nagpur	0

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
NA	NA	NA	2020	0	0	NIL

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	20	0	0
Presented papers	4	0	0	0
Resource persons	1	0	0	0

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Making of Compost by using Nirmalya	Department of Civil	4	15
Paper Lantern making to promote plastic free India	Department of EC	3	250
Awareness program on "No to Plastic Bags" at Budhwar Bazar	Department of CSE	4	50
Helpage hand to	Department of CSE	4	75

"Home for aged handicapped", Untkhana , Nagpur				
Distribution of Blanket and bedhseet to needy people,at Chota TajBagh Nagpur	Department of CSE		3	25
Installation ceremony of life long Learning Extension Centre	Department of First year		2	106
Elocution Competition	Department of First year		1	10
Workshop Attended by Students on Mahatma Gandhi	Life Long Learning Extension Dept RTMNU		1	2
Plastic Ban Activity	Department of First year		5	25
Project on Social Scheme	Department of First year		2	52
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Innovation Contest 2020	Selected for final Round	IIITD Innovation and Incubation Center Delhi	2
[View File](#)			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
National Youth Day	NSS Cell PBCOE and RTMNU,Nagpur	Various Programme on Yoga, Sports and Cultural Activities	2	12
Swacha Bharat Abhiyan	NSS Cell PBCOE,Nagpur	Cleaning of Chota Tajbaugh and Sakkardara Lake Area	6	22
Social Welfare Scheme	NSS Cell PBCOE,Nagpur	Ahimsa Rally	4	12
Social Welfare Scheme	NSS Cell PBCOE,Nagpur	Donate for education	4	40
Yuva Mahiti Doot	Unisef and Government of	Yuva Mahiti Doot	4	70

	Maharashtra			
Tobacco day	NSS Cell PBCOE,Nagpur	Pledge for No to Tobacco	4	200
nternational Yoga Day	NSS Cell PBCOE,Nagpur	Yoga Day	4	34
Van mahotsav	NSS Cell PBCOE,Nagpur	Vruksha dindi	5	18
Van mahotsav	NSS Cell PBCOE,Nagpur	Tree Plantation	3	116
Prevention of Alcoholism and Substance (Drugs) Abuse for Social Defense Services	NSS Cell PBCOE,Nagpur	Seminar on Vyasanmukti	3	175
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Industry Internship (CSE)	3	Free	275
Project Drive for VI Sem IT	29	Free	1
Project Test Drive for VII Sem For EC, CSE, and IT Dept	124	Free	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industries	Internship	Livewire	15/06/2019	30/06/2019	3
Industries	Internship	Electro- Tech Engineer Services	20/05/2020	20/06/2020	1
Industries	Internship	Knowledge Solution India	27/04/2020	27/05/2020	1
Industries	Internship	KAVIN INDIA PRIVATE	19/05/2019	22/06/2019	3

Internship	Students Live Project	MDB Electrosoft Ltd., Amravati	01/07/2019	31/03/2020	3
Industries	Internship	ETE Services Pvt ltd Nagpur	20/05/2019	20/06/2019	1
Industries	Internship	CNC WORLD PVT LTD, Nagpur	01/06/2019	28/06/2019	1
Industries	Internship	Microsoft	01/06/2020	01/07/2020	1
Industries	Internship	IT Networkz	24/05/2020	28/06/2020	2
Industries	Internship	Gyanarpan	20/01/2020	20/02/2020	1
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MDB ELECTROSOFT PVT.LTD., AMARAVATI	26/07/2019	training, Projects and Internship	122
JETKING, NAGPUR	24/08/2019	Technical Seminars, Trainings and Industrial Visit	120
ITnetworkz Infosystems PVT.Ltd.	01/07/2019	Project Drive And Internship	124
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
3500000	3578348

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing

Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA Online Library Software	Fully	1	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18313	6474146	1352	785379	19665	7259525
Reference Books	1514	387539	52	23450	1566	410989
e-Books	9561	196300	0	0	9561	196300
Journals	129	435355	58	222654	187	658009
e-Journals	745	53070	745	13750	1490	66820
Digital Database	0	0	0	0	0	0
CD & Video	669	0	34	0	703	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	0	0	0	0	0	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. N. K. Choudhari	Basics of Programming in C (Part I)	YouTube Video-e-Shiksha Portal of RTM Nagpur University	26/04/2020
Dr. N. K. Choudhari	Basics of Programming in C (Part II) Practical	YouTube Video-e-Shiksha Portal of RTM Nagpur	30/04/2020

	Approach	University	
Dr.(Mrs.)A.R.Chaudhari	Corrosion of Metals(Part I)	YouTube Video-e-Shiksha Portal of RTM Nagpur University	26/04/2020
Dr.(Mrs.)A.R.Chaudhari	Corrosion of Metals(Part II)	YouTube Video-e-Shiksha Portal of RTM Nagpur University	30/04/2020
Dr.(Ms) R.A.Nandanwar	Knocking in Petrol engine and Diesel engine	PPT-e-Shiksha Portal of RTM Nagpur University	30/04/2020
Ms. Uma V. Gaikwad	Laser	PPT-e-Shiksha Portal of RTM Nagpur University	02/05/2020
Ms. Uma V. Gaikwad	NEWTONS RINGS	YouTube Video-e-Shiksha Portal of RTM Nagpur University	05/05/2020
Mr. R. K. Bhoyar	Engineering Curves, Projection of line planeof	PPT-e-Shiksha Portal of RTM Nagpur University	03/05/2020
Ms. Arti M. Sorte	Types of Failures in Pavements	PPT-e-Shiksha Portal of RTM Nagpur University	07/05/2020
Ms. Sapana A Bhande	Three Phase Induction Motor	PPT-e-Shiksha Portal of RTM Nagpur University	02/05/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	585	24	50	24	1	1	6	50	0
Added	0	0	15	0	0	0	0	15	0
Total	585	24	65	24	1	1	6	65	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

65 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NA

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary

component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
500000	499684	5000000	4982731

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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 machinaries 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.

https://www.pbcoe.edu.in/naac_Policy_for_Infrastructure.php

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institute level scholarship	136	2083108
Financial Support from Other Sources			
a) National	Government Scholarships for SC ,ST,OBC,VJ,NT,EBC,S BC and Minority Students	856	52069202
b)International	NIL	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yuva Prabodhan	02/08/2019	56	Shri Ganesh Dada Gaikwad Kendra Pratinidhi, Shree Swami SmarthaSevakendra, Nagpur
Motivational Lecture	02/08/2019	56	Dr. Rozina Rana Head Priyadarshini Centre of Excellence, LTJSS, Nagpur
Finding Passion and Motivation	01/08/2019	57	Mr. Atul Palandurkar Director, KLOUDS Ancyber Tech Pvt Ltd
Zumba / Yoga / Meditation / Optimum Health	30/07/2019	56	Mrs. Swati Dongre, Fitness Trainer, Nagpur
Mentoring	15/06/2019	201	Civil Department
TP Activity	15/06/2019	71	Civil Department
NSS	01/07/2019	85	Civil Department
III cell(Vighyan Bharati)	15/06/2019	9	Vighyan Bharati
Personal Counselling	14/12/2019	2	Civil Department
Remedial Coaching	11/05/2020	20	Civil Department

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Group Discussion	0	16	0	10
2019	Orientation by FACE Academy	0	132	0	76
2019	Campus Recruitment Training by FACE Academy	0	96	0	76
2019	TCS SPECIFIC MOCK TEST	0	62	0	40
2019	Short Tricks and easy concept used in Aptitude	61	0	7	0
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 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
HCL,Cognizant,Infosys,App IT simple,Talentio,TCS,Capgemini,Casepoint,Collabera,Erricsion (Pass out),FACE,Genpact,LIDO,Prolifics, Sanky Business Solution, Softdel,Xorian	120	76	MW Labs,ZappKode Solutions, Viba Telangana	10	3

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	0	NIL	NIL	NIL	NIL

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
Any Other	1

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Amrutam (Cultural Show, Singing, Dancing, Drama, Standup Comedy)	Institution	440
Kridamohatsav (Cricket, Volley Ball, Kabbadi, Box Cricket, Tug of War, Table Tennis, Carrom, Chess, Running, Musical Chair)	Institute	710
Shooting	University Level	1
Forum (Avishkar)	Departmental	201

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	NIL	National	Nill	Nill	Nill	NA

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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 social activities

5.4.2 – No. of enrolled Alumni:

2680

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Priyadarshini Bhagwati College of Engineering organizes Alumni Meet "Bhandan" every year. "Bhandan" is a formal function which consist of inauguration, alumni interaction with students and faculties, followed by Lunch. During the meet, alumni gives insights of various specializations and industry , they share their corporate experience and assures present batch students to be in continuous communication with them. Also they provide continuous support for placement assistance. Throughout the year whenever any alumini visits college campus they guide the existing students, share their experiences and make them aware the present situation of the industry and various skills required by them.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

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.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	As our institute is affiliated to RTM Nagpur University and approved by Directorate of Technical Education, Maharashtra state, the admission process is governed and monitored by

the DTE and State CET (Common Entrance Test) Cell. New admissions are done at three levels BE I year, Direct II year lateral entry and M Tech I Sem. For I year B.E. the MHTCET or JEE (Mains) entrance exam score is compulsory and passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 marks (at least 45 marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together OR Passed Diploma in Engineering and Technology and obtained at least 50 marks (at least 45 marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) OR Passed B.Sc. Degree from a Recognised University as defined by UGC and obtained at least 50 marks (at least 45 marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only). For PG course GATE exam is compulsory. The admission process is carried out by DTE as Centralised Admission Process CAP for all the new admissions. As our institute is Hindi Linguistic Minority institute, the 51 seats are reserved for hindi minority students and 49 are open for all other students in first two CAP rounds. Students from catagories like SC,ST,NT,OBC, SBC,EWS, SEBC and OPEN are admitted through this CAP process. The TFWS (Tutition Fee Waiver Scheme) is also available for OPEN and OBC candidates in which 5 seats are available over and above the sanctioned intake. The admission process is completely online and transparent. The online application form has to be submitted through FC(Facilitation Centres) setup by the DTE. Student can submit the online form and verify the same by FC officer by providing all the information and uploading and showing the documents. After this statewise provisional and final merit list is displayed. The next step is CAP Rounds for college and branch choices. There were total three CAP rounds. In each CAP round student

	can submit the college and branch choice codes through his/her login. Maximum 300 choices can be submitted. As per the merit score and choices filled the CAP allotment is displayed in students login. Student has two options here that is freeze and float. If student want to opt for allotted choice and do not want to participate in next CAP rounds then he/she can freeze the option through login. Otherwise by using float, student is allowed to temporarily accept the seat and can take part in further CAP rounds. If student want to opt for the allotted choice, he/she has to report to ARC (Admission Reporting Centre) and temporarily accept the seat by paying seat acceptance fees. In this way student can take part in all the CAP rounds. After final CAP round the seat allotted to the student will be final. Student has to report to this institute and take the admission by paying the college fees and submitting the documents in original. Same process is applicable to Direct II year admissions as well as PG admissions.
Industry Interaction / Collaboration	Priyadarshini Bhagwati College of engineering start the Industry Institute Interaction Cell with a goal "To Bridge The Gap between Industry and Institute". To achieve these goal various activity like industry institute panel discussion, industry institute meet, industry study tour programme, evaluation of project work by industrial experts, organizing seminars, symposiums, exhibitions and workshops on latest technological advancements with industry personal, collaborative projects, MOU, implementing the of R D and consultancy between the industries and the institute,joint research publication, solutions for field problems in the industry, conducting the Mock GD and Personal Interview. We are planning to establish Incubation centre at the institute in the near future.
Library, ICT and Physical Infrastructure / Instrumentation	Library : 1.The library has been upgraded by using online KOHA International Open source software to enable us in technical work like Book entry, generating book lables , circulation of books against Barcoded ID technology and resource sharing

	through LAN library has been updated with some new journals, magazines, books and online database were procured. 2.Various programs conducted in last year are as follows. a)Library awareness literacy program was organized for B.E. First year students on 02/08/2018 to make them aware about the KOHA online library software, OPAC module and its utility in the recent era as well as introduction to Delnet, ejournals Springers ebooks etc. b)Book exhibition in memory of Dr. S. R. Ranganathan on 09/08/2018 for students and teaching staff. 3.DSPACE Library Facility is started for staff and students for accessing NPTEL Video, E Books, Staff Paper Publication, Students project list, RTMNU Question papers, Syllabus etc. ICT: 1.ICT is used to support the teaching learning process. 12 LCD projectors are available in classrooms, seminar halls. Maximum subject teachers make use of ICT facility. 2.Most of the companies during placements conduct online test in campus which essentially requires updated labs with high speed internet. The internet bandwidth has been increased by 15 MBPS through broadband and now it is 65 MBPS . 3.The campus is Wi Fi enabled for students and faculties. Physical Infrastructure / Instrumentation: 1.Infrastructure as per regulatory body is established and maintained. 2.Fire evacuation drill was conducted in college campus for the students and faculty on 1st march 2019. 3.As college building is multi storied building so to fulfill the requirement of physically handicap students and for faculty lift installation has been completed.
Research and Development	Priyadarshini Bhagwati College of Engineering has promoted meaningful Res earchandDevelopmentactivitieswithavisio nandmissiontopursueandpromote Research in Frontier Technologies. In order to strengthen and expand the researchactiv itiesintheinstitute,RDcellwasestablishe dandisfunctioning in this Institution from last several years. Following are the activities carried out under R D Cell in the academic session 201819. 1. Institute permittedthe faculty members toparticipate in researchoriented programs by providing duty leave, to enrich their research awareness. 2. The

annual departmental R D fund (budget) allocated to every department is utilized for departmental R D activities e.g. U.G projects, P.G. Projects, deputation of faculties to STTPs / Workshops / FDPs /Guest Lectures etc. 3. Duty leave is granted to faculties for attending the STTPs / Workshops / FDPs /Guest lectures, etc. 4. Institute encouraged faculties to carry out their Ph.D. and research work apart from their routine academics. 5. 06 proposalsaresubmittedtoAICTEunderAQISforprojectsandconduction of STTPs. 6. Total171researchpapersare publishedbythefaculites invariousinternational journals of good repute in the current academic session. 7. Total 54 papers are presented by faculties in various International and National conferences. 8. Industry based projects and interdisciplinary projects are carried out by students, out of which some are carried under guidance from Pragati Vigyan Bharti. 9. With the help of ED Cell, III cell and T P cell, the R D cell carried out industryinstitute interactions to enhance the quality of research work. 10. InternationalConferencewasorganized inassociationwithSTAMIatTashkent, Uzbekistan between 30th May 2019 to 1st June 2019. 11. Number of Technical workshops and training programs are organized under R D Cell. 12. 07 MOUs are signed with various organizations /industries. These organizations / industries helps students and faculties in their research work. 13. The college library also has membership with other libraries and institutions which gives the researcher easy access to other libraries. 14. Adequate infrastructure, well equipped laboratories and Internet facilities with WiFi are provided for the students as well as faculties in the campus to promote research oriented work. 15. Research opportunities are provided to UG and PG students through papers and project competition, technical event, forum technical activities 16. Students Participated in conferences, workshops, Industrial trainings and Internship Programs of various industries. 17. Separate Research facilities with Hardware and required software are provided to the faculties and students to carry out

		their research work.
	Curriculum Development	Curriculum development is defined for session 201819 as a systematic plan to create positive and progressive improvement in academics systems by implementing routine assignments policies, regular assessment scheme in terms of Semester examinations , improvement test, remedial classes, extra classes for academics planned as per the Rashtrasant Tukdoji Maharaj Nagpur university discipline scheme and also monitored by Academics Monitoring Committee of our institute. The teaching faculties complete their syllabus on time, discusses topic in detail, in the class have interaction with the students, concentrate on academically challenging students, guide them in academics and nonacademic matters and uses modern teaching aid. The performance of all teaching staff is appraised by the end of each semester. This helps the staff to improve their teaching and learning strategies. Field Projects / Internships has been focused on employability/ entrepreneurship/ skill development during the Academic year. As a part of regular curriculum various aspects covered in theory are implemented practically in laboratories, besides that in few subjects one or more new experiments were set up. Innovative advanced technical knowledge is shared among students through technical seminar/workshop conducted by students at department level. The faculties and students are motivated to attend the conferences, workshop for upgradation of knowledge and encouraged to write research papers and take up industrial projects.The college also organized the national level seminar/ conferences, workshop,technical forum at institute level as well as department level to provide the platform to the students and staff to present their research findings. Various expert lectures by eminent person of Industries as well as reputed institutes are used to enriched technical knowledge of students. Being affiliated to RTMNU, prescribed syllabus is implemented at the institute levels. But, Gaps in the curriculum are identified and informed to board of studies of concerned

		branches in university through proper channel.
	Teaching and Learning	Being affiliated to RTM Nagpur University, institute follow the academic calendar proposed by the University every semester. Based on this academic calendar the college level academic calendar has been prepared by Dean Academics. The Heads of various departments prepare departmental academic calendar based on the college academic calendar, which is circulated to staff and students at the beginning of the semester. Institute promote interactive teachinglearning process. Subject files are available in all the departments which comprise of lecture notes, assignment and tutorial sheets, class test, sessional and university question papers, model solutions, vivavoce questions, question bank etc. The subject teacher in the departments can refer the file to teach the subject more effectively. Teaching of few subjects like soft skills and communication skills promotes the teachinglearning process through formation of study groups. Miniproject seminars and project seminars are organized regularly so as to promote interactive and independent learning among students. Few students are selected for live projects through project selection interviews by the industry experts which promotes collaborative learning by the students. Faculty prepares the teaching material through online learning resources like tutorials, PPTs, Ebooks, book chapters and shared with students for effective delivery of the curriculum. Faculties also uses the Google classroom for some of the subjects. In institute assessment of students performance is done on continuous basis. Evaluation is based on attendance of students in classroom, laboratory and project slots. Two assignments for each subjects are given at the beginning of the semester and evaluated meticulously. Mid Semester(MSE) and End Semester exam(ESE) are planned and conducted at central level. Internal practical exam is conducted at the end of each semester at central level. Students having poor performance in MSE and ESE are given chance to improve their score by conducting improvement

	tests. Academic monitoring committee at college level and department level attends the classes of faculty members and suggest corrective measures, if any. Review of syllabus coverage is taken from all head of the departments by the IQAC coordinator every fifteen days. Guidelines are issued to heads to arrange extra classes for the subjects that are lagging behind in syllabus. Crash course and performance improvement workshops are conducted at the end of each semester. Feedback from students, parents, alumnis and employers are taken and used for improvement in the system. Review meetings are conducted at Principal level and department level for syllabus coverage, lectures taken, assignment questions given, practical's conducted etc. Based on this meeting suggestions are given to faculties for improvement, if required.
Examination and Evaluation	Examinations are held as per the schedule mentioned in Academic calendar provided by Dean Academics . The continuous internal evaluation (CIE) dates are displayed on the college and department notice boards. According to the syllabus provided by the university,each topic is taught in detail and the notes are provided . Evaluation is done both in theory and practical examinations. Two examinations, Mid semester(MSE) and End Semester(ESE) are held per semester to asses the the students performance . Mid semester exam is based on first three units and End Semester exam is based on last three units.The MSE is planned in academic calendar at the middle of semester and ESE is planned at the end of the semester.The various assessments in the form of Assignments, tutorials, seminars are also conducted. Students subject knowledge is assessed through assignments , vivavoce and marks scored by the students . The improvement tests are conducted for students having poor performance in examination. On the basis of their classroom performance, regularity in submission of assignments, punctuality and personal interactions the slow learners and advance learners are identified. The remedial classes are conducted for slow learners and special guidance is provided to advance

	learners .Remedial classes helps the students to have insight to the previously covered topics and connecting with the new topics. The practical evaluation is conducted through regular checking of Journals, completion of practical and through viva voce question and internal practical examination. The Final year project internal evaluation is done by the expert person from the industry. He/she internally assesses and guides the students to meet the company expectation with their valuable suggestions. The Principal conducts review meetings department wise to discuss the improvement of students performance. The institution is keen on monitoring the performance of the students. Progress report are sent to parents after internal examination. To enhance the communication the parent teacher meet is organized.
Human Resource Management	The institute strives to bring excellence with the involvement of the governing body and stakeholders to achieve the vision, mission and goals of the institute. The Local Management Committee / College Development Committee give guidelines for framing policies of the Institute in tune with the vision and mission. The institute believes in practicing decentralization and involves stakeholder's representatives in decision making.. The institute has developed the strategic plan to achieve the goals which is deployed in a transparent and effective manner. Principal, IQAC coordinator Heads of the department, plan and implement quality improvement strategies taking into consideration the feedback of all stakeholders. College has well framed statutory and nonstatutory cells as per the norms of regulatory bodies like DTE / AICTE / UGC / University. Institute has different cells consisting of stakeholder's representatives. Committees/cells work effectively to meet the objectives. Institute has appraisal system to asses' performance of teaching staff. The institute believes that the success of the institute depends on the quality of human resources and focuses on employee performance. The Institute provides welfare measures like Group Insurance,

Provident Fund, and Study leaves etc. to the staff. Financial support is provided to faculty members for attending conference, workshop, STTPs etc. as per the institute policy. Internal Quality Assurance Cell (IQAC) monitors, reviews, and evaluate academic and administrative processes to ensure the quality. The institute has well defined service rules, policies and procedures. All are available with the institute are circulated to all departments for information of staff students. These rules policies procedure are concerned with the general administration of the college, recruitment procedure and service conditions of the staff, Leave rules of the staff, Policies of Promotion and increment and are came into effect from date of issuance. The college Service rule manual contains the relevant information. All the newly recruited staff and the newly admitted students are made aware of those rules through orientation programs or in the departmental meeting. Prospectus / Brochure are made available for all the students at the time of their admission into college. The printed bounded prospectus comprises of academic regulations, general rules and regulations of the college with regard to discipline and awareness about Anti ragging act etc. Service book is prepared for all the faculty. Recruitment is done in a transparent manner purely on the basis of merit.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Student Admission and Support	At the begining of the every academic year the student has to fill the online ERP admission form by filling the basic entries using ERP id and password. This is then forwarded to admission incharge for verification and then goes to account dept for fee acceptance. After this students will be reflected into the dept ERP module. For academic side the ERP has modules like time table generation, teaching plan, daily attendance, online fedback, monthly report of academic performance etc. HoD can see and generate the reports for feedback, results, academic progress, student database etc. Principal at college level can see the overall

	record through his login.
Examination	The affiliating university has implemented e-governance in examination system in a major way. Examination fees are paid online directly by students. Institute conducts two class tests CAT I and CAT II along with Sessional at the end of the semester. Marks of these examination at the college level is entered by the subject teacher through his/her login at the end of the examination. This mark database is linked with internal marks generation. HoD through his panel can set the marks distribution as per the marks obtained in the examination. Internal Assessment is uploaded on university Examination portal. At the end of the course the Transfer Certificate is also generated through ERP system after submitting the clearance by the student.
Planning and Development	The institute is using in house developed ERP software for most of the academic and administrative activities throughout the year as a part of egovernance. The ERP software contains the module of stock verification and maintenance for the departments. Every year the annual stock verification of equipments and devices is done through the departmental coordinator and report is being generated. This report is used at institute level and sanstha level to plan the yearly requirements of the lab equipements and other material through Dean Planning and Development at Sanstha Level. The same software is used to clear the bills of payment by the Accounts dept. The CAFO at Sanstha level can check and see the details of the purchases and payments for each of the colleges under Sanstha. Every user has a login credentials to use the ERP system with different rights. College website and college app provided as digital platforms for communication and information. Advanced cloud-based software(ERP)is used for communicating with students (messages are sent for any kind of information sharing, including attendance and academic performance) Google Classroom is used for communicating with faculty as well as students. Google Classroom, Email group and Whats app group are created and implemented which has replaced manual circulars,announcements

	regarding any formal communication related to students.
Administration	For administration part of the egovernance the ERP software has a dedicated module for establishment and student section. Every teacher apply the monthly leaves through his/her login which are approved through HOD panel and Principal panel. This is linked with accounts dept for salary generation. Similarly employee can check the records of leaves, vacations yearly as well as salary slip for every month. The academic details along with supporting proof is also available online in each employees account. HoD can generate the various reports for employees based on requirement. Time table and academic progress is also linked with the ERP which can be monitored by the Dean Academics at Sanstha Level.
Finance and Accounts	As fas ar accounts is concerned the accounts dept has seperate module for salary generation and scholasrship and fees data of the students along with billing details. The establishment dept provides attendance record of the employees every month based on which the salary statement is generated through ERP which is made available in employee login. The fee paid receipt for the students is also generated in this system. All the advance amount released and settelement of the advance is reflected into the ERP software through accountant login.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. R.A. Nandanwar	International Conference on Sustainable and Renewable Energy: Challanges and Opportunities	-	3500
2020	Dr. A.R. Chaudhari	International Conference on Sustainable and Renewable	-	3500

Year					
		Energy: Challanges and Opportunities			
2020	Ms.K.D.Ganvir	International Conference on Sustainable and Renewable Energy: Challanges and Opportunities	-		3500
2020	Ms.V.M.Atkari	Pre-Ph.D Course work	-		7000
2020	Mr. A. N. Burile	Pre-Ph.D Course work	-		7000
2020	Dr.A. C Haldar	-	Life time Membership Indian Chemical Society		5000
2020	Ms. Uma V.Gaikwad	International Conference on Sustainable and Renewable Energy: Challanges and Opportunities	-		3500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	-	Two days online workshop for non teaching on "Importance and Implementation of Professional Ethics"	24/05/2020	25/05/2020	Nill	200
2020	-	3 Days Workshop on MS-OFFFICE for Non teaching Faculty	18/05/2020	20/05/2020	Nill	138

| 2020 | STTP On Latest Trend in Mechanical Engineering Technology | - | 26/05/2020 | 31/05/2020 | 700 | Nill |
| 2020 | National level Online workshop on Role of ICT in Education System : Opportunities and Challenges | - | 27/05/2020 | 27/05/2020 | 255 | Nill |

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Program on "LateX" by JDCOE, Nagpur	11	18/05/2020	22/05/2020	5
5-Day-National Level Online Faculty Development Program on Artificial Intelligence	4	22/05/2020	26/10/2020	5
One Week Faculty Development Program on Ruby in association with IITB Spoken Tutorial	2	18/05/2020	22/05/2020	5
5-Day -online STTP on MATLAB Based Teaching Learning in Mathematics, Science and Engineering	3	18/05/2020	22/05/2020	5
Certification Course on Fundamentals of	1	01/05/2020	05/05/2020	5

Digital Marketing				
One Week FDP on SCILAB by SBJITR, Nagpur	20	04/05/2020	09/05/2020	6
Faculty Development Program on PHP and MYSQL in association with IITB Spoken Tutorial	4	24/04/2020	30/04/2020	7
One Week Online Faculty Development Program on python 3.3.3 in association with IITB Spoken Tutorial	9	20/04/2020	25/04/2020	5
National Level online Workshop on "Role of ICT in Education System: Opportunities Challenges" by PBCOE, Nagpur	20	27/05/2020	27/05/2020	1
NPTEL-AICTE Faculty Development Programme on Introduction to Machine Learning	2	01/07/2019	30/09/2019	90
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
51	26	9	37

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1)Duty Leave for Ph.D. Pursuing faculty 2) Financial assistance for participation in conference. 3) Concession in admission fees to children of faculty members 4) Six months maternity leave to female	1) Concession in admission fees 2) to children of non teaching staff members 2) Processing allowances	1) Insurance facility to students. 2) Sibling concession 3) financial assistance for participation in sports at university level.

faculty members. 5) Insurance facility 6)Employees Provident fund

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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. Maintainance 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. Recocilaition of Students Fee with Ledger. Timley payments of government authorities such as University, DTE, ARA, FRA, AICTE, Income Tax, Profession Tax, EPF, etc.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Funds received from Management	900000	For the purpose of training and placement activities, student activities and staff training programmes.9
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6.4.3 – Total corpus fund generated

13000000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Principal and Academicians from other institutes	Yes	Heads and senior faculties of Institute
Administrative	Yes	Principal and registrar from other institutes	Yes	Registrar and senior faculties of Institute

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1) Parents meet to discuss about their wards. 2) Parents are members of IQAC, antiragging committee and take active participation in overall quality improvement process. 3) Parents supports the social extension activities organized by various departments.

6.5.3 – Development programmes for support staff (at least three)

1. IQAC organized 3 Days Workshop on MS-OFFFICE for Non teaching Faculty 2. Two

days online workshop for non teaching on "Importance and Implementation of Professional Ethics" 3. Appreciation and felicitation of ladies supporting staff on account of Womens day.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1)Installation of solar panel on college building rooftop 2)Setting of Vermi Compost Pit in college campus 3)Conduction of certification courses by different departments. 4)Recitation of prayer at 10.am daily before commencement of classes of B.E. first year. 5)Extensive use of ICT in Teaching Learning Process.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Workshop on Curriculum Development of Chemistry (B. E. I Sem II Sem)	18/06/2019	18/06/2019	18/06/2020	40
2020	QUIZ on Corona Awareness at National level	26/04/2020	26/04/2020	30/04/2020	1100
2020	Webinar on Introduction to Data Science	06/05/2020	06/05/2020	06/05/2020	52
2020	Two days online workshop for non teaching on "Importance and Implementation of Professional Ethics" (Dr. (Mrs) A R Chaudhari Ms V M Atkari Ms S A Bhande)	24/05/2020	24/05/2020	25/05/2020	138
2020	"Role of ICT in Education: O	27/05/2020	27/05/2020	27/05/2020	255

2020	Online Painting Competition: Theme: A tribute to the Community Helpers in COVID-19	11/05/2020	11/05/2020	15/05/2020	171
2020	Online Slogan Writing on Covid-19	13/05/2020	13/05/2020	15/05/2020	32
2020	Online Quiz Competition on "Engineering Graphics"	24/05/2020	24/05/2020	28/05/2020	615
2020	Online Quiz Competition on Engineering Mathematics	28/05/2020	28/05/2020	01/06/2020	418
2020	Webinar on 140 ways to work from Home	15/05/2020	15/05/2020	15/05/2020	115

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on Women Empowerment	21/09/2019	21/09/2019	91	24
Seminar on Cyber Crime and Women Safety	03/01/2020	03/01/2020	146	0

Women's Day Celebration- Felicitation of women housekeeping workers	07/03/2020	07/03/2020	150	300

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1) Annual power requirement met by the renewable energy sources in the institute is 26173 KWH and Total annual power requirement of the Institute is 34620 KWH 2) Rain water harvesting system has been installed and the rain water which was other wise wasted is collected and after proper filtration it is allowed to percolate. 3) The solid waste generated in campus is properly disposed off by collecting it in solid waste disposal unit. 4) Tree plantation is carried out through out the year inside the campus and also in the the nearby areas to create environmental consciousness. 5) Social extension programs by students of various departments.is carried out in different areas on ban on use of plastic bags , sawchha Bharat Abhiyaan, utilization of flowers used in temples for creating compost. 6) Use of LED bulbs in campus 7) Awareness is created in the campus to save water and electricity 8) Faculty and students are encouraged to use public transports or share vehicles so as to save fuel. 9) Many students of our college uses bicycle as a mean of transport.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	Nill	1	25/02/2 020	1	Blood Donation Camp	Drop of blood Save life	50
2019	Nill	1	10/10/2 019	1	Under Swaccha Bharat	Cleanli ness of S urroundin	50

2019	1	Nill	14/02/2019	1	Road Safety Awareness Programme	To Spread the awareness about road safety and Traffic Rules	150
2019	Nill	1	21/10/2019	1	Corona Awarness program	To spread awareness about the CORONA disease and what precautions to be taken	100
2019	1	Nill	04/10/2019	1	Paper Lantern making workshop at various schools	To promote plastic free India	250
2019	Nill	1	19/09/2019	1	Making of Compost by using Nirmalya	To Make awareness about Reuse of Waste	15
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students	15/06/2019	The rules and regulations for students are same as previous years.The student should follow the policies of the college in true spirit.students should wear the college Id card and College Uniform.Students should

			have minimum 75 attendance to appear for university exam.Students must respect teaching and non teaching staff within and outside premises. student must pay the stipulated fees in a given span of time.students must report the change in communication address if any.Student should not be part of any ragging activities.Smoking,chewin g tobacco, consuming alcohol or any drug is strictly prohibited in college campus.
Guidelines for parents	15/06/2019		parents should in continuous touch with the mentors,class teacher and HOD.Parents must ensure fullfilment of all academic requirements as per institution and university by their wards.They should attend parents meet and give proper feedback for the betterment of the system.
Code of conduct for teachers	15/06/2019		teachers should follow all the existing policies of the sanstha.They should put maximum efforts for the betterment of students community..should should keep themselves updated in their respective fields.Teachers should maintain the harmony within the department and campus and try to imbibe the ethics and values in the students.
Guidelines for Alumnies	15/06/2019		All pass out students should register themselves as a member of college alumni association.They should share their expertise with the students of this Institute.They can give feedback for the improvement of the system.As and when

7.1.6 – Activities conducted for promotion of universal Values and Ethics			
Activity	Duration From	Duration To	Number of participants
Ahinsa Rally	02/10/2019	02/10/2019	20
Donate for Education	09/09/2019	09/09/2019	47
Expert Talk on Vyasan Mukti	01/08/2019	01/08/2019	100
World No Tobacco Day Pledge	11/07/2019	11/07/2019	250
Talk on importance of Hanuman Chalisa in Human Life	03/10/2019	03/10/2019	117
Vruksha Dindi	02/07/2019	02/07/2020	31

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Installation of Solar panels on college roof tops 2. Setting of Vermi Compost pit in college campus 3.Paper Lantern Making for Plastic Free India 4. Tree plantation activity conducted in an around campus twice. 5. Awareness program on "No to Plastic Bags" at Budhwar Bazar, Nagpur.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 1. Title of the Practice: Innovative TeachingLearning 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 it's 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.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://pbcoe.edu.in/naac_Best_Practices.php

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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 are 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, ascent 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. 2. Personality development program: As most of our students lack in communication and soft skills, since 2011, the institute started organizing various skill development programs for all students through external experts and experts from our sister concern institutes. These programs focuses 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. 3.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 to meets students and take review of their studies and other related issues. The mentors conveys the academic progress of students to their parents. The institute has appointed a special counsellor and in case of any issues 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. 4.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.

Provide the weblink of the institution
http://pbcoe.edu.in/naac_Institutional_Distinctiveness.php

8.Future Plans of Actions for Next Academic Year

1.To organize induction program for BE I year students as per AICTE guidelines. 2.To give more stress on improving quality of academic , teaching learning so as to build the confidence of students and they will score good marks and secure rank in university. 3.To organize various skill development programs that helps students to improve their communication skill, aptitude, group discussion etc. that will be helpful to students for placement in reputed companies. 4.To increase social extension activities 5.To add more diploma and certificate course for II and III Year students. 6.To motivate students to take active part in NSS activities and sport activity at university level. 7.To motivate students of all branches for taking active part in technical hackathon organized at State and National level. 8.To start English club for students and controlled by the students themselves under the supervision of faculty to improve the communication skill. 9.To start Google classroom, E class room facility and Java User Group for the students. 10.To organize more programs on women empowerment and gender sensitization. 11.To start the incubation facility and startup facility in the college to encourage students to start their own business. 12.To increase

industry based projects of students. 13.To install Solar Panel for energy conservation. 14.To make campus to more eco friendly and to establish vermi compost unit in the campus for recycling and reusing of waste material generated in campus. 15.To organize student training program for competitive Exams like conduction of crash course, online MCQ's Mock Test to prepare 12th class students in the nearby region for competitive examination like MHTCET examination. 16.To submit the proposal for getting approved research centre of RTM Nagpur University. 17.The institution plans to host national conference in the next academic year. 18.To start the centralized valuation centre for all internal college examination. 19.To motivate students to organize technical workshops for their juniors.