AQAR REPORT REVIEW

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING

Aishe id :	**C-18500**
Submitted for :	**2018-2019**
Submitted Date :	**11/11/2019 05:11 PM**
Reference AQAR Link :	Click here
Over all Comments :	**Accepted.**
Acceptance date :	**16/03/2020**

Review/Re-open History

SL NO	Comments by Officer	Review Date	Response of Institution
1	If you have any correction in AQAR please do it within 15 days. If no updation is there also please inform through portal only that you have nothing to add. Your AQAR is reopened for correction by your end. Please treat this as URGENT for Response	23/12/2019	We have done minor corrections in our AQAR for the academic session 2018-19 and hereby finally submitting the same.Thank you.
2	Dear Sir/Madam, It is observed that the metrics 1.2.1, 1.2.2, 3.1.1, 3.2.3, 4.3.3 values/data not entered. Therefore you are requested to revisit the AQAR and enter appropriate values / information in respective metrics and do not leave any metric blank/unanswered. In case of no data for the metric /non applicability, kindly enter ''0'' for numerical values and	12/03/2020	As per the mail received entries were made in metric 1.2.1, 1.2.2, 3.1.1, 3.2.3 and 4.3.3 as NIL/NA and 00 numeric value as there was no data to enter in those metrics. Now we are resubmitting the AQAR. Thank you for your guidelines.

Yearly Status Report - 2018-2019

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@gamil.com**
Alternate Email	**drnitinchoudhari@gmail.com**
Address	**HARPUR NAGAR, UMRED ROAD, NEAR BADA TAJ BAGH**
City/Town	**NAGPUR**
State/UT	**Maharashtra**
Pincode	**440024**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
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)	http://www.pbcoe.edu.in/naac_aqar.php

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.pbcoe.edu.in/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	**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
Certificate course on	**21-Feb-2019**	**30**

Linux and Shell Programming	30	
Certificate course on Java Programming	21-Feb-2019 30	30
Feedback and its analysis	20-Feb-2019 2	823
Feedback and its analysis	26-Sep-2018 1	198
Feedback and its analysis	13-Aug-2018 1	712
Academic and administrative audit	12-Jul-2019 2	23
Timely submission of AQAR 2017-18	21-Sep-2018 1	21
Meeting of Internal Quality Assurance Cell	02-Jan-2019 1	21
Meeting of Internal Quality Assurance Cell	12-Oct-2018 1	20
Meeting of Internal Quality Assurance Cell	19-Jun-2018 1	21
Bridge course on Effective Communication for 12th Appeared Students.	01-Apr-2019 30	60
Installation of Innovation Club at college level	28-Feb-2019 1	158
Workshop on Personality development of non teaching staff	14-May-2019 1	38
Three Days Workshop on LATEX.	12-Jun-2019 3	28
Two Days Workshop for students Industry Based Networking	04-Jan-2019 2	72
Two Days workshop on Copyrights Registration and Filling in India	29-Apr-2019 2	42
One week Short Term Training Program for staff Emerging Trends in Industry Based Networking Through windows based server.	01-Apr-2019 6	28
AICTE-ISTE approved STTP on Machine Learning using Python in association with Monkfox, Bangalore	02-Apr-2019 6	21
Certificate course on Advanced Trends in	02-Mar-2019 30	30

Manufacturing Processes		
Certificate course on Advance in Operation Research	05-Mar-2019 30	18
Certificate course on Concept and application of hydraulics machines	02-Mar-2019 30	15
Free Certification Course on general aspects in Civil Engg.	29-Mar-2019 25	30
Certificate Course in R Programming	27-Feb-2019 30	29
Certificate course on Hands on VHDL using Altera Quartus DE II board	28-Feb-2019 30	30

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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	NA	NIL	2019 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	
Installation of innovation club at college level	
Organized International Conference at Tashkent, Uzbekistan during 30th May 2019 to 1st June 2019	
Conducted 8 certification courses for students , workshop on LATEX, Copyrights in India,curriculum development workshop, 2 Short term training programs for teaching staff.	
271 students are placed through campus interviews	

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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
Motivating 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 qualified and registered for the research work. No. of Ph. D. awarded – 05 No. of Ph. D. submitted – 03 No. of Ph. D. Registered 35
Formation of Academic Monitoring Committee	The Academic Monitoring Committee has been constituted to achieve the academic excellence. The committee monitored uniform syllabus coverage, teaching methodology, use of ICT, student- teacher interaction which ultimately improved the execution of academic planning.
To Increase Industry Institute Interaction Activities	• worked on industry basStudents ed project • Industrial visits were organized • Industry Internships
To Apply for NIRF ranking Institute	Applied for National Institutional Ranking Framework (NIRF), MHRD, Government of India.
To conduct Conduction of Green Audit	Green Audit was conducted.
To conduct Internal and External Academic Audit	Internal and External Academic Audit was conducted. Department wise subject experts performed the audit and verified the existing processes and suggested the changes required.External audit was conducted by outside experts in academic field

Encouraging more number of students to participate in Smart India Hackathon organised by AICTE	Total 66 students participated in Smart India Hackathon and one team was selected for Grand Finale at Nodal centre at ERA University Dehradun, Uttarakhand
Conduction of Personality development program for non teaching staff.	IQAC has organized one day workshop on personality development for non teaching staff
Conduction of certificate courses by various departments	• Conducted 8 certificate courses by different departments on various significant topics with a focus on employability
Conduction of International / National Conferences / STTP / Workshops / Seminars etc.	• Organized International conference "ICSET 2019" at Tashkent, Uzbekistan during 30th May 2019 to 1st June 2019" • Various Workshops and Expert Lectures for Students and Teachers were organized. • Two STTP were conducted by CSE and EC Engineering Dept. • Three Days Workshop on LATEX was organized • Two Days workshop on Registration and filing of Copyrights in India was organized
Preparation of Perspective plan for all the departments of the institute	In the IQAC meetings, few departments prepared and presented their perspective plan.
Submitting Research proposals to various funding agencies	Submitted various Research Proposals to AICTE.
Project Institute for PMYUVA Yojana-Udyonmita	• Empanelled as a project institute by PMYUVA scheme, an initiative by Ministry of Skill Development, Govt. of India. • This year 161 students got training for skill development.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Development Committee	23-Jul-2019

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	2019
Date of Submission	07-Feb-2019
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)	Management Information System(MIS) Yes, the institute has a welldesigned Management Information System namely http://erp.ltjss.net. It is a comprehensive module based system which enables the functioning, governance and management of diverse education related activities of the college. The various modules allow effective integration of issues related with academics, non academics and finance their analysis as well as report generation. It implements role based access and policies for performing various activities conforming to the hierarchical organizational structure of the college. All the major academic and nonacademic activities are implemented through this MIS. The modular design of ERP enables the various academic as well non academic activities to be handled as independent modules. This MIS includes following administrative procedures 1. Academic Module: Academics module implements all those things that are central to learning, education, and teaching, like planning academic calendar, handling courses scheme and their configuration, syllabus design, continuous evaluation methods, result analysis so on. In order to handle the entire report of academics, it is further divided into various sub modules such as Time table generation,Teaching plan, Teaching Load Creation, Student section assignment, Roll list Generation, Subject Management, Student attendance, Examination, Result analysis, Academics Reports, Students Attendance Generation etc. 2. Students Admission Module:This module is used to create admission form, readmission form, Leaving certificate Generation, Branch Allotment, Section Allotment,Students Profile Creation, Students Admission Status Module and so on. 3. Student Feedback Module: Online registration portal for student admission.This

module is create for students section. It is linked with academics module, and feedback analysis is generated at panel of Head of departments as well as head of Institute. 4. Personal Module: This module used to give all information like Personal attendance, Personal pay slip, Leave record, Leave Approval record, Faculty duties ,Personal profile, Seminar, Conference, Training activities so on. 5. Stock Management Module: It provides information about all stock of individual labs, department, Buildings as well as college, Stock Transfer Module, Stock management and all related to stack. 6. Complaint management Module: It directly linked to stack 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 digitized 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: ?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 ?Subjects are allotted to teachers as per the choice given, if possible. ?The Time Table is prepared for the semester. ?Subject wise Teaching plans are

prepared and approved by the HoD and Principal ?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. ?Teaching material like subject notes, PPTs, NPTEL videos and other e-learning material is kept ready by the respective teachers. ?Industrial visits are organized for practical exposure to students. ?Conference, workshops, seminars and Technical fests are organized. ?Study groups are formed for peer-to- peer learning. ?Every department has its own departmental library comprising of relevant literature. ?Laboratory manuals are prepared/updated as per the prescribed syllabus and subject requirements. ?Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum. ?Dean Academics after reviewing the Academic report communicates the discrepancies if found to Head of the department. HOD takes necessary action for the improvement. ?Academic Audit is conducted at department and Institute level to verify the content of course file, Evaluation Process and Laboratory Conduction. ?Academic report prepared by HoDs is submitted to Dean, Academics every fifteen days which is then communicated to Principal. ?Extra classes are conducted for the subjects lagging behind in the syllabus coverage ?Monthly attendance of students is displayed so as to keep the check on regularity of students ?The Subject files , lab files and course files are updated throughout the semester by the respective teachers. ?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. ?Standard practical journal, laboratory manuals, viva-voce question bank is available in the respective departments ?After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, 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
Java Programming	Nil	21/02/2019	30	Employabil ity	Yes
Linux and Shell Programming	Nil	21/02/2019	30	Employabil ity	Yes
Hands on VHDL using Altera Quartus DE II board	Nil	28/02/2019	30	Employabil ity	Yes
R Programming	Nil	27/02/2019	20	Employabil ity	Yes
General Aspects in Civil Engineering	Nil	29/03/2019	25	Employabil ity	Yes
Concept and application of	Nil	02/03/2019	30	Employabil ity	Yes

hydraulics machines					
Advance in Operation Research	Nil	05/03/2019	30	Employability	Yes
Advanced Trends in Ma nufacturing Processes	Nil	02/03/2019	30	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	NIL	26/12/2019
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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	NIL	26/12/2019

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

	Certificate	Diploma Course
Number of Students	212	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
Awareness activity program of Human Rights , Indian Judiciary System Constitution of India	22/09/2018	150
Essay and debate competition on Life Journey of Mahatma Gandhi	02/10/2018	30
Speech competition on account of Death anniversary of Lokmanya Bal Gangadhar Tilak	01/08/2018	13
Swachh Bharat activity	04/11/2018	50
Voter Awareness program	16/02/2019	200
Woman Day Celebration	08/03/2019	250
Fire Safety Awareness program	27/02/2019	100
Social Awareness program on Ban on plastic bags .	22/02/2019	50
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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	Information Technology	13
BE	Computer Science & Engineering	32
BE	Civil Engineering	56
BE	Electronics & Communication Engineering	29
BE	Mechanical Engineering	60
Mtech	Computer Science & Engineering	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 telling students the importance 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 the subject may be assigned to other teacher. If it is below 75 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 ParentTeacher Meet which is conducted in each semester. The feedback given by parents is analysed 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 analysed 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 to the current students to improve the chance of placement in campus. The feedback form is being collected from the alumni and is being analysed. 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 academics. Every teacher in each semester fill the academic feedback form on the basis of changes or modifications required in the subject contents. These suggestions are forwarded to RTM Nagpur University respective subject Board of Studies for accommodation in syllabus up gradation activity. 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
BE	Computer Science & Engineering	63	61	61
BE	Electronics & Communication Engineering	63	24	24
BE	Information Technology	63	52	52
BE	Civil Engineering	63	35	35
BE	Mechanical Engineering	63	45	45
Mtech	Computer Science and Engineering	18	9	9
Mtech	Electronics and Communication Engineering	24	9	9
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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 in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1209	25	81	7	88

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

87	87	11	9	0	9

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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 in forms.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1209	**87**	**1:14**

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
87	**87**	**0**	**29**	**13**

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
2019	**Dr.(Mrs.) A.R. Golhar**	**Assistant Professor**	**Best Young Researcher in International Conference on Science Engineering Technology organised by Society for Technologically**

			Advanced Materials of India at Taskent,Uzbekisthan
2019	Ms K D Ganvir	Assistant Professor	Best Paper Award in Engineering at International Conference on Science Engineering Technology organized by Society for Technologically Advanced Materials of India at Taskent, Uzbekisthan
2019	Dr.(Mrs) A. R. Chaudhari	Associate Professor	Conferred with Women Bhaskar Award 2019 in the category of Education
2019	Mr. R. K. Bhoyar	Assistant Professor	As an Editorial Board Member in Journal of Advances Research in Industrial Engineering
2019	Dr.(Mrs) A. R. Chaudhari	Associate Professor	Best Paper Award in International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Taskent,Uzbekisthan
2019	Dr. A. C. Haldar	Assistant Professor	As a Reviewer for Journal of Heterocyclic Chemistry, Willey Interscience
2019	Dr. A. C. Haldar	Assistant Professor	As an Editorial Member in Journal of Formulations and Modern Pharmaceutics
2019	Dr. A. C. Haldar	Assistant Professor	As an Editorial Member in Journal of Advances in Pharmaceutical Research
2019	Mr. A. N. Burile	Assistant Professor	As an Editorial Board Member in

			Journal of Advances in Nanotechnology and its applications
2019	Mr. A. N. Burile	Assistant Professor	As an Editorial Board Member in Journal of Environmental Sciences
2019	Mr. A. N. Burile	Assistant Professor	As an Editorial Board Member in Journal of Green Chemistry
2019	Mr. R. K. Bhoyar	Assistant Professor	As an Editorial Board Member in Journal of Research and Applications of Thermal Engineering
2019	Mr. R. K. Bhoyar	Assistant Professor	As an Editorial Board Member in Journal of Mechanics Machines
2019	Dr.(Mrs) R.A.Nandanwar	Assistant Professor	Best Young Researcher in International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Taskent,Uzbekisthan
2018	N Adkine , M Moroliya	Assistant Professor	Copyright on Literary work with registration number L79186/2018 issued by copyright office government of India.
2018	N Adkine , M Moroliya	Assistant Professor	Copyright on Literary work with registration number L79751/2018 issued by copyright office government of India.
2018	M Moroliya	Assistant Professor	Copyright on Literary work with registration number L78487/2018 issued by copyright office government of India.

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	11386180149	I Sem CSE	12/12/2018	22/01/2019
BE	11386180147	I Sem IT	12/12/2018	22/01/2019
BE	11386180155	I Sem EC	12/12/2018	22/01/2019
BE	11386180157	I Sem ME	12/12/2018	22/01/2019
BE	11386180151	I Sem CE	12/12/2018	22/01/2019
BE	11386180149	III Sem CSE	28/11/2018	31/12/2018
BE	11386180147	III Sem IT	28/11/2018	31/12/2018
BE	11386180155	III Sem EC	28/11/2018	31/12/2018
BE	11386180157	III Sem ME	30/11/2018	31/12/2018
BE	11386180151	III Sem CE	28/11/2018	31/12/2018
BE	11386180149	V Sem CSE	27/11/2018	31/12/2018
BE	11386180147	V Sem IT	29/11/2018	31/12/2018
BE	11386180155	V Sem EC	27/11/2018	31/12/2018
BE	11386180157	V Sem ME	27/11/2018	31/12/2018
BE	11386180151	V Sem CE	27/11/2018	31/12/2018
BE	11386180149	VII Sem CSE	28/11/2018	31/12/2018
BE	11386180147	VII Sem IT	28/11/2018	31/12/2018
BE	11386180155	VII Sem EC	28/11/2018	31/12/2018
BE	11386180157	VII Sem ME	28/11/2018	31/12/2018
BE	11386180151	VII Sem CE	28/11/2018	31/12/2018
BE	11471857445	VII Sem EN	28/11/2018	31/12/2018
BE	11386180149	II Sem	09/05/2019	20/06/2019
BE	11386180147	II Sem	09/05/2019	20/06/2019
BE	11386180155	II Sem EC	09/05/2019	20/06/2019
BE	11386180157	II Sem ME	09/05/2019	20/05/2019
BE	11386180151	II Sem CE	09/05/2019	20/05/2019
BE	11386180149	IV Sem CSE	10/05/2019	14/06/2019
BE	11386180147	IV Sem IT	10/05/2019	14/06/2019
BE	11386180155	IV Sem EC	10/05/2019	14/06/2019
BE	11386180157	IV Sem ME	10/05/2019	14/06/2019
BE	11386180151	IV Sem CE	10/05/2019	14/06/2019
BE	11386180149	VI Sem CSE	11/05/2019	07/06/2019
BE	11386180147	VI Sem IT	11/05/2019	07/06/2019

BE	11386180155	VI Sem EC	11/05/2019	07/06/2019
BE	11386180157	VI Sem ME	11/05/2019	14/06/2019
BE	11386180151	VI Sem CE	09/05/2019	07/06/2019
BE	11386180149	VIII Sem CSE	10/05/2019	07/06/2019
BE	11386180147	VIII Sem IT	10/05/2019	07/06/2019
BE	11386180155	VIII Sem EC	10/05/2019	07/06/2019
BE	11386180157	VIII Sem ME	10/05/2019	07/06/2019
BE	11386180151	VIII Sem CE	10/05/2019	07/06/2019
BE	11471857445	VIII Sem EN	10/05/2019	07/06/2019

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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. Mid semester examination 3. End semester 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 Reforms in Continuous Internal Evaluation (CIE) In the session 201819 we have introduced Mid semester examination and End semester examination as a part of continuous internal Evaluation system. Previously we used to conduct class assessment test I(CATI) and class assessment test II(CATII) and sessional examination. In this session we have conducted ESE and MSE at the central level previously the exams were conducted at department level. Evaluation is done both in theory and practical examinations. Two examinations, Mid semester (MSE) and End Semester (ESE) are held per semester to assess 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, viva voce and marks scored by the students. The improvement tests are conducted for students having poor performance in examination. The institution is keen on monitoring the performance of the students. Progress report is sent to parents after internal examination. To enhance the communication the parent teacher meet is organized The evaluation of the students is an integral part of the teachinglearning process. The Continuous Internal evaluation (CIE): 1. Encourages the students to progress continuously in the semester leading to thorough understanding of the course. 2. Allows teachers to evaluate the performance of their students in accordance with the course objectives. 3. Enhances the students' abilities and skills such as creative and critical thinking, working in a team, communication skill, leadership abilities, etc. 4. Distributes course work throughout the semester reducing stress on the students

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

The institute has a well defined practice of preparing and executing the academic calendar for each semester. Institute receives the academic calendar from RTM Nagpur University before the commencement of the each semester. The Dean, Academics in consultation with Principal of the Institute prepares the college level academic calendar based on RTM Nagpur University academic calendar, considering the available duration of working days in semester. College level academic calendar indicates and includes the academic activities like Class Test I, II, sessional examination Dates for assignment submission, parent teacher meet, Industrial visit, seminar and technical workshops

specially on each saturday, forum activities, schedule of internal practical exam, remedial classes, display of marks and attendance, holidays and leaves considering the available working days. Based on this college level academic calendar, HoD of the various dept prepares their dept level academic calender and accomodate all the inputs from the College level academic calendar. This dept academic calendar is circulated to each subject teacher in advance and also displayed on the Notice board. The HoD of each dept monitors the true implementation of the academic calendar through faculties. Class coordinators use this academic calendar to plan the schedule of display of attendance and extra classes. The exam coordinator conducts the Test and Sessional at college level during the dates specified. Practical exam coordinator displays the schedule for exam as per the dates specified. The HoD plans and execute other activities like industrial visits, guest lectures, parent teacher meet, forum activites through departmental coordinators. As per need if dates of any activity need to be changed it can be changed by proper communication with Dean Academics and Principal.

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)

<div align="center">

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

</div>

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
11386180155	BE	Electronics & Communication Engineering	67	64	95.52
11386180147	BE	Information Technology	21	18	85.71
11386180151	BE	Civil Engineering	78	69	88.47
11386180157	BE	Mechanical Engineering	151	129	85.43
11471857445	BE	Electronics Engineering	10	10	100
11386180159	Mtech	Computer Science & Engineering	4	4	100
12183664410	Mtech	Electronics & Communication Engineering	9	9	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
No file uploaded.				

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
Two Days Workshop for students Industry Based Networking	Electronics and Communication	04/01/2019
Three Days Workshop on LATEX.	IQAC	11/06/2019
Two Days workshop on Copyrights Registration and Filling in India	IQAC	29/04/2019
Introduction to Entrepreneurship development	ED Cell	22/02/2019
Conduction of PMYUVA Classes	III Cell	13/07/2019
Guest lecture on Application of Engineering Graphics in Industry	III Cell	25/01/2019
Project implementation in Akar Industries	III Cell	22/07/2019
AICTE ISTE approved STTP on Machine Learning using Python in association with Monkfox, Bangalore	Computer Science and Engineering	02/04/2019
One week Short Term Training Program for staff Emerging Trends in Industry Based Networking Through windows based server.	Electronics and Communication	01/04/2019

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
Graphic Designing	Ms.Shiwani Udatewar	Priyadarshini JL College of	07/03/2019	Technical

		Engineering, Nagpur		
Wheebox Employability Skill Test Certificate	Ajinkya Jain,Karan Potdukhe and Piyush Shirsat	Wheebox,CII and Association of Indian Universities.	25/10/2018	Technical
Laboratory study of waste management by using method of plant extraction	Ms. Kajal Pustode, Ms. Sayli Narse, Ms. Shraddha Yeole, Ms. Pragati Dakhole, Ms. Manisha Kalsait	GWCOE, Nagpur	12/02/2019	Project
Generation of Electricity from domestic water supply line	Mr. Shubham Mohurle, Mr. Pratik Bhivgade, Mr. Akshay Shahare, Mr. Nitin Nasre, Mr. Mohit Gaikwad	Engineering India Competition at Nagpur	24/02/2019	Project
Experimental study on expansive soil with glass furnace slag	Mr. Nikhil Meshram Ms. Pratiksha Barapatre Ms. Pranali Lambat Mr. Nikhil Khadilkar Mr. Dimpal Khapekar	Engineering India Compitition at Nagpur	24/02/2019	Project
Laboratory study of waste management by using method of plant extraction	Ms. Kajal Pustode, Ms. Sayli Narse, Ms. Shraddha Yeole, Ms. Pragati Dakhole, Ms. Manisha Kalsait	SRPCOE, Nagpur	13/03/2019	Project
Generation of Electricity from domestic water supply line	Mr. Shubham Mohurle Mr. Pratik Bhivgade Mr. Akshay Shahare Mr. Nitin Nasre Mr. Mohit Gaikwad	Priyadarshini Bhagwati college of Engg, Nagpur	06/03/2019	PPT Competition
Solar Water Heter using waste plastic bottles and PVC pipes	Mr.Tarun Chaudhari Mr.Shubham hatwar Ms.Mayanka Dhengle Mr. Harshal Khadse Mr. Adity Chalpe	Priyadarshini Bhagwati college of Engg, Nagpur	06/03/2019	PPT Competition

Best paper Award	Dr Mrs A R Chaudhari	International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Tasken t,Uzbekisthan	30/05/2019	Technical
Best Young Researcher Award	Dr Ms R N Nandanwar	International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Tasken t,Uzbekisthan	30/05/2019	Technical
Best Young Researcher Award	Dr Mrs A R Golhar	International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Tasken t,Uzbekisthan	30/05/2019	Technical
Best paper Award	Ms K D Ganvir	International Conference on Science Engineering Technology organised by Society for Technologically Advanced Materials of India at Tasken t,Uzbekisthan	30/05/2019	Technical
GOKART competition	Mr Chaitanya Bandhate and Team of 30 students	BFKCT Season 2,Hyderabad	28/02/2019	Technical in Autocross Event
GOKART competition	Mr Chaitanya Bandhate and Team of 30 students	K.D.K.C.E., Nagpur	15/02/2019	Technical Skidpad Even

GOKART competition	Mr Chaitanya Bandhate and Team of 22 students	BFKCT Season 1,Coimbatore	03/08/2018		Technical National Level
Laboratory study of waste management by using method of plant extraction	Ms. Kajal Pustode Ms. Sayli Narse Ms. Shraddha Yeole Ms. Pragati Dakhole Ms. Manisha Kalsait	I Year,PBCOE Nagpur	28/02/2019		Project
Laboratory study of waste management by using method of plant extraction	Ms. Kajal Pustode Ms. Sayli Narse Ms. Shraddha Yeole Ms. Pragati Dakhole Ms. Manisha Kalsait	Department of Civil Engg. PBCOE	06/03/2019		Project
Academic Excellence Award	PBCOE,Nagpur	Asia Today Research Media, New Delhi	06/04/2019		Education
Poster	Harshal Khandait, Kshitij Ingole	Priyadarshini college of Engg, Nagpur	31/01/2019		Technical
Model/ Project: Solar water heater	Soumya Gudadhe, Tushar Tembhare	Vidarbha Vaibhav (Abhudoya 19)	24/02/2019		Technical
Pregafriends	Tuba Khan, Soumya Gudadhe, Tushar Tembhare, Soumy Mishra, Nikhil Bopche	Girls script India Summit	16/12/2018		Technical
Model/ Project: Solar water heater	Soumya Gudadhe, Tushar Tembhare, Soumy Mishra, Nikhil Bopche, Ratnesh Singh	Priyadarshini Bhagwati college of Engg, Nagpur	26/02/2019		Technical
Model/ Project: Light Sensor Tap Water	Nikhil Khobragade	Priyadarshini Bhagwati college of Engg, Nagpur	26/02/2019		Technical
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NA	NA	NA	NA	12/03/2019
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards		
State	National	International
1	6	4

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

Name of the Department	Number of PhD's Awarded
Nil	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	BE I Year	9	3.62
National	Department of Information Technology	1	0
National	Department of Mechanical Engineering	3	0
National	BE I Year	4	0
International	Department of Computer Science Engineering	18	5.13
International	Department of Electronics and Communication Engineering	1	5.36
International	Department of Information Technology	8	4.99
International	Department of Mechanical Engineering	34	2.85
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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
Department of Computer Science Engineering	3
Department of Electronics and Communication Engineering	1
Department of Information Technology	3
Department of Civil Engineering	4
BE I Year	18
Department of Mechanical 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
Analysis and Characterizations of Modified Caesalpinia Bonduc (MCB) Seed Coat in the Process of Defluoridation	Dr. Ranjit N. Patil	Springer Publication Smart Technologies for energy environmental and sustainable development	2019	0	Department of Civil Engineering Priyadarshini Bhagwati College of Engineering NagpurIndia	8
Optimization study of defluoridation from water using seashell powder	Dr. Ranjit N. Patil	AIP Publication Conference Proceeding	2019	0	Department of Civil Engineering Priyadarshini Bhagwati College of Engineering Nagpur India	8
Seismic analysis of multi storey SMRF building in Zone III and Zone V	Prof. N. B.Thikare	Journal of Adv. research in dynamical and control systems	2019	0	Department of Civil Engineering Priyadarshini Bhagwati College of Engineering Nagpur India	8
			[View Uploaded File](#)			

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
Study of performance of steel and Polypropylene Fibre reinforced concrete	Prof. A. Sorte	International Journal of engineering and advanced technology	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Analysis	Dr.	Springer	2019	2	8	

and Characterizations of Modified Caesalpinia Bonduc (MCB) Seed Coat in the Process of Defluoridation	Ranjit N. Patil	Publication Smart Technologies for energy environmental and sustainable development				Department of Civil Engineering Priyadarshini Bhagwati College of Engineering Nagpur India
Optimization study of defluoridation from water using seashell powder	Dr. Ranjit N. Patil	AIP Publication Conference Proceeding	2019	2	8	Department of Civil Engineering Priyadarshini Bhagwati College of Engineering Nagpur India
Testing, Performance and Comparative Analysis of Household Refrigerator Working with Conventional Condenser and Spiral Coil Tube Shaped Condenser Using Refrigerant R134A EcoFriendly Refrigerant HC12A	Nishikant Adkane, Sandeep Pimpalgaonkar, Saroj Borkar, Manish Moroliya	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Future of Nanotechnology	Shubhangi Gurway, Pranjali Tete	AIP Conference Proceedings	2019	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Design and calculation of various components	A.D.Anjikar Aditya Wani Savesh Mankar	AIP Conference Proceedings	2019	0	0	Priyadarshini Bhagwati College of Engineerin

of GOKART syaste	Hitesh Bhude					g,Nagpur
Structural and morpho logical ch aracteriza tion of mixed spinel nano ferrites and CaW nano hexaf errite	Dr. (Mrs) A. R. Golhar	Internat ional Journal of Current en gineering and scientific research	2019	0	0	Priyadar shini Bhagwati College of Engineerin g,Nagpur
Molecular Docking Technique Assisted Discovery of Some Hy droxylated Chalcone Molecules as ?glucos idase Inhi bitors"	Dr.A.C. Haldar	Research Reviews: A Journal of Drug Design Discovery,	2019	0	0	Priyadar shini Bhagwati College of Engineerin g,Nagpur
ProteinT yrosine Ph osphatase1 B (PTP1B) Inhibitory Perspectiv es of Hydr oxylated Chalcones: Exploratio n through Docking Studies"	Dr.A.C. Haldar	Research Reviews: A Journal of Bioinforma tics	2019	0	0	Priyadar shini Bhagwati College of Engineerin g,Nagpur
Hydroxyl ated Chalcone D erivatives as Future Aldose Reductase Inhibitors : Discovery through Docking Technique"	Dr.A.C. Haldar	Research Reviews: Journal of Computatio nal Biology	2019	0	0	Priyadar shini Bhagwati College of Engineerin g,Nagpur
Exploring	Dr.A.C. Haldar	Drug discovery	2018	0	0	Priyadar shini

the antiinflammatory potentials of N ((5(((1,3dioxoisoindolin2 yl) methyl) amino)1,3,4 thiadiazol 2yl)methyl) benzamid						Bhagwati College of Engineering,Nagpur
Uracil Substitution on a Hippuric Acid Containing 1,3,4thiadiazole Scaffold: The Exploration of the AntiHyperglycaemic Potential	Dr.A.C. Haldar	International Journal of Medical Science in Clinical Research and Review	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Exploring the antibreast cancer (against MCF7 Cell Line) potentials of uracil substituted hippuric acid based 1,3,4 thiadiazole compound	Dr.A.C. Haldar	International journal of pharmacy life sciences	2019	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Polymer hollow spiral evaporative cooling system with Peltier effect technology to reduce the health Risk	Prof. Rahul Bhoyar	Research and Development in machine design	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur

Title	Author	Journal	Year			Institution
Adjustable height belt conveyor for small scale food processing unit	Prof. Rahul Bhoyar	International Journal of engineering and advanced technology	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Polymer hollow spiral evaporative cooling system with Peltier effect technology to reduce the health Risk	Prof. Swapnil Bhadang	Research and Development in machine design	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Design and analysis of Go KART chassis	Prof. Swapnil Bhadang	International Journal of Current Engineering And Scientific Research	2019	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Adjustable height belt conveyor for small scale food processing unit	Prof. Swapnil Bhadang	International Journal of engineering and advanced technology	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
A case study on carbon sequestration in and around Nagpur city	Prof. Dipali Chaudhari	International Journal of Research and scientific innovation	2018	0	0	Priyadarshini Bhagwati College of Engineering,Nagpur
Seismic analysis of multi storey SMRF building in Zone III and Zone V	Prof. N. B.Thikare	Journal of Adv. research in dynamical and control systems	2019	0	8	Department of Civil Engineering Priyadarshini Bhagwati College of Engineerin

					g Nagpur India

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	12	31	3	0
Presented papers	34	9	0	0
Resource persons	9	1	0	0

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
"Human right Indian Judiciary System"	Tech trainers and testers Pvt. Ltd.Pune	6	200

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
Smart India Hackathon	Students selected for grand finaley, Dehradun	AICTE	6

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
NSS	Rashtrasant Tukdoji Maharaj Nagpur University	Vrukshadindi	2	30
NSS	Rashtrasant Tukdoji Maharaj Nagpur University	Voter awareness Rally	2	30
NSS	Rashtrasant Tukdoji Maharaj Nagpur University	Donate Organ Rally	2	30

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
STTP on Machine Learning using Python	21	Self Financed	5
Live Project at ITNetworkZ Infosystem Pvt Ltd Nagpur	4	NA	240
Live Project at NEERI Nagpur	1	NA	270
Competitive study of cost analysis for ground improvement by stabilization of subgrade soil and borrow area murum	5	NA	5

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
Internship	Internship	PWD, Sub Divisional Office, 4 Nagpur Ph. No 07122562546	15/05/2019	15/06/2019	10
Internship	Internship	Viranshi Construction Engineering, Nagpur vikas kumarsah@gmail.com Ph. no 7276510780	15/05/2019	15/06/2019	2
Internship	Internship	KMV Projects Ltd., Nagpur projects@kmvgroup.com Ph. No. 91 4030171111	22/12/2018	21/06/2019	8

Internship	Internship	CAD Desk, Nagpur www.ienagpur.in Ph. no. 8605434709/8329835739	07/01/2019	27/06/2019	6
Internship	Internship	WRD, Chandrapur e ecid.chandprwrd@maharashtra.gov.in Ph. No. 07172255898	10/05/2019	17/06/2019	1
Internship	Telecommunication concepts and wireless Technology	ETE Services Pvt.Ltd.,Nagpur. P No.135, Amar Nagar, Near Uday Nagar Besa, Pipla NAGPUR Nagpur MH 440034 Contact No: 8788737361, 9921230144 Mail: electrotechers@gmail.com	01/12/2018	30/12/2018	09
Internship	Various Aspects of Television Communication Engineering	PrasarBharti Doordarshan Kendra,Nagpur. Seminary Hills ,Nagpur440006 Phone No.07122510227	10/12/2018	21/12/2018	4
Internship	Internship	Vidyut Loco shed,Ajani,Central Raiway,07122 7453792 srdeetrs@ngp.railnet.gov.in	24/12/2018	29/12/2018	1
Internship	Role of Optical Fiber Splicer (QP NO.TEL/Q6400)	Regional Telecom Training Centre,Nagpur Communication Road, Seminary Hills, Nagpur, Maharashtra 440006	10/12/2018	24/12/2018	1

		Phone: 0712 251 1444			
Live Project for MTech II Year	Creating 3D City Model for Chandrapur City using GIS and Remote Sensing Techniques.	NEERI Nagpur. Name of the Guide: Mr Asheesh Sharma, Sr. Scientist Mobile:9763630 993	01/11/2018	30/04/2019	1
Live Project	Enquiry Automation System	ITNetworkz Infosystem Pvt Ltd Nagpur, RPTS Road, Laxminagar, Nagpur. Mr Dipak Dhote, Project Head. Mobile: 9665999900	02/07/2018	28/02/2019	4
Live Project	Chatbot Enquiry System	Persistent Systems Pvt Ltd Nagpur, Anasuya Chat topadhyay, 8605605202	01/07/2018	28/02/2019	02
Live Project	Competitive study of cost analysis for ground improvement by stabiliza tion of subgrade soil and borrow area murum	Geotech services Mr. Deshmukh: Ph. No. 9423406697	01/08/2018	30/03/2019	05
Internship	Various Television and Communic ation Engg techniques	Doordarshan Kendra Nagpur, Dire ctor(Engg), Seminary Hills, Nagpur 440006 Tel: 07122510227	10/12/2018	21/12/2018	07
Internship	Project Internship	RentMart IT Services Pvt Ltd Nagpur, Plot	15/12/2018	15/06/2019	02

		No 5, Block No A/2 Ayurvedic College Complex, Nagpur			
Internship	Web Designing	ETE Services Pvt Ltd Nagpur,Beside Kshitij IIT Institute,Sai Saurabh Apartment Omkar Nagar Square , Nagpur,440027 Contact : 8788737361, 9921230144, 8055201911 Email : electrotechers@gmail.com	01/12/2018	30/09/2019	01
Intersnhip	Intersnhi	Railway Locoshed Ajni Nagpur Division, Central Railway, Ajni, Nagpur. Mr Rastogi, Section Engineer BTC Dept. Mob:9503012564	07/01/2019	12/09/2019	03
Internship	Broadband Services	BSNL, Nagpur., Dr Manish Shukla, General Manager, Training, RTTC, BSNL, Seminary Hills, Nagpu	01/02/2019	30/09/2019	01
Internship	Network Administration and Cloud	Jetking Nagpur, Mr Shivam, Technical Head, 07122767898,09168108899,8007649977	26/06/2018	25/06/2019	01
Internship	Internet	WebKruti	20/05/2019	09/06/2019	01

	of Things	Nagpur, Mr Harish Chopkar, Training Manager, 2nd Floor, Plot No 351, Great Nag Road, Baidyanath Square, Nagpur. 8237733112, 7387990061			
Internship	Software Engineering	Kavin Technology Services, F5A 102/201 Akansha RPTS Road, Laxminagar Nagpur Phone :07126464622	01/06/2018	30/06/2018	01
Internship	Project Development using PHP	SoftroniX Nagpur, 2nd Floor, Shravan Ganga Building, Nandanvan Main Road, Nandanvan Colony, Nagpur 440024, Besides Jankidevi School, Nr. SBI Bank 968276045, 9765073480	17/12/2018	17/01/2019	04
Internship	Internship	Indo Rama Synthetics (l) Ltd., MIDC, Butibori, Nagpur Tel:07104663000/ Fax: 07104663200	23/05/2018	22/06/2018	04
Internship	Internship	Indo Rama Synthetics (l) Ltd., MIDC, Butibori, Nagpur Tel:0	03/08/2018	30/09/2018	09

		7104663000/ Fax: 07104663200			
Internship	Internship	Basic Training Center Diesel Loco shed Ajni Nagpur Tel:07122745379/Fax:07122745379	15/12/2018	22/12/2018	13
Internship	Internship	Unnati Vehicles Pvt Ltd, Nagpur Tel:07122760003, Mob:8600008899	15/06/2018	22/06/2019	02
Internship	Internship	Vidyut Loco Shed Ajni Nagpur Tel:07122745379/Fax:07122745379	17/12/2018	22/12/2018	03
Internship	Internship	Central Railway Nagpur	11/06/2018	17/06/2018	04
Internship	Internship	Vidyut Loco Shed Ajni Nagpur 07122745379	24/12/2018	29/12/2018	04
Internship	Internship	Aerocom Automotives PVT LTD. MIDC Nagpur Tel:07104232202/Fax: 07104232201	16/08/2018	16/01/2019	13
Internship	Internship	Vidyut Loco Shed Ajni Nagpur Tel:07122745379/Fax:07122745379	07/01/2019	12/01/2019	03
Internship	Internship	NTPC Mouda Nagpur Tel:0712281223	21/05/2018	20/06/2018	02
Internship	Internship	HINDALCO Industries LTD Mouda Tel:07115660715	22/05/2018	21/06/2018	01
Internship	Internship	PELICAN ROTOFLEX Pvt	22/05/2018	22/06/2018	04

		Ltd Rajkot, Gujrat Tel:0 2827287422/F ax:282728749 9			
Internship	Internship	Vigo Technoworld Pvt Ltd 8983112403	02/06/2018	31/08/2018	03
Internship	Internship	Advance In fotech,Nagpu r 9373106604	01/08/2018	15/09/2018	02
Internship	Internship	Live Wire Technology,N agpur 18004250220 info@livewir eindia.com	01/01/2019	31/01/2019	01
Internship	Internship	Dotwin Tec hnologies,Pu ne 91 70300 27723	25/05/2019	25/06/2019	05
Internship	Internship	Passel,Nag pur 77200250 75/76 aptech .nagpur@ gmail.com	27/05/2019	29/06/2019	01
Internship	Internship	BSNL,Nagpur rttcnagpur@b snl.co.in 07122510373	18/06/2019	29/06/2019	03
Internship	Internship	Vidyut Loco Shed Ajni Nagpur 07122745379 srdeetrs@ngp .railnet.gov .in	31/12/2018	05/01/2019	01
Industrial visit	Industrial visit	Mahanand Dairy, MIDC Nagpur	23/08/2018	24/08/2018	90
Industrial visit	Industrial visit	Reliance power ltd., MIDC, Butibori, Nagpur	23/02/2019	23/02/2019	40
Industrial visit	Industrial visit	Topworth Urja and Metals ltd., Ukkarwadi, umred, Nagpur	26/02/2019	26/02/2019	40

Industrial visit	Industrial visit	HCL Technologies, MIHAN Nagpur	29/08/2018	29/08/2018	68
Industrial visit	Industrial visit	Jetking Nagpur, Mr Shivam, Technical Head, 071227 67898,091681 08899,800764 9977	05/01/2019	05/01/2019	20
Industrial visit	Industrial visit	Jetking Nagpur, Mr Shivam, Technical Head, 071227 67898,091681 08899,800764 9977	24/01/2019	24/01/2019	13
Industrial visit	Industrial visit	SmartData Enterprises (I) Ltd., Mihan,	21/02/2019	21/02/2019	30
Industrial visit	Industrial visit	Industrial Tour at Infoshore Jaipur	01/03/2019	01/03/2019	20
Industrial visit	Industrial visit	Mahagenco koradi power plant	16/03/2019	16/03/2019	43
Industrial visit	Industrial visit	Analogics Tech India Ltd., Hyderabad	13/02/2019	13/02/2019	34
Industrial visit	Industrial visit	Surveying Camp at Ideas Nature and Advanture Camp Gharpad near Linga Gaon, kalmeshwar, Nagpur Mr. Udam Singh Yadav Ph. No. 9823028244	28/02/2019	02/03/2019	43
Industrial visit	Industrial visit	Site Visit at Commercial Building at Manish Nagar,	02/02/2019	02/02/2019	59

		Nagpur Er. Manish Sapate Ph.No. 9890838696			
Industrial visitIndustrial visit	Industrial visit	Residential Building, Chitnis Nagar, Nagpur Ph. No. 8999381869	05/03/2019	05/03/2019	38
Industrial visit	Industrial visit	WTP, Gorewada, Nagpur Dy Engineer (EM) Email:sdhqww@gmail.com	05/09/2018	05/09/2018	60
Industrial visit	Industrial visit	Ready Mix Concrete Plant, Pardi, Nagpur	30/08/2018	30/08/2018	56
Internship	Internship	Excellent Constructions, Nagpur excellencyconstructions@gmail.com Ph. No.07122717856	11/05/2019	11/06/2019	6
Internship	Internship	Geotech Services Pvt. Ltd., Nagpur info@geotechservices.in Ph.No. 8308834512	23/08/2018	03/06/2019	4
Internship	Internship	TECHOPS Infrastructure Pvt. Ltd., Nagpur Email:techopsinfra@gmail.com Ph. No.	13/05/2019	12/06/2019	1
Internship	Internship	Government of Maharashtra, Hydrology Project Division, Nagpur Email	22/05/2019	22/06/2019	2

Internship	Internship on Python	ETE Services Pvt. Ltd., Nagpur electroteches@gmail.com	25/05/2018	25/06/2018	3
Internship	Internship	Choudhari Construction, Nagpur Ph. No 9325669113	20/05/2019	20/06/2019	1
Internship	Internship	PWD, Nagpur Ph. No. 0712 274 4387	15/05/2019	15/06/2019	10
Internship	Internship	Sumangal Housing Developers and Builders, Nagpur www.sumangalhousing.com Ph. No. 07122461332	03/05/2019	03/06/2019	2

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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
Jetking Pvt Ltd Mahal Nagpur	01/09/2019	Industrial Visit, Aptitude Test	104
Samara University Russia	30/05/2019	To promote research interaction and cooperation, to provide resource persons for guest lecture,visit of faculty members to the institute,to offer technical consultancy	9
CMS IT Services,Nagpur	10/04/2019	Seminar,Workshop, STTP	64

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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
1200000	1176823

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
No file uploaded.	

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	17227	5938277	1086	535869	18313	6474146
Reference Books	1498	371979	16	15560	1514	387539
e-Books	9561	196300	0	0	9561	196300
Journals	66	210790	63	224565	129	435355
e-Journals	745	39500	745	13570	1490	53070
CD & Video	645	0	24	0	669	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	Date of launching e-

		is developed	content
Mr D B Khadse	Water Jug Problem in Artificial Intelligence	YouTube Video	25/04/2019
Ms S S Wankhede	FCFS Scheduling algorithm	YouTube Video	25/04/2019
Dr P R Bokde	How to plot Root Locus using Matlab	YouTube Video	07/04/2018
Dr P R Bokde	Matrix Operation Using Matlab	YouTube Video	07/04/2018
Dr P R Bokde	Variable in Matlab	YouTube Video	01/03/2018
Dr P R Bokde	Conversion of State Space Model to Transfer Function	YouTube Video	09/04/2018
Dr P R Bokde	MATLAB Built in Functions for arrays	YouTube Video	06/04/2018

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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	7	50	0
Added	0	0	15	0	0	0	0	15	0
Total	585	24	65	24	1	1	7	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
200000	233251	1300000	1284347

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, WiFi 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. Eresource 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.

http://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	256	1382000
Financial Support from Other Sources			

a) National	Government Scholarships for SC ,ST,OBC,VJ,NT,EBC,S BC and Minority Students	1004	55863185
b)International	NA	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
Expert Lecture on Computer Network and Data Communication.	27/07/2018	49	Mr. Prabuddhya Sanyal,Network Engineer, ITNetworkZ Infosystems Pvt.Ltd.,Nagpur
Seminar Preparation of GRE and TOEFL	14/07/2018	71	Mr. Mehul Balsaraf,Alumni of PBCOE, Persuing M.S. From University of Texas , USA.
LAN Gaming	28/07/2018	18	IT Department
Quiz Competition	14/07/2018	24	IT Department
Workshop on Website Hosting and Development	21/07/2018	52	Mr. Nilesh Gupta, Manager, N R Solution4U Pvt. Ltd.
Guest Lecture on Networking and Devices	27/07/2018	55	Mr Prabudhha Sanyal, ITNetworkZ Infosystems Pvt Ltd Nagpur
Quiz Competition	28/07/2018	100	CSE Department
C Coding Competition	28/07/2018	60	CSE Department
MEDC Internship Drive	01/10/2018	59	Mr.Pratik Dudhat, Business Manager, MEDC Pvt Ltd Nagpur Mr. Mukul Tijare, Developer Ms. Neharika Samarth, (dot) . Net Developer Ms. Anjali Bawankar, HR
Guest Lecture on Web Design: Tools and Technology	01/09/2018	44	Mr Sumit Mungale, Pixel Design Arts, Nagpur
Guest Lecture on Emerging Trends in Information	23/08/2018	50	Mr Dipak Dhote, Operations Manager, ITNetworkZ

Technology			Infosystems Pvt. Ltd. Nagpur
Guest Lecture on C and Python	05/01/2019	59	Tejas Pateliya, GlobalLogic Nagpur
Workshop on Computer Aided Design	10/08/2018	24	Mr. Akshay Dhoble
Workshop on STAAD Pro.	10/02/2019	32	Mr. Akshay Dhoble
Expert Lecture on Auto CAD	30/08/2018	36	Er. Kanchan Raut
Expert Lecture on Application of BIM	23/08/2018	70	Mr. Atul Kute
Expert Lecture on Application of BIM	11/09/2018	36	Mr. Akshay Dhoble
Expert Lecture on Emerging Trends in Building Design	15/02/2019	75	Mr. Akshay Dhoble
Expert Lecture on Application of BIM on Nagpur Metro	29/01/2019	75	Mr. Kaustubh Kalbande
Expert Lecture on 3D printing 3D scaning	12/02/2019	35	Mr. Gajanan Pradhan
Soft Skill Development	02/08/2018	217	Department
Bridge Courses	30/07/2019	223	College
Innovation Club	28/03/2019	158	College
Yoga Meditation	01/08/2018	370	Department
Lakshya (Soft Skill Development Programm for Final Year Students)	02/07/2018	62	Priyadarshini Center of Excellence
TCS Enquode Test	10/07/2018	70	TCS Pvt Ltd
Face Online Test Series	20/08/2018	30	FACE Pvt Ltd
Workshop on Robotic process automation	06/09/2018	60	Automation Anywhere
Career Guidance Seminar on Higher Studies (MBA/MS/M.Tech)	29/01/2019	54	Career Launcher Pvt Ltd
Face online test	09/02/2019	54	FACE Pvt Ltd
Jetking Aptitude Test	15/02/2019	81	Jetking, Nagpur
Career Opportunities After Engineering by	26/02/2019	47	TIME

TIMES			
International Yoga Day	21/06/2019	47	NSS Cell,Faculty and Students.
Self Empowerment Program by Mr. Gopavrinda Pala Das, Akshay Patra	25/01/2019	38	College
Mathematics Day	26/02/2019	150	Department
Workshop on Personality development of non teaching staff	24/05/2019	38	College
Remedial Coaching(BE I Year)	03/10/2018	262	College
Remedial Coaching(IT Deptt.)	21/08/2018	73	Department
Remedial Coaching(EN Deptt.)	01/07/2019	10	Department
Teacher Mentoring	18/06/2018	1209	College
Lakshya	05/07/2018	120	PCOE, Nagpur
Project management	10/07/2018	33	Tech Trainer and tester, Pune
Orientation of Code Vita	11/07/2018	292	TCS
RTL Design	12/07/2018	79	Maven silicon
TCS Orientation	13/07/2018	450	TCS
Intership Drive	19/07/2018	68	Advance Infotech
Opportunities for Electronics Engg.	19/07/2018	50	Invora Technologies Pvt Ltd., Nagpur
C language	17/08/2018	88	College
EPAM Test	20/08/2018	38	EPAM Test
English Verbal Ability	24/08/2018	90	HR Mentor
TCS Specific Training	27/08/2018	133	FACE PVT LTD
International Design Competition	03/10/2018	193	CADD Centre
Orientation on AMCAT	05/10/2018	59	Aspiring Mind
Internship cum placement drive	05/10/2018	54	Sapalogy , Nagpur
Career Guidance	29/01/2019	27	Career launcher, Nagpur
TnP Orientaion	02/02/2019	229	TnP cell,PBCOE and LTJSS, Nagpur
Career	26/02/2019	140	TIME, Nagpur

Opportunities after Engineering			
Online Test	28/02/2019	184	EPIC
Career Based aptitute Test	06/03/2019	228	Livewire, Nagpur
Seminar on Career Guidance	29/01/2019	27	Mr. Kunal Gajbhiye, Director CL,Nagpur
One day workshop on Networking Concepts	25/01/2019	34	Mr. Yash Rajurkar, Director, ITA,Nagpur. Mr. Mangesh Ganvir
Internship Drive by MEDC Pvt. Ltd. Pune	01/10/2018	33	Mr.Pratik Dudhat, Business Manager, MEDC Pvt Ltd Nagpur Mr. Mukul Tijare, Developer Ms. Neharika Samarth, (dot) . Net Developer Ms. Anjali Bawankar, HR
BLIND C Competition	01/09/2018	30	Department
Seminar on Current Trends in Software Industry and Motivational Speech on Discovery of Passion.	24/08/2018	74	Mr. Atul Palandurkar , Director Ancyber Pvt Ltd and Motivational Trainer.
Seminar on Emerging Trends in Information Technology	23/08/2018	76	Mr. Deepak Dhote,Operations Manager, ITNetworkZ Infosystems Pvt.Ltd.,Nagpur
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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
2018	Lakshya(Soft Skill Development Programm for Final Year Students)	0	120	0	22
2019	Career Opp ortunities After	0	47	0	0

2018	Engineering by Times.				
2018	Project management	0	33	0	10
2018	Orientation of Code Vita	0	292	0	25
2018	TCS Orientation	0	450	0	15
2018	Interniship Drive	0	68	0	0
2018	Opportunit ies for Electronics Engg.	0	50	0	20
2018	C language	0	88	0	29
2018	EPAM Test	0	38	0	0
2018	English Verbal Ability	0	90	0	32
2018	TCS Specific Training	0	133	0	2
2018	Orientation on AMCAT	0	59	0	0
2018	Internship cum placement drive	0	54	0	0
2019	Seminar on Career Guidance	0	27	0	8
2019	TnP Orientaion	0	229	0	43
2019	Career Opp ortunities after Engineering	0	140	0	0
2019	Online Test	0	184	0	0
2019	Career Based aptitute Test.	0	228	4	0
2018	Introduction to Entrepren eurship development.	0	37	0	0

| 2018 | Preparation for NDA Exams. | 34 | 0 | 0 | 0 |

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
19	390	204	Conneqt , Persistent Systems Ltd. ,Bonaz , Infocepts , Redmi , Collabera Services Pvt. Ltd. , Money India Research , Syntel , Byzu , Motif India Infotech Pvt. Ltd. , GADE Capital Services	390	134

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
2018	1	BE in Computer Science Engineering	Computer Science Engineering	Priyadarshini Bhagwati College of Engg,Nagpur	MTech CSE
2018	1	BE in Computer Science Engineering	Computer Science Engineering	ICFAI Business School,Mumbai	MBA HR
2018	1	BE in Computer	Computer Science	Institute for future	MBA

2019	1	BE in Civil Engineering	Civil Engineering	VMIT, COE, Nagpur	M.Tech in Structural Engineering
2018	1	BE in Electronics & Communication	Electronics & Communication	RTMNU's Oberoi Centre for Excellence	Post Graduate Diploma in Industrial Robotics
2019	1	BE in Electronics & Communication	Electronics & Communication	RTMNU's Oberoi Centre for Excellence	Post Graduate Diploma in Industrial Robotics
2019	1	BE in Information Technology	Information Technology	PG diploma in Cloud Computing	PG department of Robotics

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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	2

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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
Krida Mahotsav	College	774
Speech Competition on account of Lokmanya Tilak Punyatithi	College	13
Girls Script India Summit2018	National	190
Elocution Competition by Loksatta Nagpur	National	2
Yuvarang oraganized by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	University	41
Hackathon, Idea / Project competition organized by Mayor Innovation Council, Nagpur	State	47
Smart India Hackathon(Software Edition) 2019 Grand Finale Competition	National	6

Installation of Forum "SPANDAN" (singing, dancing, traditional show)	College	190
ABHIYAAN (singing, dancing,, one minute show)	College	175
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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
2019	II Runner Up	National	1	0	101	Abhishek Samatkar
2019	II Prize	National	0	1	102	Bhargavi Khrwade
2018	I Prize	National	0	1	103	Shalom Sonekar
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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 "Bandhan" with registration number F35620(N) contributes significantly to the development of the institute through various activities. Alumni meet is a gathering of pass 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 an enhance relationship with alumni and among alumni. Through Alumni Association "Bandhan", 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 scheduled. 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 inplant 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 startups in different sectors, many of them are first generation entrepreneurs. Many alumni have also decided to become entrepreneurs during their academic span at PBCOE. Our Alumni in association with PBCOE are engaged in conducting social activities for the welfare of the society through Donations in the form of Books, Blankets, Chairs, Mats, Storage containers, Stationary.

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 "Bandhan" every year. "Bandhan" 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.

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 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. 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. The B.E. First year Dept has a forum name "Abhiyaan", Dept of CSE has the forum named "Technodiaz", Dept of IT has a forum named "Advitiya", Dept of Civil Engineering has a forum named "Avishkar", Dept of Mechanical Engg has a forum named "Sankalp", Dept of EC has a forum named "Asconic".

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
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.
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.
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.
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.
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.
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.
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 proposalsaresubmittedtoAICTEunderAQI Sforprojectsandconduction 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.

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

E-governace area	Details
Examination	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. 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.
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.
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.

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
2019	Dr.(Mrs.) A. R. Chaudhari	National Conference on Chemistry for high efficiency material	NA	1200

2019	Dr.(Mrs.) A. R. Chaudhari	ICMBAT	NA	1000
2019	Dr.(Ms.)R. A. Nandanwar	NA	STAMI	2000
2019	Dr. A. C. Haldar	ICMBAT	NA	1000
2018	Dr.(Mrs.)A. R. Golhar	International Conference on Multifunctional Advanced Materials	NA	3500
2018	Dr.(Mrs.)A. R. Golhar	Introduction to Indian Patenting Programme (FDP)	NA	600
2019	Dr.(Mrs.)A. R. Golhar	ICMBAT	NA	1000
2018	Dr.(Mrs.)A. R. Golhar	Introduction to Indian Patenting Programme (FDP)	NA	600
2019	Dr.(Mrs.)A. R. Golhar	ICMBAT	NA	1000
2019	Dr.(Mrs.)A. R. Golhar	NA	STAMI	2000
2019	Ms. U. V. Gaikwad	ICMBAT	NA	4500
2018	Dr.(Mrs.)A. R. Golhar	International Conference on Multifunctional Advanced Materials	NA	3500
2019	Ms. U. V. Gaikwad	FDP	NA	200
2019	Ms. U. V. Gaikwad	NA	STAMI	2000
2019	Mr D B Khadse	International Conference on Science,Engineering and Technology at Tashkent	NA	45000
2019	Mr. D. V. Jamthe	International Conference on Science,Engineering and Technology at Tashkent	NA	45000
2019	Ms D P Radke	International Conference on Science,Engineer	NA	45000

		ing and Technology at Tashkent		
2019	Mr K N hande	AICTE ISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Ms. A. A. Nikose	AICTE ISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr D B Khadse	AICTE ISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr D V Jamthe	AICTE ISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr D P radke	AICTE ISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr V P Gaikwad	AICTEISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr S S Wankhede	AICTEISTE approved STTP on Machine Learning using	NA	2500

		Python in Association with Monkfox BangaloreAICTEISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore		
2019	Ms S Tiwari	AICTEISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Ms A Tikle	AICTEISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Ms M Mate	AICTEISTE approved STTP on Machine Learning using Python in Association with Monkfox Bangalore	NA	2500
2019	Mr D B Khadse	One week FDP on Machine IntelligenceApproaches and Implementation	NA	1200
2019	Mr D V Jamthe	STTP on Open Source Technologies	NA	1200
2019	Ms R Dagade,D Radke	IEEE Sponsored International Conference Indiacom 2019 at Delhi	NA	10000
2019	Ms A A Nikose	NPTEL Online Certification Course on Cryptography Network Security	NA	1200

2019	D B Khadse	NPTEL Online Certification Course on Cryptography Network Security	NA	1200
2019	Ms S S Wankhede	NPTEL Online Certification Course on Design and Analysis of Algorithms	NA	1200
2019	Mr V P Gaikwad	NPTEL Online Certification Course on Machine Learning for Engg and Science Applications	NA	1200
2019	Mr D V Jamthe	NPTEL Online Certification Course on Cryptography Network Security	NA	1200
2019	Ms D P Radke	NPTEL Online Certification Course on Industrial IoT	NA	1200
2019	Ms R P Dagade	NPTEL Online Certification Course on Introduction to Industry 4.0 and Industrial IoT	NA	1200
2019	Ms A Tikle	NPTEL Online Certification Course on Artificial Intelligence	NA	1200
2019	Ms S Tiwar	NPTEL Online Certification Course on Cloud Computing	NA	1200
2019	Ms M Matey	NPTEL Online Certification Course on Cryptography Network Security	NA	1200
2018	Dr Ms D M Kate	International Conferance on	NA	1000

2018	Ms P G Gawande	International Conferance on Multinational Role of Basic Science in Advanced Technology ICMBAT2018	NA	1000
		Multinational Role of Basic Science in Advanced Technology ICMBAT2018		
2018	Ms.A.P.Thakare	International Conferance on Multinational Role of Basic Science in Advanced Technology ICMBAT2018	NA	4500
2018	Ms T Pathan	15th world conferance on applied science ,Engineering Tech. On 30th to 31th December 2018	NA	10250
2019	Mr. A.D. Anjikar	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Mr. A.D. Anjikar	NA	Society for Technologically Advance Materials of India (STAMI) LM175	2000
2019	Ms. K. D. Ganvir	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Ms. K. D. Ganvir	NA	Society for Technologically Advance Materials of India (STAMI) LM175	2000
2018	M.S.Chaudhari	One week FDP on Blockchain	NA	1500

		Technology		
2019	Dr Mrs R A Pimple	STTP on Machine Learning using Python	NA	2500
2019	Ms A Lokhande	STTP on Moodle	NA	1500
2019	Ms A Lokhande	STTP on Machine Learning using Python	NA	2500
2019	Ms A Lokhande	International Conf. on Computing for sustainable Global Development	NA	3500
2019	Dr Mrs A R Chaudhari	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Dr Ms R A Nandanwar	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Dr Mrs A R Golhar	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Dr N K Choudhari	International conference on Science Engineering Technology ICSET2019	NA	45000
2019	Dr. Ranjit N. Patil	AIP Conference at KDKCOE,Nagpur	NA	2500
2019	Prof. N. R. Gautam	AIP Conference at KDKCOE,Nagpur	NA	2500
2019	Dr. Ranjit N. Patil	STTP at YCCE, Nagpur	NA	1500
2019	Dr. Ranjit N. Patil	STTP at SCOET, Nagpur	NA	1000
2019	Prof.	STTP at	NA	1000

2019	Prof. T.R.Patil	SCOET, Nagpur			
2019	Prof. T.R.Patil	STTP at YCCE, Nagpur	NA		1500
2019	Prof. N. R. Gautam	STTP at SCOET, Nagpur	NA		1000
2019	Prof. A.M.Sadafale	STTP at SCOET, Nagpur	NA		1000
2019	Dr.(Mrs.) A. R. Chaudhari	NA	STAMI		2000
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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)
2019	Curriculum Development Workshop of Applied Chemistry in collaboration with RTM, Nagpur University.	NA	18/06/2019	18/06/2019	30	0
2019	Two Days Workshop on Registration and Filing of Copyrights in India	NA	29/04/2019	30/04/2019	44	0
2019	3 Days FDP on Hands on LATEX	NA	11/06/2019	13/06/2019	23	0
2019	NA	Workshop on Personality development of non teaching staff	24/05/2019	24/05/2019	0	38
2019	AICTEISTE approved STTP on Machine	NA	02/04/2019	06/04/2019	21	0

| 2019 | Oneweek ISTE AICTE Approved Short Term Training Program, on "Emerging Trends in Industrial Computer Networking through Windows Server " In Association with CMS IT Services, Nagpur | NA | 01/04/2019 | 06/04/2019 | 28 | 0 |
| 2019 | International Conference on Science Engineering Technology organizedi n association with Society for Techno logically Advanced Materials of India at Taskent ,Uzbekisth an | NA | 30/05/2019 | 01/06/2019 | 9 | 0 |

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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
FDP(NPTEL Online	1	01/01/2019	04/04/2019	120

Certification) on Medicinal Chemistry				
STTP on Design of Experiments for Engineers and Researchers	3	10/12/2018	14/12/2018	5
Seminar On Environmental Management : Challenges and solution	2	28/09/2018	29/09/2018	2
FDP on "Recent Trends in Networking (CCNA CCNP)" : Opportunities and Challanges	1	10/12/2018	15/12/2018	6
STTP on "Smart Systems and Sensors : From simple sensing to Internet of Things(IOT) and Cyber physical systems"	1	22/10/2018	27/10/2018	6
STTP on "Machine Learning using Python"	1	02/04/2019	06/04/2019	5
Workshop on "Artificial Intelligence and Deep Learning"	1	11/08/2018	13/08/2018	3
Workshop on Understanding the Econometrics methodology and Debate on overestimation of India's GDP since 2011	1	08/07/2019	08/07/2019	1
Workshop of Research Funding Horizon 2019	1	24/04/2019	24/04/2019	1
Workshop on Anandshala for Ph.D.Supervisors of RTM Nagpur	1	25/01/2019	25/01/2019	1

University, Nagpur.				
Seminar On Student centric learning apart from Chalk and Talk	2	24/01/2019	24/01/2019	1
Workshop on atom probe tomography and Its applications	1	03/12/2018	03/12/2018	1
Workshop on NAAC's revised Accreditation Frame work	2	25/08/2018	25/08/2018	1
Recent Trends in Networking (CCNA CCNP): Opportunities Challenges	2	10/12/2018	15/12/2018	6
Emerging Trends in Industrial Networking Through windows Server	8	01/04/2019	06/04/2019	6
Advanced School of Anteenas2019	1	20/06/2019	24/06/2019	5
STTP on Machine Learning by using Python	14	02/04/2019	06/04/2019	6
Workshop on Latex for Paper Writing	28	11/06/2019	13/06/2019	3
Workshop on Registration and Copyright filling	43	29/04/2019	30/04/2019	2
FDP on Machine IntelligenceApproches and Implementation	1	26/11/2018	01/12/2018	7
One week workshop on Advances in Computer Network	3	10/12/2018	14/12/2018	5
One Day workshop on art	3	29/12/2018	29/12/2018	1

of Witting Research paper				
STTP on Open Source Technology	2	22/10/2018	27/10/2018	6
STTP on Blockchain Technlogy	3	03/12/2018	08/12/2018	6
Design of solar photovoltaic system	1	26/11/2018	30/11/2018	5
Product design and analysis using CATIA and ANSYS	1	24/12/2018	24/12/2018	1
Student Centric learning apart from Chalk and talk	2	24/01/2019	24/01/2019	1
Advance course in machine learning and Artificial intelligence	1	22/04/2019	26/04/2019	5
Innovation and research in CAD/CAM and 3D printing	1	22/04/2019	27/04/2019	6
Global perspective to achieve low carbon built environment	1	06/05/2019	11/05/2019	6
Effective teaching and learning through Moodle	2	03/06/2019	08/06/2019	6
Course on Global Perspective to achieve Low Carbon Built Environment	1	06/05/2019	11/05/2019	6
Quest for the best	1	11/06/2018	14/06/2018	4
Sustainable urbanisation (Infra CE 2018)	1	27/07/2018	28/07/2018	2
Patent	3	04/08/2018	04/08/2018	1

Filling				
Learveraging information modeling for construction Engineering and Management	2	03/12/2018	07/12/2018	5
Design of Experiment for Engineers and Researchers	1	10/12/2018	14/12/2018	5
Advance Course in Machine Learning and Artifitial Intelligence	1	22/04/2019	26/04/2019	5
STTP on Discrete Mathematics Graph Theory using Python Progamming SAGE Math	1	24/04/2019	26/04/2019	3

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
58	29	6	22

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

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	1000000	For the purpose of training and placement activities, student activities and staff training programmes.

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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 One day workshop on personality development for non teaching staff. 2) Appreciation and felicitation of ladies supporting staff on account of Womens day. 3) Financial awareness program for supporting staff.

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

1) Installation of elevator for faculty and students as per the recommendation of NAAC peer team. 2) Decision to install solar panel on college building roof is finalized. 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.

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	Two Days Workshop for students Industry Based Networking	04/01/2019	04/01/2019	05/01/2019	72
2019	Three Days Workshop on LATEX.	12/06/2019	12/06/2019	14/06/2019	28
2019	Workshop on Personality development of non teaching staff	14/05/2019	14/05/2019	14/05/2019	38
2019	Installation of Innovation Club at college level	28/02/2019	28/02/2019	28/02/2019	158
2019	Bridge course on Effective Co mmunication for 12th Appeared Students.	01/04/2019	01/04/2019	30/04/2019	60
2018	Meeting of Internal Quality Assurance Cell	19/06/2018	19/06/2018	19/06/2018	21
2018	Meeting of Internal Quality Assurance Cell	12/10/2018	12/10/2018	12/10/2018	20
2019	Meeting of Internal Quality Assurance Cell	02/01/2019	02/01/2019	02/01/2019	21

2018	Timely submission of AQAR 201718	21/09/2018	21/09/2018	21/09/2018	21
2019	Academic and administrative audit	12/07/2019	12/07/2019	12/07/2019	23
2018	Feedback and its analysis of Odd Semester	13/08/2019	13/08/2019	13/08/2019	712
2018	Feedback and its analysis of I semester	26/09/2018	26/09/2018	26/09/2018	198
2018	Feedback and its analysis of Even Semester	20/02/2019	20/02/2019	20/02/2019	823
2019	Certificate course on Java Programming	21/02/2019	21/02/2019	20/03/2019	30
2019	Certificate course on Linux and Shell Programming	21/02/2019	21/02/2019	20/03/2019	30
2019	Certificate course on Hands on VHDL using Altera Quartus DE II board	28/02/2019	28/02/2019	30/03/2019	30
2019	Certificate Course in R Programming	27/02/2019	27/02/2019	30/03/2019	29
2019	Free Certification Course on general aspects in Civil Engg.	29/03/2019	29/03/2019	23/04/2019	30
2019	Certificate course on Concept and	02/03/2019	02/03/2019	31/03/2019	15

	application of hydraulics machines				
2019	Certificate course on Advance in Operation Research	05/03/2019	05/03/2019	05/04/2019	18
2019	Certificate course on Advanced Trends in Ma nufacturing Processes	02/03/2019	02/03/2019	31/03/2019	30
2019	AICTEISTE approved STTP on Machine Learning using Python in association with Monkfox, Bangalore	02/04/2019	02/04/2019	07/04/2019	21
2019	One week Short Term Training Program for staff Emerging Trends in Industry Based Networking Through windows based server.	01/04/2019	01/04/2019	06/04/2019	28
2019	Two Days workshop on Copyrights Registration and Filling in India	29/04/2019	29/04/2019	30/04/2019	42
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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
Expert Seminar on "Gender Sensitization"	03/08/2018	03/08/2018	62	0
Elocution Competition on topic " Gender Equality for the benefit of Society	12/01/2019	12/01/2019	20	35
Rangoli Competition on the topic " Save Girl Child"	25/01/2019	25/01/2019	42	6
Guest lecture on the topic " Promotion of equal Opportunities for Men and Women in Society"	02/02/2019	02/02/2019	65	90
Women's Day Celebration- Panel discussion on "Healthy Women for Healthy Society"	08/03/2019	08/03/2019	118	0

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)Rain water harvesting system has been installed and the rain water which was otherwise wasted is collected and after proper treatment it is utilized for gardening.2) the solid waste generated in campus is properly disposed off by collecting it in solid waste disposal unit.3) Tree plantation is carried out through out the year inside the campus and also in the the nearby areas to create environmental consciousness.4) 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.5) Use of LED bulbs in campus 6) Awareness is created in the campus to save water and electricity 7) Faculty and students are encouraged to use public transports or share vehicles so as to save fuel.8) 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
Rest Rooms	Yes	0
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	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
2019	1	1	14/02/2019	1	Career Counselling and Mock CET Test for XII Class Students at Bhagwati Girls High School and Jr College,Nagpur	Career Prospects after 12th	44
2019	1	1	05/02/2019	1	Career Counselling and Mock CET Test for XII Class Students at Jyotiba Jr College,Nagpur	Career Prospects after 12th	55
2019	1	1	25/03/2019	1	Career Counselling and Mock CET Test for XII Class Students at Anand Niketan Jr College,Warora	Guidance to students inRural area	15
2019	1	1	16/03/2019	1	Career Counselling for XII Class Students	Guidance to students in Rural	10

2018	1	1	10/10/2018	1	Distribution of drawing books and Crayans at Sanjay Gandhi Hindi Primary School Nagpur	contribution of study material for needy students	50
2018	1	1	10/10/2018	1	Distribution of medicines at Home for aged and Handicap people, Untkhana Road, Nagpur	Help for needy old people	10

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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	01/06/2018	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.
Code of conduct for teachers	01/06/2018	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 parents	01/06/2018	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.
Guidelines for Alumnies	01/06/2018	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 invited they should attend the alumni meet and give their valuable suggestions.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
A seminar on To reduce China's import in India by helping local talent to improve Indian Economy	15/03/2019	15/03/2019	70

. Founder's Day Celebration	10/10/2018	10/10/2018	65
ADVENT Orientation Programme for BE First Year students	02/08/2018	02/08/2018	300
Induction program	30/07/2018	04/08/2018	187
Quiz competition	15/02/2019	15/02/2019	114
Bridge course on effective communication	01/04/2019	30/04/2019	60
Celebration of Mathematics Day	06/02/2019	06/02/2019	101
Social Awareness program on Ban on plastic bags	22/02/2019	22/02/2019	29
Career counseling activities	05/02/2019	25/03/2019	123
Awareness activity program of Human Rights , Indian Judiciary System Constitution of India	22/09/2018	22/09/2018	150
Essay and debate competition on Life Journey of Mahatma Gandhi	02/10/2018	02/10/2018	30
Speech competition on account of Death anniversary of Lokmanya Bal Gangadhar Tilak	01/08/2018	01/08/2018	13
Swachh Bharat activity	04/11/2018	04/11/2018	50
Voter Awareness program	16/02/2019	16/02/2019	200
Woman Day Celebration	08/03/2019	08/03/2019	250
Social Awareness program on Ban on plastic bags .	22/02/2019	22/02/2019	50
Yoga Meditation	01/08/2018	03/08/2018	370
Bhagwati Devi Punyatithi	29/07/2018	29/07/2018	100
Teachers Day Celebration	05/09/2018	05/09/2018	70
A guest lecture on Current Trends	24/08/2018	24/08/2018	60

in Software Industry and Motivational speech on discovery of passion			
A guest lecture on SelfEmpowerment	05/03/2019	05/03/2019	70

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

Tree Plantation Programs .
Solid Waste management .
No Tobacco Pledge, ban on use of plastic bags,separate dust beans for collection of e waste.
Conduction of green audit.
Improvement in rain water harvesting system.
Awareness program on save water save electricity.

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 teachinglearning. 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, elearning 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 teachinglearning process by attending the classes of teachers and suggests the improvement if required. To make the teachinglearning 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 problemsolving 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, problemsolving, 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. 3. 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 etiquettes. 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 201819 more than 60 (281)students are placed in various reputed companies. 6. Problems Encountered and Resources Required Problems Encountered : Creating interest and awareness among students regarding importance of Employability 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 Employability Enhancement trainer are available at Sanstha level and college level. Psychological counseler 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 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: Since in our institute students from poor background are use to admit and they lack in communication and soft skills, since 2011, the institute started organizing various skill development programs for all students through external experts and experts in our sister concern institutes. These programs 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 used to meet students and take review of their studies and other related issues. The mentors used to convey the academic progress of students to their parents. In case of any issue the institute has a special counsellor and in that case counsellor guides the students. The overall impact of this activity is very fruitful. It helped students to establish themselves properly and parents are getting updates of their wards on regular basis. 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. 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.