



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		BAPURAO DESHMUKH COLLEGE OF ENGINEERING, SEVAGRAM
Name of the head of the Institution		Dr. Girish Vishweshwarrao Thakre
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07152284378
Mobile no.		9970089261
Registered Email		princi.bdces@gmail.com
Alternate Email		gvthakre@gmail.com
Address		Near Bus Stand, Sevagram, Tah. Dist. Wardha
City/Town		Sevagram
State/UT		Maharashtra
Pincode		442102

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Prof. R.J.Dahake
Phone no/Alternate Phone no.	07152284378
Mobile no.	9422140248
Registered Email	iqac.bdce@gmail.com
Alternate Email	rajaykr@rediffmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	_http://www.bdce.edu.in/Utility/ShowPDFAQAR/1
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.bdce.edu.in/Utility/Download/AcademicCalender

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.70	2018	26-Sep-2018	25-Sep-2023

6. Date of Establishment of IQAC	01-May-2014
---	--------------------

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
Academic Audit of	10-Mar-2020	80

Institute	3	
Organization of National TechFest WheelSpin 2020 for Students	21-Feb-2020 1	1398
Feed back obtained from students	20-Feb-2020 8	25
Feed back obtained from teaching faculty	20-Feb-2020 8	20
Feed back obtained from alumni	20-Feb-2020 8	25
Orientation Program Ethical Hacking and Cyber Security	30-Jan-2020 3	35
Regular meeting of Internal Quality Assurance Cell (IQAC)	13-Jan-2020 1	17
Submission of data for AISHE	01-Jan-2020 45	10
Regular meeting of Internal Quality Assurance Cell (IQAC)	14-Oct-2019 1	17
Regular meeting of Internal Quality Assurance Cell (IQAC)	15-Jul-2019 1	16
View File		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2019 0	0
NIL	NIL	NIL	2020 0	0
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
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 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)	
<ul style="list-style-type: none"> • Successfully organized Seven Workshops, Three on line Faculty Development Programmes , Two online Seminars and 1 National Conference. • Collection of Data for management Information System of the college from students, teachers and staff and also compiling and arranging the data for registration of all students and teachers online teaching learning web platforms in the COVID lock down period to promote uninterrupted teaching learning process in the college. • Participation in Margdarshan Scheme of AICTE. • Campus Recruitment Training (CRT) program which resulted into 101 placements. • Strengthened the Community Outreach Programmes and Institutional Social Responsibility during lock down because of COVID19 pandemic situation. 	

[View File](#)

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
6) Emphasis on Students in-plant Training /Internship	Student participation in in-plant training improved.
5) Formation of Professional Chapter of Indian Society for Applied Mechanics(ISAM)	Linkage with NITS through various activities and participation has been established
4) Implementation of ERP	ERP for centralized working of college is implemented successfully.
3) Skill improvement programs organized	Organized various skill programs for the students to improve practical skills such as soft skills, aptitude, employability, technical, Python,Latex,Android applications,Artificial intelligence,entrepreneurship awareness , etc. Employability Skills enhanced.
2) National Level Tech-Fest WHEELSPIN-2020	National level paper presentation competition and other various activities were conducted for students. More than 1000 students participated in various activities. Paper presentation skill and technical competency of the students improved.
1) Organizing Short Term Training Programmes (STTP and FDPs)	1) One week online faculty development program on LaTeX organized by Electrical Engineering Department. 2)

Online faculty development program on Q CAD software organized by Mechanical Engineering Department. 3) One week faculty development program on Moodle learning Management System organised by Mechanical Engineering department Practical and academic performance of the faculty and students was improved. 2) FDP organized on Cloud and Computing by Computer Engineering Department. Practical and academic performance of the faculty and students was improved

[View File](#)

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Governors (Governing Body)	13-Dec-2020

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

25-Feb-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Institution is using Sack Info 2.5 ERP software from January 2019. This software is designed maintained by SyNchRonik Inc. Software Company located at Nagpur. Currently institute is utilizing 17 operational modules. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management, Academic Monitoring, Training Placement, Central Library, Various Events, Estate Management, Android App Students and Android App Faculty.

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

The institution has meticulously developed action plans for the effective implementation of the curriculum. At the outset, the Principal conducts meeting with the various heads of departments to develop strategies for effective implementation of the curriculum. At the beginning of each academic year, the affiliating University provides guidelines about the dates of commencement and end of the semester, schedule of theory and practical examinations and holidays. Academic Monitoring Committee prepares the Academic Calendar which is finalized by the IQAC. Each department conducts departmental meeting in the beginning of every semester under the guidance of HOD with all the faculty members. The objective of conducting the meeting is to discuss and chalk out the action plan for effective implementation of the curriculum. Every department also prepares its own academic calendar in accordance with the College Academic Calendar. The syllabus of courses is discussed and allocated to appropriate faculty member to handle and justify it. Faculty members get enough time to study the subject, to prepare the course file, notes, PPT, question bank and other materials. Teaching plan is prepared well in advance topic-wise with understanding of the blueprint of the course. Faculty member is deputed for orientation program of new courses so they can impart it to the students effectively. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars and industrial visits besides the regular/traditional chalk and talk methods. Time-table is prepared by the faculty under the guidance of HOD in consideration of curriculum of the course. As a part of the curriculum, students are given assignments and are assessed regularly to keep them focused and upgraded. Most of the time faculty members use PPT along with discussion and brain storming sessions. The technical projects of BE students are allocated by the faculty members as per their area of interest and experience. Project progress is regularly monitored. The students are given a choice to opt the elective courses listed in the university curriculum. Industrial visits, seminars, workshops, paper presentations are planned and executed depending on the need of the curriculum. Monthly attendance report is displayed and the defaulter students are instructed. Parents meeting is conducted once in a semester. At the end of every month, Head of Department collects the information related to syllabus coverage and laboratory work coverage. In addition to the curriculum, students are educated about the latest developments in their respective fields by arranging expert lectures, guest lectures, industrial and field visits, etc. For analyzing the effectiveness of teaching learning process, students' feedback is conducted in every semester. Continuous evaluation of students is carried out by conducting regularly Class Tests, Quiz, and Pre University Test. Resource planning is carried out before commencement of the term. Stock verification of laboratories, need of new equipment & instruments, software, and repair of existing instruments is identified. Quotations are called for and sent to central office for further process of procurement. Mentor- Mentee scheme is also implemented effectively.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Python 3.4.3	--	01/07/2019	60	Employability	Software Skill

Scilab	--	01/07/2019	60	Employability	Software Skill
LaTeX	--	01/07/2019	60	Employability	Software Skill
C and Cpp	--	01/07/2019	60	Employability	Software Skills
Open FOAM	--	01/07/2019	60	Employability	Software Skill
Q cad	--	01/07/2019	60	Employability	Software Skill
Python 3.4.3	--	01/01/2020	60	Employability	Software Skill
Scilab	--	01/01/2020	60	Employability	Software Skill
LaTeX	--	01/01/2020	60	Employability	Software Skill
C and Cpp	--	01/01/2020	60	Employability	Software Skill
Open FOAM	--	01/01/2020	60	Employability	Software Skill
Q cad	--	01/01/2020	60	Employability	Software Skill
Blender	--	01/01/2020	60	Employability	Software Skill
RDBMS	--	01/01/2020	60	Employability	Software Skill
eSim	--	01/01/2020	60	Employability	Software Skill
Gedit text Editor	--	01/01/2020	60	Employability	Software Skill
Advance C	--	01/01/2020	60	Employability	Software Skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	No Programme or Course introduced in academic year 2019-20	Nil
View File		

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
MBA	Masters of Business Administration	08/08/2019

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

	Certificate	Diploma Course
Number of Students	1496	Nil

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
NIL	Nil	Nil
View File		

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	Civil Engineering(First Shift)	64
BE	Electronics & Power Engineering(First Shift)	47
BE	Computer Engineering(First Shift)	20
BE	Electronics & Telecommunications Engineering (First Shift)	20
BE	Mechanical Engineering (First Shift)	37
MBA	M.B.A.(First Shift)	40
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	No

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

Feedback Obtained
<p>There is a formal mechanism to obtain feedback from stakeholders on curriculum and facilities. Questionnaires for different stakeholders viz. Students, Teachers and Alumni are prepared, approved by the Institute level committee and circulated to the stakeholders. Feedback is taken from the students in each semester in the prescribed format. Feedback analysis is carried out for improving teaching learning process. Students are asked to rate on different parameters related to teaching-learning i.e. communication skill, presentation skill, technical knowledge, practical knowledge, etc. For each parameter student has to rate out of 5. The average score of parameter describes the overall performance in teaching-learning. Students' feedback on facilities is also taken. The Feedback committee analyzes the responses and prepare report on rating and remarks. Head of the concerned department communicates the feedback</p>

on teaching learning to individual faculty member through letter and sends the summary report to the Principal. Similarly, the Alumni Feedback and Teachers Feedback is taken on various parameters and they are asked to rate the parameters. The average score of rating is taken and remarks are also noted. The summary report is sent to the Principal. The Principal calls the meeting of all Heads of the department, IQAC Coordinator and Internal Members of the College Development Committee for discussion on the summary reports of different feedback. After brain storming session action plan is prepared by the Principal to take the corrective measures on the findings of feedback analysis.

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	Civil Engineering(First Shift)	90	54	54
BE	Computer Engineering(First Shift)	124	104	104
BE	Electronics and Power Engineering (First Shift)	108	39	39
BE	Electronics and Telecommunication Engineering(First Shift)	122	14	14
BE	Mechanical Engineering (First Shift)	194	49	49
Mtech	M Tech CAD/CAM(First Shift)	18	5	5
Mtech	M Tech Computer Science and Engineering (First Shift)	18	11	11
Mtech	M Tech VLSI(Second Shift)	18	4	4
Mtech	M Tech Structural Engineering (Second Shift)	18	17	17
Nill	More than TEN Programmes hence data is provided in	Nill	Nill	Nill

[file option](#)

[View File](#)

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
2019	1204	166	81	9	5

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	Number of smart classrooms	E-resources and techniques used
95	95	9	8	3	16

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

In order to assist students in their studies and to monitor their academic performance on regular basis, students' mentoring has become an essential tool in the modern technical educational system. Therefore, BDCE has developed and implemented a Mentor Mentee Scheme. This scheme aims at enabling, fostering and nurturing constructive and positive interaction, guidance and mentorship of students by the faculty members. It operates to facilitate regular dialogue between teachers and students. In this scheme a faculty member is designated as Mentor and is assigned a batch of 15 to 20 students who are referred as Mentees. This allotment of a batch to a mentor is for a period of one academic year for two consecutive semesters and next year again new allotment is made. The Head of Department and First Year BE Co-ordinator is the Chief Mentor in this system. The mentor works as a friend, philosopher, adviser and guide for his mentees. He keeps the track of every mentee's day to day activities and behavioral aspects. He identifies weak areas of mentee's personality and work out proper remedies in consultation with Chief Mentor, teachers and parents. He provides emotional support to mentees on individual basis and helps them to overcome home sickness. He establishes a rapport between mentees, teachers and parents. Mentor organizes weekly follow up meetings with his mentees to review academic and overall performance of the mentees. The Chief Mentor organizes monthly follow up meeting with Mentors and suggest some remedial measures to the mentors if asked for. Mentor note down the minutes of every meeting mentioning mentees' problems and remedial measures taken upon. He maintains complete record of his mentees in the Mentor's Diary and submits the diary to the Chief Mentor at the end of semester. The Head of Department keeps the record of all such Mentor's Diaries semester wise in his office. First year students have mentors from the departments of Basic Sciences and Second, Third, Fourth Year students have mentors from the parent department. The mentors conduct meeting with the mentees, whereby they are acquainted with the institution and department, its vision, mission, and goals, the facilities available, code of conduct and other regulations. This helps the students realize their responsibilities at the early stage itself. This scheme is further continued by all parent departments from second year onwards. A separate mentoring and counseling hour is kept for each class in the timetable.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1370	95	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
124	67	57	Nil	Nil

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	NIL	Nil	NIL
2020	NIL	Nil	NIL
View File			

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
MBA	1-1357620356	2nd Sem/First Year	Nil	10/09/2020
MBA	1-1357620356	4th Sem/Final Year	30/10/2020	26/11/2020
Mtech	1-1357620354, 1-1357620364, 1-1357620360, 1-1357620358, 1-1357620362	2nd Sem/First Year	Nil	21/09/2020
Mtech	1-1357620354, 1-1357620364, 1-1357620360, 1-1357620358, 1-1357620362	4th Sem/Final Year	25/09/2020	26/10/2020
BE	1-2181615647, 1-1357620332, 1-1357620334, 1-1357620338, 1-1357620340	2nd Sem/First Year	Nil	05/09/2020
BE	1-2181615647, 1-1357620332, 1-1357620334, 1-1357620338, 1-1357620340	4th Sem/Second Year	Nil	08/09/2020
BE	1-2181615647, 1-1357620332, 1-1357620334, 1-1357620338, 1-1357620340, 1-1357620329	6th Sem/Third Year	Nil	09/09/2020

BE	1-2181615647, 1-1357620332, 1-1357620334, 1-1357620338, 1-1357620340, 1-1357620329, 1-1360447811.	8th Sem/Final Year	19/10/2020	12/11/2020
----	---	-----------------------	------------	------------

[View File](#)

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

Continuous Internal Evaluation (CIE) and project work are the internal modes of assessment. The college being affiliated to RTM Nagpur University, Nagpur adheres to its syllabus. An academic calendar clearly specifies the date/time of various academic activities. Semester examinations are held as per RTMNU examination schedule at the semester end. The valuation system has two components viz. 1. The Continuous Internal Evaluation (CIE) 2. The End Semester Examination (ESE) The ratio of Weightage is 20 in CIE and 80 in ESE for UG (for theory) and 30 in CIE and 70 in ESE for PG (for theory). For practical, it is 50 each for both UG and PG. For effective implementation of CIE system at institutional level, three class tests are conducted in odd semester and two class tests with one PreUniversity Test in even semester. Each class test based on two units of RTMNU syllabus. In addition to class tests, CIE component also includes MCQs, home assignments, Lab Exercises. The marks obtained in every CIE component are shown to students along with their answer scripts by the teacher concerned before the marks are forwarded to examination section. It also promotes the student to participate in mini project, model exhibition, programming skill competitions, competitive examinations, higher studies, mega projects, technical paper presentation, workshop, seminar etc. Students are encouraged to get involved in industry sponsored projects as a part of their curriculum in final year. The institute organizes parent meet and also communicates progress report of their ward to parents.

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

The institute being affiliated to RTM Nagpur University, Nagpur adhered to the syllabus of University. The academic calendar published by the affiliating university forms the basis for designing the college academic calendar. An academic calendar clearly specify commencement date and last working date, instructional days, and dates for conduction of the internal assessment tests and Extracurricular Co curricular activities to take place during the academic session. It is notified prior to the commencement of the academic session. The Principal of the institution conducts meetings regularly with the HODs to develop various strategies for effectiveness in curriculum. As per curriculum, courses are allotted to faculty members well in advance. Department wise time table is prepared and displayed on notice boards along with academic calendar. The portfolios are allotted to faculty members for the effective implementation of teaching learning process. Every faculty member prepares teaching/ laboratory plan in advance. Faculty members maintain the attendance record for theory/ laboratory course. Students are informed about the continuous assessment policy in the beginning of every semester. The Class Test, Quiz, Practical and Oral examinations are conducted before University Examination. Students and parents are informed about their performance by notifying it on Notice board and in parent meets. The college collects feedback from the students formally as well as informally on quality of teaching, resources etc.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the

institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.bdce.edu.in/Utility/ShowPDF/21>

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
Nil	Nil	More than Ten Records hence data is provided in File Option	Nil	Nil	Nil
1-1357620362	Mtech	Structural Engineering (Second Shift)	11	11	100.00
1-1357620358	Mtech	Computer Science and Engineering (First Shift)	6	6	100.00
1-1357620360	Mtech	VLSI (Second Shift)	3	3	100.00
1-1357620364	Mtech	CAD/CAM (First Shift)	1	1	100.00
1-1357620340	BE	Mechanical Engineering (First Shift)	90	90	100.00
1-1357620338	BE	Electronics and Telecommunication Engineering (First Shift)	35	35	100.00
1-1357620334	BE	Electronics and Power Engineering (First Shift)	41	41	100.00
1-1357620332	BE	Computer Engineering (First Shift)	66	66	100.00
1-2181615647	BE	Civil Engineering (First Shift)	57	57	100.00

[View File](#)

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)

<http://www.bdce.edu.in/Utility/ShowPDF/34>

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
Major Projects	0	NIL	0	0
International Projects	0	NIL	0	0
Students Research Projects (Other than compulsory by the University)	0	NIL	0	0
Projects sponsored by the University	0	NIL	0	0
Industry sponsored Projects	0	NIL	0	0
Interdisciplinary Projects	0	NIL	0	0
Minor Projects	0	NIL	0	0

[View File](#)

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
NIL	NIL	

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
Making of Digital Short Film on Social Distancing	Mr. Mayur Bajait	Nagpur City Police, Nagpur	23/05/2020	Participation Award in Short Film Festival
Online Poster Competition on Awareness and Safety about Covid-19	Mr. Harshal Pradhan	Bapurao Deshmukh College of Engineering, Sevagram	22/05/2020	2nd Rank

National Level Article Writing contest -2020	Ms. Gauri Mahalle	Bapurao Deshmukh College of Engineering, Sevagram	11/05/2020	Participation Award
Manual Robotics at AXIS`20	Mr. Akshay Bhonge, Mr. Nayan Wanjari, Ms. Sneha Dukare	VNIT, Nagpur	01/03/2020	2nd rank in Manual Robotics
Crepido at AXIS`20	Mr. Akshay Bhonge, Mr. Nayan Wanjari, Ms. Sneha Dukare	VNIT, Nagpur	01/03/2020	1st rank in Crepido
Technovision 12.0	Mr. Akshay Bhonge, Mr. Nayan Wanjari, Ms. Sneha Dukare, Ms. Ankita Chandak	Shri Ramdeobaba College of Engineering Management, Nagpur	30/08/2019	1st Position in Area 51
Security Competition at Hackathon 2.0	Mr. Akshay Bhonge, Ms. Sneha Dukare	Mayor Innovation Award, NMC, Nagpur	24/08/2019	Merit Certificate in Security Competition
Bridge Building Competition at Antaheen 19.0	Mr. Akshay Bhonge, Mr. Nayan Wanjari, Ms. Sneha Dukare, Ms. Rani Budhbaware	Yashwantrao Chavan College of Engineering., Nagpur	24/08/2019	2nd rank in Bridge Building competition
View File				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	11
Electronics Telecommunication Engineering	11
Physics	1
Chemistry	2

Mathematics	1
--------------------	----------

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	Computer Engineering	1	4.3
International	Masters of Business Administration	2	6.4
View File			

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
Electronics Telecommunication Engineering	1
Computer Engineering	6
View File	

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
NIL	NIL	NIL	2019	0	NIL	Nil
NIL	NIL	NIL	2020	0	NIL	Nil
View 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
NIL	NIL	NIL	2020	Nil	Nil	NIL
NIL	NIL	NIL	2019	Nil	Nil	NIL
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	34	55	148	Nil
Presented papers	5	2	Nil	Nil
Resource persons	Nil	Nil	Nil	1
View File				

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
Awareness and Counselling Programme regarding COVID-19 Pandemic for staff, students and parents	NSS Unit of Institution	10	80
Distribution of kits containing mask, Sanitizer and Handwash to Pavnar Gram Panchayat	NSS Unit of Institution / Unnat Bharat Yojana of Central Government	5	10
Distribution of kits containing Sanitizing Machine to Sevagram Gram Panchayat	NSS Unit of Institution / Unnat Bharat Yojana of Central Government	8	15
Distribution of kits containing Mask, Sanitizer and Handwash to Sevagram, Warud, Mhasala and Alodi Gram Panchayats	NSS Unit of Institution / Unnat Bharat Yojana of Central Government	8	10
Awareness Programme - "Fuel and Energy saving by Engineers"	NSS Unit of Institution / Petroleum Conservation Research Association of Ministry of Petroleum Natural Gas, Govt. of India	7	63
National Level Awareness Programme 2020 - Build The Enterprise of Your Dreams	NSS Unit of Institution	7	86

[View File](#)

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
Digital Short Film Festival on Social Distancing	Participation Award	Nagpur City Police, Nagpur	1
Awareness Programme "Fight	Appreciation Award	Indian Association for the	1

against CORONA Virus" for person with Visual Challenges		Blind	
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
COVID-19 Pandemic Awareness	NSS Unit of Institution	COVID-19 Awareness and Counselling Program for staff, students and parents	10	80
Swachh Bharat Abhiyan	NSS Unit of Institution/Unnat Bharat Yojana of Central Government	Distribution of kits containing Mask, Sanitizer and Handwash to Pavnar Gram Panchayat	5	10
Swachh Bharat Abhiyan	NSS Unit of Institution/Unnat Bharat Yojana of Central Government	Distribution of kits containing Sanitizing Machine to Sevagram Gram Panchayat	8	15
Swachh Bharat Abhiyan	NSS Unit of Institution/Unnat Bharat Yojana of Central Government	Distribution of kits containing Mask, Sanitizer and Handwash to Sevagram, Warud, Mhasala and Alodi Gram Panchayat	8	10
View File				

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
NIL	0	NIL	0
View File			

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	Duration From	Duration To	Participant

		/research lab with contact details			
Internship	Summer Internship	Total 22 Records , data is provided in File Option	17/05/2019	20/07/2019	62
Internship	Winter Internship	Total 31 Records ,data is given in File Option	13/10/2019	16/04/2020	148
On Job Training	Summer Training	Total 02 Records, data is provided in File Option	20/05/2020	20/06/2020	02
On Job Training	Winter Training	Total 11 Records, data is provided in File Option	01/12/2019	05/01/2020	71
Project Work	Industrial Visits	Total 02 Records, data is provided in File Option	19/07/2019	06/03/2020	143
Sharing of Research Facilities	Research	Total 08 Records , data is provided in File Option	17/12/2019	16/04/2020	83
View File					

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
Cloudblitz Technologies, Nagpur	05/03/2020	Internship, development on DevOps, Webinar, Guest Lecture	25
S S Future Energy, Gond Plot, Wardha	16/03/2020	Training, Guest Lectures, Site visits	17
View File			

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
12	7.75

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
View File	

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
SLIM	Fully	3.00	2002
Sack Info 2.5 ERP	Fully	2.5	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32776	5942564	109	45385	32885	5987949
Reference Books	2085	1359862	Nill	Nill	2085	1359862
e-Books	1095	10058	Nill	Nill	1095	10058
Journals	54	89379	Nill	Nill	54	89379
e-Journals	4	1567207	Nill	Nill	4	1567207
Digital Database	2	11500	Nill	Nill	2	11500
CD & Video	2321	174075	Nill	Nill	2321	174075
Library Automation	1	124231	Nill	Nill	1	124231
Weeding (hard & soft)	1070	175000	Nill	Nill	1070	175000

Others(s pecify)	11105	4533328	Null	Null	11105	4533328
View File						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. A. N. Thakare	1. Design and Analysis of algorithm 2. Distributed system and Grid Computing for online teaching (Institutional Learning Management System)	E-contents are developed using Microsoft Office Power Point and launched it on online platform like Google meet and Google Classroom	01/04/2019
Miss. K. V. Warkar	Expert System Design for online teaching (Institutional Learning Management System)	E-contents are developed using Microsoft Office Power Point and launched it on online platform like Google meet and Google Classroom	01/04/2019
Mr. A. D. Gotmare	1. System Software 2. Gaming Architecture and Programming for online teaching (Institutional Learning Management System)	E-contents are developed using Microsoft Office Power Point and launched it on online platform like Google meet and Google Classroom	01/04/2019
Mr. A. R. Dandekar	1. Enterprise Resource Planning 2. Software Testing and Quality Assurance for online teaching (Institutional Learning Management System)	E-contents are developed using Microsoft Office Power Point and launched it on online platform like Google meet and Google Classroom	01/04/2019
Mr. A. R. Welekar	Microprocessor for online teaching (Institutional Learning Management System)	E- contents are developed using Microsoft Office Power Point and launched it on online platform like Google meet and Google Classroom	01/04/2019

[View File](#)

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	477	13	410	1	1	1	6	50	0
Added	0	0	0	0	0	0	0	0	0
Total	477	13	410	1	1	1	6	50	0

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

50 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
NPTEL	http://www.nptelvideos.in
Spoken Tutorial	https://spoken-tutorial.org
Swayam	https://swayam.gov.in
NMEICT	https://www.it.iitb.ac.in/nmeict/home.html
Intershala	https://www.internshala.com
Coursera	https://www.coursera.org

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 incurred on maintenance of physical facilities
33.5	33.3	39	27.73

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)

1. **Laboratory:** A faculty in charge of Lab and a laboratory assistant looks after the maintenance of respective laboratory. They are also involved in preparing the budget for the required consumables, new equipment and repairs. The laboratory equipments are serviced and maintained by the equipment suppliers on annual maintenance contract agencies. Inspections of the instruments/equipments are carried out on a regular basis. 2. **Library:** All books are accessioned by the serial number of accession, classified subject wise and shelved in the rack according to call numbers regularly. Stock verification is carried out annually. 3. **Building:** Building maintenance is carried out by the office of Estate Manager. 4. **Sports complex:** It is maintained by the Sports officer with the support of Estate Manager. 5. **Computers:** Power back up facility is provided through 63 KV Diesel Generator. On line UPS are also provided for backing power. Hardware Assistant is employed to look after other works related with Computers. 6. **Internet:** Internet related

matters like daily band width, usage, band width allocation, sharing etc. are a maintained by a team of technical assistants under the supervision of Head of Computer Engineering.7. Class Rooms: Class Rooms and Seminar Halls are maintained by the departmental attendants under the supervision of their HODs.

<http://www.bdce.edu.in/Utility/ShowPDF/36>

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	NIL	0	0
Financial Support from Other Sources			
a) National	1. Post-Matric Free ship, Scholarship 2. Minority Scholarship,3. Tribal Students Scholarship and Free ship, 4. Vasatigrubh Nirvvah Bhatta etc.	1228	73104376
b)International	NIL	Nil	0

[View File](#)

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
Data of total 28 Records given in File Option Format : Yoga Day (01),Elocution competition(01), Expert Lectures(04), Workshops(08),Guest Lectures(04), Internship(01) Motivational Talk(01), Interaction(01), Peer Teaching (01), Webinars(06)	Nil	1390	Total 28 as given in File Format

[View File](#)

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	Number of benefited	Number of students who	Number of studentsp placed
------	--------------------	---------------------	---------------------	------------------------	----------------------------

		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
2019	Data of 05 Records of guidance for Competitive Examination is given in File Format	513	Nil	16	Nil
2019	Data of 12 Records of guidance for Career Counseling is given in File Format	Nil	844	Nil	124
View File					

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
1	1	40

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
1. Angle Brocking Ltd. 2. Antsglobe Technologies LLP 3. Capitalvia Global Research Ltd 4. CINIF Tech. Ltd, 5. CMS IT Services Pvt Ltd 6. Lokesh Mahajan Ltd 7. PinkClick Property Management Pvt. Ltd 8. Ronch Polymers Pvt. Ltd 9. Vatsal	279	124	NIL	Nil	Nil

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE Electrical Engineering	Electrical Engineering	Tulsiramji Gaikwad Patil College of Engineering and Technology, Mohgaon, Wardha Road, Nagpur	M. Tech(IPS)
2020	5	BE Civil Engineering	Civil Engineering	Bapurao Deshmukh College of Engineering, Sewagram	M. Tech (Structural Engineering)
2020	1	BE Civil Engineering	Civil Engineering	Institute of Infrastru cture Studies And Construction Management. Pune	PGDM- Project Management (Infrastructu re & Construction
2020	1	BE Electronics & Telecommun ication Engineering	Electronics & Telecommun ication Engineering	Government College of Engineering, Pune	M. Tech (Signal Processing)
2020	1	BE Computer Engineering	Computer Engineering	Tulsiramji Gaikwad Patil College of Engineering and Technology, Mohgaon, Wardha Road, Nagpur	M. Tech (Wireless Co mmunication and Computing)
2020	3	BE Computer Engineering	Computer Engineering	BapuraoDes hmukh College of Engineering, Sewagram	M.Tech.(C. S.E.)
2020	1	BE Mechanical Engineering	Mechanical Engineering	IIIMK, Khadakpur	MBA

2020	1	BE Mechanical Engineering	Mechanical Engineering	Sadhu Vaswani Institute of Management Studies for Girls, Pune	MBA
2020	1	BE Mechanical Engineering	Mechanical Engineering	Dr. Ambedkar Institute of Management Studies and Research, De ekshabhoomi, Nagpur	MBA
2020	1	BE Mechanical Engineering	Mechanical Engineering	Bapurao Deshmukh College of Engineering, Sewagram	M.Tech. (CA D/CAM)
View File					

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
NET	Nil
SET	Nil
SLET	Nil
GATE	1
GMAT	Nil
CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	Nil
View File	

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

Activity	Level	Number of Participants
Data of 04 Records of Cultural Activities (Dance, Singing, Ramp Walk, Drama Mimicry) is provided in File Format	Institutional Level	176
Data of 08 Records of Sports Activities (Carom, Chess, Badminton, Table Tennis, Cricket, Kabbadi, Vollyball, Basketball) is provided in File Format	Institutional Level	136

[View File](#)

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	NIL	National	Nil	Nil	Nil	NIL
2019	NIL	International	Nil	Nil	Nil	NIL
2020	NIL	National	Nil	Nil	Nil	NIL
2020	NIL	International	Nil	Nil	Nil	NIL

[View File](#)

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

Students' Council is constituted as per the norms of RTM Nagpur University the College. Bona-fide Students from each class having secured highest marks in the University examinations and having remarkable contribution in sports cultural activities are nominated by the Principal and Faculty in charge of Students Council in the College Students Council. Nomination takes place in second or third months of the odd semester of the academic year. The secretary is elected from among the nominated students on the scheduled date given by RTMU Nagpur University. The selection of office bearers for the other post is recommended by the panel of principal, faculty in-charge of student council. The student council starts its functioning after the declaration of elective nomination for the post by the Principal. The details about the elected secretary of the Students' Council are communicated to the Director of Students Welfare RTM Nagpur University Nagpur. The Students' Council remains in force in the institute for that academic year. The secretary acts as a medium between the student and administration until the oath of next council. The Student Council aims at the all-round development of students and organizes several academic, co-curricular, and extracurricular events throughout the year in association with the University and other organizations. Meetings of the Student Council are conducted at least once in each term with Student's Welfare Officer, discipline, and anti-ragging committee. Following is the narrative of functions and events conducted by various Committees: 1. Students' Council: Under section 40(3) of Maharashtra Universities act, 1994, this council is established every year in the Institute and it performs its duties prescribed. 2. Student Grievance: This committee addresses student grievances and maintains harmony and discipline among the students. 3. Anti- Ragging: This committee ensures zero ragging incidents in the Institute and also spreads awareness among students against any type of ragging activities. 4. Cultural: This committee co-ordinates various cultural activities and events throughout the year. Extension Activities: Any education is incomplete without social awareness. "NSS Committee" is active in carrying out different activities such as Blood donation Camp, Swachha Bharat Abhiyan, Yoga day, Tree plantation etc. "NSS Committee" also organizes residential camp known as "SHRAMSANSKAR" in rural area to enhance social awareness and personality development of students. In this camp, students perform Swachha Village Abhiyan, Public awareness program like Pathnatya, Prabhatpheri etc. to educate the students from rural areas. In addition to above students are also nominated on College Development Committee Internal Quality Assurance Cell of the College.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association was formed in year 1995 at the College level. Alumni Association got registered in the year 2004 with the title 'Gandhigram Engineers Alumni Association' (GEAA) with registration no. Maha92/2004. Now the GEAA is financially independent which gets contribution from outgoing students towards registration fees. The GEAA carries various activities and programs which are in the interest of alumni as well as institution. The GEAA has prominent members from the Indian Industries, Universities, Trade and Commerce and Multinational Companies. The GEAA started conducting reunion - Alumni Meet of those admitted batches that completed 25 years. The first Alumni meet of 1983 batch was held in 2008 and the subsequent alumni meets were successfully organized every year. The Alumni Meet during the AY 2018-19 was organized on 27th January 2019 by the GEAA for the admitted batches 1996 and 1997, which was nicely coordinated by the alumni Mr. A. B. Tupkar and Mr. P. R. Kamble. In order to get closer to our alumni, the GEAA has also opened two chapters of the association at PUNE and NEW DELHI where most of our alumni are based. Today our alumni are spread throughout India and abroad also. Some of them are serving in well known companies at higher position. We want to link with them and to entrap their knowledge, skill and talent for betterment of our institution. Although the Alumni could not contribute in terms of financial support during the AY 2019-20, they have actively involved and supported in academics. The alumni delivered a seminar to the students of different branches in Engineering

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

During the year 2019-20, two meetings of office bearers on 18/03/2019 and 27/04/2019 were held in the conference hall of the college. The General Body meeting of the association was held on 27 September 2019 which was attended by 27 members.

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)

Best Practice I- School Outreach Programme: It is expected that school teachers can shape their students who are willing to go for higher education by providing them essential correct guidance regarding choosing their future careers. Hence, teachers should be aware of the latest trend of professional courses of higher education. If proper guidance is given to the school students, they can equip their qualities in the entire manner while they transform from school to college/university. To create awareness and to bridge the gap on these aspects, our college has adopted policy of few outreach programmes for students and teachers of school. Various meetings at Central and Departmental levels were held for deciding its implementations. One day workshop was held at auditorium for creating its awareness among the teaching and non teaching staff of the college. As per the phase I of the policy, meeting of parents whose children appeared at HSSC examination was conducted in

the campus of the college. In this meeting all the information regarding campus, hostels, library, laboratories, placement, alumni of the college was given to the parents. All heads, faculty and non teaching staff have extended full hearted support for the organizing this event. In the Phase II, School students along with their teachers visited to the college campus on working day so that they can observe the ongoing college activities. In phase III after declaration of result of HSSC examination, various committees consisting of teaching non teaching staff of the college contacted the parents of the students for motivating them to take admissions in our college.

2. COVID-19 Counter Initiatives: Our College has initiated preventive safety program in the campus. Principal of the college constituted a committee of IT faculty along with all heads of departments to find the best solutions for completing the pending syllabus in the even semester of the academic year 2019-20 and conduction of internal examinations through online mode using MOODLE to handle the pandemic situation. The principal constituted another committee to look after the sanitization and covid-19 preventive actions in the campus effectively under the supervision of the maintenance engineer/estate manager. Another team consisting of teaching and non teaching staff was constituted under the NSS activity for creating awareness regarding preventive safety measures to be taken among the nearby local villages and distributing masks, sanitizer bottles, foot operated hand wash machines in the nearby villages. By adopting this practice, faculty and students got familiar to free access to COURSERA MOOCs platform and upgraded their skills during lockdown period. Faculty explored on innovative online resources for teaching and learning. College made available facilities for Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching learning, Assessment and Evaluation with Online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses using Google meet, Zoom app. Under Unnat Bharat Abhiyan, NSS team distributed masks, sanitizers foot operated sanitizing machines, primary medicines to the villagers in the nearby areas.

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	Being situated in the rural area, industry collaboration always remains a challenge for the institute. Yet, Significant progress has been made in this important area during the year 2019-20. Linkages with industries for internship, on job training, project work, sharing of research facilities were established. More than 350 students have undergone internship and training programs through Training Placement Institution Industry Cell. At the end of year 2019, institute has signed few MoU with the nearby industries.
Library, ICT and Physical Infrastructure / Instrumentation	Library has been updated immensely. New Software Sack Info 2.5 ERP, fully automated library software has been

installed. E journals, e-books have been subscribed. Number of books and journals were added as per requirement of the departments. ICT is a major emphasis area for the institution and several ICT initiatives have been undertaken. Infrastructural requirements were reviewed in the beginning of academic session. New classrooms, hostel facilities, sports complex, faculty cabins and Renovation of campus roads were prepared. Also most of the companies during placements, conducted online test in campus with the updated internet speed.

Research and Development

Research policy was revisited post NAAC Audit. New policy encouraged faculty to indulge in Active research. Library resource was updated with various e-journals e-books. Students/Teachers/Scholars bagged 05 awards for innovation work. 26 Ph D degrees were awarded through Institutional Centre for Higher Learning Research. 71 Faculty members published their research papers in the journals. 31 papers were presented in National and International conferences. 02 faulty published their books.

Teaching and Learning

During the year 2019-20, institute aligned the teaching pedagogy with outcome based education model. Number of ICT classrooms and labs were increased to enhance ICT based teaching. Google classroom was effectively implemented across entire organization by most of the faculty members. This platform was used to disseminate valuable information like, e-class notes, Web Links NPTEL Lectures, MooC courses, Internal Assignments, Quizzes, etc. Students were encouraged to share information in the teaching process. The student's performance was assessed continuously through various assessments Tools including classroom performance, tutorials, quizzes, assignments and internal examination. Feedback from stakeholders were obtained for assessing quality improvement.

Curriculum Development

Being the affiliated institute to RTM Nagpur University, Nagpur, our institute was not allowed to design our own curriculum. During the year 2019-20, the University incorporated some minor changes in the syllabus of

MBA CBCS Scheme. Meetings of Board of Studies for preparing CBCS Scheme for MBA courses were held during the year 2018-19 and senior faculty members of our institute participated in the same. However, institute has organized field visits for the students for establishing rapport between theory practical knowledge.

Examination and Evaluation

The end semester examinations were conducted by the RTM Nagpur University and continuous internal assessment is carried out by the institute. Internal assessment constitutes 20 to 50 weightage in the overall score and varies for different courses. Continuous evaluation was exercised through class tests, MCQs, home assignments, Lab Exercises etc. Class tests were conducted over two units of syllabus. Satisfaction in evaluation process was ascertained by showing the students their evaluated answer scripts. In addition to this, students were encouraged to participate in mini mega projects, model exhibition, programming skill competitive examinations, paper presentation, workshop, seminar etc

Human Resource Management

Self Performance appraisal system implemented from 2018-19 was continued in 2019-20 also. Staff outreach programmes were regularly initiated for two way communication and better engagement. Few orientation and enrichment programmes were organized for teaching staff members for upgrading their skills in the latest technology. Biometric, CCTV facility was used for human resource management. 15 Committees/Cells were formed to properly utilise the expertise of faculty members in various fields, for overall development of the college.

Admission of Students

Separate admission committee comprised of teaching and non teaching staff of the college was framed in the beginning of the year 2019-20. On line registration facility for Institute level admissions was made available. Being private institute and agreed to be member of Central Admission Process of State Government, all the admissions except institute level quota were made by CET Cell of the State Government. Institute level admissions were made on the same line as of CET Cell on merit

basis. Several outreach programmes were conducted to apprise students about the initiatives and achievements at BDCE.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Institution has planned to use only four modules of Sack Info 2.5 ERP software designed and maintained by SyNchRoniK Inc. Software Company from year 2018 on wards. Currently institute is using its all 17 operational modules. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management, Academic Monitoring, Training and Placement, Central Library, Various Events, Estate Management, Android App Students and Android App Faculty. In addition to this , Institute maintained its website www.bdce.edu.in to communicate its philosophy and updates to external stakeholders.</p>
<p>Administration</p>	<p>For office administration, institute is using 10 operational modules of the ERP Software. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management, In addition to this , Institute maintained its website www.bdce.edu.in to communicate its philosophy and updates to external stakeholders. Biometric attendance recording system was also used by the institute.</p>
<p>Finance and Accounts</p>	<p>For finance and Accounts, institute is using 10 operational modules of the ERP Software. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management,</p>
<p>Student Admission and Support</p>	<p>For Students Admissions and Support, institute is using 10 operational modules of the ERP Software. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management,</p>

Examination	From the year 2019 onwards Sack Info 2.5 ERP software is being used for examination purpose along with Google Sheets and Android Mobiles.
--------------------	---

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	Mr.V.A.Kalmegh	--	Indian Society for Applied Mechanics	2000
2019	Mr.M.R.Nikhar	--	Indian Society for Applied Mechanics	2000
2019	Mr.N.P.Doshi	--	Indian Society for Applied Mechanics	2000
2019	Mr.N.M.Badole	--	Indian Society for Applied Mechanics	2000
2019	Dr.R.R.Gawande	--	Indian Society for Applied Mechanics	2000
2019	Mr.M.S.Jibhakte	--	Indian Society for Applied Mechanics	2000
2019	Dr.M.J.Sheikh	--	Indian Society for Applied Mechanics	2000
2019	Dr.U.D.Gulhane	--	Indian Society for Applied Mechanics	2000
2019	Mr.A.B.Dehane	--	Indian Society for Applied Mechanics	2000
View File				

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	Title of the	From date	To Date	Number of	Number of
------	--------------	--------------	-----------	---------	-----------	-----------

	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2020	5 Days online FDP on Moodle Learning Management System	--	10/05/2020	14/05/2020	15	Nil
2020	FDP on eSIM	--	03/05/2020	29/06/2020	3	Nil
2020	One week online FDP Program on Geographic information System	--	22/06/2020	26/06/2020	8	Nil
2020	Faculty Development Program and online training on Qcad	--	06/05/2020	08/05/2020	4	Nil
2020	FDP on LaTeX	--	08/06/2020	13/06/2020	10	Nil
2020	One Week Online FDP on Moodle Learning Management System	--	10/06/2020	14/06/2020	13	Nil
2020	One week Online FDP on Python 3.4.3	--	04/05/2020	09/05/2020	11	Nil
2020	3 Days online FDP on Q CAD	--	06/05/2020	08/05/2020	8	Nil

[View File](#)

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
Data of 13 Records of Orientation Program is provided in	26	Nil	Nil	Nil

File Format				
Data of 12 Records of Refresher Course is provided in File Format	17	Nil	Nil	Nil
Data of 32 Records of STTP is provided in File Format	36	Nil	Nil	Nil
Data of 107 Records of FDP is provided in File Format	172	Nil	Nil	Nil
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
67	28	150	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Provident Fund Scheme as per Government Rules 2. Group Insurance Scheme for permanent staff 3. Maternity leave with salary 4. Extended maternity leaves and permission to leave early for ladies staff 5. Gratuity 6. Special Casual Leave facility 7. Study Leave 8. Campus Staff Quarters 9. Felicitation on award of Ph. D 10. 50 percent concession in tuition fees of wards of teaching staff. 11. Training in Industry 12. Annual medical check up 13. Availability of Credit Co-operative Society and Store 14. Organization of Cultural Programmes 15. Wi Fi facility/ Internet Dongles/Laptops for staff 16. Sports meets are organized every year. 17. Felicitations of meritorious wards of the teaching staff 18.</p>	<p>1. Provident Fund Scheme 2. Group Insurance Scheme 3. Maternity leave with salary 4. Extended maternity leave 5. Gratuity as per norms 6. Study Leave for qualification up gradation. 7. Campus Staff Quarters 8. 75 percent concession in tuition fees of wards of non teaching staff. 9. Annual medical check up 10. Availability of Credit Cooperative Society and Store 11. Organization of Cultural Programmes 12. Sports meets are organized every year. 13. Felicitations of meritorious wards of the non teaching staff 14. Financial aid up to Rs 10 lakh in case of medical/accidental emergency 15. Remuneration in consultancy projects/works 16. Provision of Festival</p>	<p>1. Tuition Fee Waivever Scheme 2. Scholarship for meritorious Students 3. Book Bank Scheme for reserved category Students</p>

Financial aid up to Rs 10 lakh in case of medical/accidental emergency 19. Remuneration in consultancy projects/works 20. Festival advances for teaching staff	advances 17. Uniforms for Security and Class IV staff. 18. Washing Allowances to Class IV Staff.
--	--

6.4 – Financial Management and Resource Mobilization

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

Internal audit: The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day to day basis. The Accounting software, 'Tally' was used to manage the entries of day to day transactions. Accordingly, every expense voucher is recommended by the head of the department and approved by the Principal/Director. All vouchers are audited by the account section of the institute on half yearly basis. It covers examination of revenues and payments. The management has created a system to ensure that cash book is checked on timely basis. External Audit: External audit for the year ending on 31st March 2020 was carried out by the external auditor appointed by the parent trust. During the audit 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 were scrutinized by the audit team. The report of external auditor along with audited Statements was sent to the Management for review. The audit of accounts and submission of income tax returns were carried out within the prescribed dates of the authorities. Sack Info 2.5 ERP software is used for the Accounts purpose.

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
NIL	0	NIL
View File		

6.4.3 – Total corpus fund generated

0

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	No	Nil	Yes	IQAC of the Institute
Administrative	No	Nil	Yes	IQAC of the Institute

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

1. Regular meetings of parent - teacher association since orientation programme of 1st year students. 2. Diversified need of the students belonging to different backgrounds are brought into notice of Board of Governance. 3. Feedback from parents at departmental level are analyzed and used for quality

improvement

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

1.Orientation programme for use of ICT Tools and e- resources 2.Encouragement for pursuing higher education 3. Awareness talk on health and hygiene.

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

1.Decentralized system of awareness registration of Scholarship forms on DBT Portal 2. Formation of 15 Committees as per guidelines of AICTE/RTM Nagpur University/ UGC/ Maharashtra Government for decentralized and participative management. 3. MoU with nearby industries.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
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	Regular meeting of Internal Quality Assurance Cell (IQAC)	15/07/2019	15/07/2019	15/07/2019	16
2019	Regular meeting of Internal Quality Assurance Cell (IQAC)	14/10/2019	14/10/2019	14/10/2019	17
2019	Submission of data for AISHE	15/07/2019	01/01/2020	14/02/2020	10
2020	Regular meeting of Internal Quality Assurance Cell (IQAC)	13/01/2020	13/01/2020	13/01/2020	17
2020	Orientation Program Ethical Hacking and Cyber Security	14/10/2019	30/01/2020	01/02/2020	35
2020	Feed back obtained from Alumni	13/01/2020	20/02/2020	28/02/2020	25

2020	Feed back obtained from Teaching Faculty	13/01/2020	20/02/2020	28/02/2020	20
2020	Feed back obtained from Students	13/01/2020	20/02/2020	28/02/2020	25
2020	Organization of National TechFest WheelSpin 2020 for Students	13/01/2020	21/02/2020	21/02/2020	1398
2020	Academic Audit of Institute	13/01/2020	10/03/2020	16/03/2020	80

[View File](#)

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
Online Poster Competition for Awareness and Safety about Covid - 19 and Tribute to real heroes of Covid - 19	15/05/2020	25/05/2020	15	15
Blood Donation Camp organized on KARGIL VIJAY DIWAS	26/07/2020	26/07/2020	110	90
Teachers Day and Tree Plantation	05/09/2019	05/09/2019	40	30

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

a) **Water Management:** As such, wise use of water is a general practice in the college. In most of the department, attempt is made for rainwater harvesting. Rainwater falling on the on the terrace of each building is carried to the bore pits constructed near each of the building. b) **Waste Management:** Land filling is the general waste management strategy adopted by the college. and there is

no management plan for managing inorganic waste, especially plastics. Further, proper discarding of solid wastes is a common practice in many segments of the campus. However, most of the departments are now following green charter and started avoiding flex banners and plastic carry bags and cups for social functions and academic programmes. Waste water is properly disposed off.

College follows proper arrangement for handling of e-waste. c) Energy Management: Most of the buildings are well ventilated and having good day light facility. Old energy consuming street lights have been replaced by LED street lights. Most of the CFLs are replaced by LED bulbs and LED tube Lights. d) Landscape/Environment: The College campus is totally eco-friendly. The tree Plantation Drive is organized every year by the NSS unit of the College to make the campus lush green. Every building in the campus is surrounded by trees and lawns. e) Transportation: Majority of the students in the campus relies on own transport facility mostly two wheeler. Few staff and students are using public transport and bicycle.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nil
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	1

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	09/08/2019	1	Shramdan and Tree Plantation Program	Development of love and Concern for mother nature	50
2019	1	1	05/09/2019	1	Teachers Day and Tree Plantation	Concern for Environment	70

2019	1	1	02/10/2019	1	Satbhavna Pad Yatra	Work for peace and harmony in the society	119
2019	1	1	02/07/2019	300	Food Monitoring Sytem using GPS	IOT Based Flood Monitoring System Using GPS was developed	5
2019	1	1	27/05/2019	5	A Five Days Training Workshop on Rural Based Entrepreneur Development Programme.	Development of entrepreneurship, ideas, art, skills and desire among the students to become self sufficient	35
2019	1	1	02/07/2019	300	Fabrication of Alovera Pulp Extraction Machine	Design Fabrication of Alovera Pulp Extraction Machine	11
2019	1	1	02/07/2019	300	Fabrication of Paddy Transplanting Machine	Design and Fabrication of Paddy Transplanting Machine	9
2019	1	1	02/07/2019	300	Water Management	To Develop Alternate Method for Water Management	5
Nil	1	1	02/07/2019	300	Food Recognition Nutrition Estimation	Food Recognition Nutrition Estimation Using Deep Learning	5

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Hand Book of Code of Conduct of BDCE	01/07/2019	Institute runs as per the norms mentioned in handbook which is published initially on 01st January 1918. It is annually reviewed and revised if needed. It is reviewed on 01/07/2019.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
5th International Yoga Day Celebration 2019	21/06/2019	21/06/2019	120
Blood Donation Camp in association with Rotary Club of Gandhi City Inner Wheel Club of Gandhi City	26/07/2019	26/07/2019	200
Distribution of "Foot Operated Hand Sanitizer Machine" to the Grampanchayats adopted under Unnat Bharat Abhiyan	06/05/2020	06/05/2020	40
Online Poster Competition for Awareness and safety about Covid - 19 and Tribute to real heroes of Covid - 19	15/05/2020	25/05/2020	17
Distribution of Sanitizer, Hand Wash and Mask to the Grampanchayats adopted under Unnat Bharat Abhiyan	19/05/2020	20/05/2020	40

[View File](#)

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

One the core principle of the institute is the Environmental Consciousness and Sustainability. Institute always takes conscious efforts to improve its environmental performance on continual basis. Following are the initiatives taken by the institute to make its campus eco-friendly: 1. Solid waste Management: 2. Liquid waste Management: 3. E-waste Management: 4. Rainwater harvesting: 5. Green Practices: 6. Annual Green Audit 7. Green landscaping with trees and plants

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - I

1. Title of the Practice: Technology based Training, Soft and Research Skills education for creating Industry needed engineers.

2. The Context: There is always a gap between curriculum and industry need in every engineering college affiliated to State University. In order to bridge this gap, an effective paradigm has been prepared by our college to satisfy the industrial need by allowing our students to learn about recent industry related problems and find the solutions over them through this best practice. Thereby students are trained for placements and also to become an Entrepreneur.

3. Objectives of the Practice:

1. To provide platform for the students for interaction with industry experts
2. To provide Internship and In-plant training to the students.
3. To strengthen Industry Institute Interaction
4. To learn the emerging technology develop Software and Commercial Products
5. To promote Research Activities, encourage Publications, Patents and Copy Right
6. To facilitate Consultancy and Funded Projects
7. To develop Entrepreneurship Skills.

4. The Practice: An per curriculum of the affiliating university, provision of theory and practical lectures for learning communication and aptitude skills is included where the placement co-ordinators of each departments monitor the execution. In the regular time table of first year, four to six hours have been allocated to soft skill and aptitude training for each class. Faculty of Computer Engineering taught the students regarding programming skills required for software companies. Training and Placement Officer helped the students in getting Internship, In-plant Training for enhancing the Industry-Institute interaction. Ph.D qualified faculty taught the students how to write Project Proposals, obtain Patents consultancy work. Experts were invited for talks and interaction in each department. Certificate courses were conducted at every semester end. Guidance for Competitive Examinations was given in each semester of the year. Entrepreneurship Awareness Programs were being conducted to promote Entrepreneurship Culture among students .

5. Obstacles faced if any and strategies adopted to overcome them: Allocating exclusive working hours for all training activities by balancing academics was challenging. Establishing rapport between industry and institute was challenging task. Similarly, fetching grant from industry for research project was found difficult. The required resources were provided by the Management of the institution and helped institute to overcome the obstacles.

6. Impact of Practice: Students' involvement in placements, research, higher education and entrepreneurship activities is enhanced. Percentage of placement was found to be increased. Students have visited industries, got internship and in-plant training. Rashtrasant Tukadoji Maharaj Nagpur University has approved the Centre for Higher Learning Research in the subjects Mechanical, Electronics Telecommunication, and Civil Engineering. Activities regarding Start up and incubation Centre are increased. Publication of research papers in reputed journals are improving. Various Workshops, Seminars, Science Exhibition, Entrepreneurship programmes were organized in the College. Faculty was encouraged for filing of Patents. Faculty members have registered for Ph.D. Memorandum of Understanding (MoU) in various industries were signed. Research is cultivated in the college by strengthening infrastructure facilities in the laboratories and the library.

7. About the Institution:

- i. Name of the Institution: Bapurao Deshmukh College of Engineering, Sevagram
- ii. Year of Accreditation: 2018
- iii. Address: Near Bust Stand, Sevagram, Tah. Dist. Wardha, Maharashtra, Pin-442 102
- iv. Grade Awarded by NAAC : B plus
- v. E-mail: princi.bdces@gmail.com
- vi. Contact person for further details: Mr. R.J. Dahake, Co-ordinator, IQAC
- vii. www.bdce.edu.in

Best Practice-II

1. Title of the Practice: E- governance through Management Information Software

2. The Context: Higher Education Institutions (HEIs) primary mission is to provide quality education to their students. The NAAC accreditation is one way to build

confidence among students, parents and faculty that the institution is committed to quality in infrastructure as well as educational methods. Many of the NAAC accreditation criteria require reports. Assembling the data and creating these reports that require 5 years of information is time consuming and a small mistake is difficult to pinpoint. An Education ERP, does not just help you to compile reports, it also is invaluable in getting an institution to evaluate itself on different parameters and improve areas that show a need for improvement. To overcome this time consuming problem, our institute has started to make use of all modules of ERP software from academic year 2019-20. 3.

Objectives of Practice: 1. To automate all the administrative procedures related to Academics, Student Management, Staff Management, Library Management, Hostel Management, Transport Management, HR Management and Finance Management,. 2. To Collect and Store all the required data in a centralized manner for easy retrieval. 3. To move towards a paperless office and to improve the overall productivity of the institution. 4. The Practice: Institution has started to make use of all 17 operational modules of ERP software from Academic year 2019-20. These are System Administration, Management, Establishment, Students Admissions, Front Office, Students Section, Fee Collection, Accounts, Clearance, Leave Management, Academic Monitoring, Training Placement, Central Library, Various Events, Estate Management, Android App Students and Android App Faculty. This software is designed maintained by Masters Software Company located at Nagpur. Inputs to the software were filled in by the faculty and technical non teaching staff of the institution within a period of 6 months i.e. up to December 2019. This software can be accessed both via intranet and internet. The ERP software is user friendly and comes with a lot of security features.5. Obstacles faced if any and strategies adopted to overcome them: In the initial period of data filling, all faculty members and non teaching staff have faced the challenge of data collection and providing inputs to the system.

It was time consuming and lengthy task. 6. Impact of Practice: 1. Enormous amount of time and effort is saved by using the ERP system 2. Substantial money time is saved through optimization of various procurement activities, because of bringing in systems across the institution.3. Better tracking of payments to be made to the vendors is evident because of linking of the complete chain of transactions.4. Students and Parents feel comfortable with the system 5. The linking between admission, fees payment, academic courses, departments, placement and examination modules of the ERP prevents unnecessary data entry, removes redundant data entry and results in saving of effort and increases accuracy of data 6. Management is able to get the data of all activities on real time basis from anywhere which helps in decision making process 7. Various reports related with accreditation of the institution can be generated within minutes. 7. About the Institution: i. Name of the Institution: Bapurao Deshmukh College of Engineering, Sevagram ii. Year of Accreditation: 2018 iii. Address: Near Bust Stand, Sevagram, Tah.Dist. Wardha, Maharashtra, Pin-442 102 iv. Grade Awarded by NAAC : B plus v. E-mail: princi.bdces@gmail.com vi. Contact person for further details: Mr.R.J.Dahake, Co-ordinator, IQAC vii. www.bdce.edu.in

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.bdce.edu.in/Utility/ShowPDF/33>

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

Considering the Vision of the institution we are committed to bring about changes in the current market trend in the engineering education, as the response of students parents towards the engineering education is quite discouraging. One major challenging issue in the current education scenario is

the slowdown in the engineering admission in general. The advances in the particular fields of science and technology are growing and talented graduates are lacking in the job market. The need for the hour is the engineering graduates with a mix of strong technical and professional skills to face new age requirements. With the objective of providing professional career guidance in rural areas and as a part of our social commitment we started an initiative "Margdarshan: Exploring Careers, Unlocking potential (MECUP) from the year 2018. Through this unique platform we offer free of cost professional career counseling to the students of rural areas to know about new avenues and pick careers according to their talent. Wardha is a small district where around 70 percent of the population lives in rural areas. Lack of career guidance often creates situations where students are wrongly influenced by their peers and others and opt for the wrong career many times. Like underprivileged students, these rural students, specific to their rural residence, face acute challenges such as limited financial resources for further professional education, poor academic performance, lack of proficiency in the English language, and fear of failure. A team of 30 devoted, dynamic teachers perform the work of career guidance since last year. The program stresses the schools in the suburban as well as rural areas and brings awareness to the latest courses that are available in different branches of engineering. Distributed in small teams, our team members visit the schools and junior colleges in remote areas of Wardha and nearby districts of Vidarbha region. The students are clustered before and after the exams and provided the inputs as per their requirements. The potential engineers are given an eye-opener program to interact with the industry stalwarts and the expertise education counselors to give the orientation about the engineering and technology related jobs, advance studies and research opportunities for the engineering aspirants in the national and international perspective. These activities of community development through nurturing the students set us ahead to reach wider masses and provide quality education to all the deserved. The success of the program lies in the increase of engineering aspirants to take up their courses in different specialization of engineering and technological courses and pave the way to success in the engineering job market. This MECUP initiative is helping students to select career of their own choice and till this year about 7,000 students of rural areas have been benefited.

Provide the weblink of the institution

<http://www.bdce.edu.in/Utility/ShowPDF/37>

8.Future Plans of Actions for Next Academic Year

Future plans of the institute are primarily aiming at scaling the intellectual environment of the institute. This includes aiming at inducting a better quality of students, faculty and intellectual output. The future plans of action of the institution for next academic year i.e. 2020-21 are as follows: 1. Enhancement in Research activities: In order to promote academic research, our institution plans to host international conference in the upcoming year. 2. Establishment of Institution Innovation Council (IIC): As per the guidelines of MHRD Innovation Cell Institute plans to establish IIC for fostering the culture of Innovation amongst young students by supporting them to work with new ideas while they are in formative years. 3. Enhancement in Industry Institute interaction: In order to bridge the gap between industry class teaching, institute has planned to organize Industry Institute Interaction (III) Meet in the next year. 4. Increase in financial resource mobilization: Institute has planned to obtain more funds/grants from government and non government organizations by applying under various schemes for the institutional growth. 5. Participation in NIRF: In order to rank our Institute across the country, it has been decided to participate in the National Institutional Ranking Framework (NIRF) of MHRD in the upcoming year.

