



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	VPM'S MAHARSHI PARSHURAM COLLEGE OF ENGINEERING
Name of the head of the Institution	Amitkumar T.Mane
Designation	Principal(in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02359-243103
Mobile no.	9004690479
Registered Email	principal@vpmpcoe.org
Alternate Email	mpcoe@vpmpcoe.org
Address	A/P Velneshwar Taluka Guhagar District Ratnagiri
City/Town	Velneshwar
State/UT	Maharashtra
Pincode	415729

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.Avinash N.Pawar			
Phone no/Alternate Phone no.		08390975232			
Mobile no.		7775008866			
Registered Email		iqac@vpmpcoe.org			
Alternate Email		avinash.pawar@vpmpcoe.org			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.vpmpcoe.org/naac/MPCOE%20AQAR%20(2018-19).pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://www.vpmpcoe.org/academic%20calendar.html			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.42	2019	18-Oct-2019	18-Oct-2024
6. Date of Establishment of IQAC			08-Feb-2018		
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	

Every department should publish at least two papers in UGC journals	04-Oct-2019 90	46
Formation of Teacher-Parent association	04-Oct-2019 01	15
Every department should organize forty hours workshop for teachers & students	03-Oct-2019 08	400
Start use of MOODLE LMS & LaTeX for report writing	01-Oct-2019 08	600
Online feedback from all stake holders	08-Oct-2019 05	700
Formation of internal administrative & academic audit committee	15-Oct-2019 10	120
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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
VPM MPCOE	0	NIL	2019 0	0
No Files Uploaded !!!				

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 :

4

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

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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)

1) Every department has organized two workshops of 40 hours duration for their students ,faculties staff to enhance their skills resource sharing. 2) Committees

were formed to conduct internal academic administrative audit (twice in semester)
 3) Student council was formed as per UGC University guidelines. 4) Initiated actions to make our college as Less paper consuming unit 5) All departments are using LaTeX software for BE project report writing

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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
Every department has organized two workshops of 40 hours duration for their students ,faculties staff to enhance their skills resource sharing.	Total ten workshops of forty hours were conducted during the year to enhance the skill resource sharing between departments.
Committees were formed to conduct internal academic administrative audit (twice in a year)	Intarnal acedemic & administrative audits were conducted two times in a year
All departments are using LaTeX software for BE project report writing	Every department students are using LaTeX for report writing during minor/major projects
Tried to make our college as Less paper consuming unit	Saved more than twenty thousands papers through this activity
Student council was formed as per UGC University guidelines.	Student council was formed and activities are also conducted under council.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
CDC	28-Sep-2020

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

Yes

Date of Visit

17-Sep-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

07-Jan-2020

<p>17. Does the Institution have Management Information System ?</p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>It is a system designed to systematically organise information related to the management of educational development. MIS is responsible for the promotion and use of information for policy planning and implementation, decisionmaking, and the monitoring and evaluation of an education system. As we live in the age of information, the success in organising information systems for the development of education lies in the use of information for development. Not using accurate and timely educational information for monitoring development activities results in retarded development. MIS also substantially aids efforts made to assess the performance of an education system. It also closely monitors the equitable distribution of resources, and plays an active role in providing information to top management about the deployment of teachers, student performance assessment, internal efficiency of the education system, resource allocation, and the distribution of didactic materials to institute. On MIS various academic and administration level works are performed. In academics Attendance monitoring, Continuous assessments of students, resources for students, time table, extra and cocurricular activity, library, examination etc are performed. At administration side faculty and students profile, Institute fees, scholarship record, college level certificates like LC /TC, fee receipt, admission etc. The documents required for various educational works. SMS and email notification also sent by MIS to all stake holders about the institute. In students support, MIS also have a module of mentoring on which mentee observations are recorded throughout the year.</p>

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

VPM's MPCOE Velneshwar is affiliated to University of Mumbai. The institute strictly follows the curriculum prescribed by University of Mumbai (UoM).

Before starting of every semester we prepare a department wise load distribution of faculties. After distribution of subjects teachers prepare their lecture and practical plan as per syllabus. After preparation of lecture & practical plan teachers submit their course wise requirements regarding new purchase or maintenance, etc to store department. through heads of departments.

- Meeting of Principal and HoDs to decide semester plan.
- Preparation of the institute academic calendar considering schedules of - the monthly attendance calculation, curricular, co/extra - curricular activities, Internal Assessment examinations. Display of the same on college intranet. Online and Offline academic calendars are prepared. Video lecture / Power point presentation / Notes of each subject are prepared by individual subject teacher and uploaded on college DSpace for convenient reference by students. Links of all these digital documents is made available on Intranet in the online academic calendar.
- Preparation / Updating, if necessary, of Laboratory manual by the teachers.
- Institute academic diary is provided to the individual subject teacher.
- As part of Outcome Based Education - Preparation of COs-POs mapping and definition of expected level of learning using Bloom's taxonomy by the individual subject teacher.
- Identification of 'slow and advanced learners' is being done by respective Heads through class teachers. During semester:
 - Smooth execution of Teaching-Learning along with various co/extra- curricular activities.
 - Maintaining academic diary consisting of attendance, plan/execution of theory/laboratory, Internal Assessment marks, feedback received from students, end term results of students, details of workshops/seminar/conferences attended by faculties etc.
 - Identification of slow and advanced learners is done by class teachers after declaration of result of Internal Assessment - I in a semester and corrective measures are taken by subject teachers.
 - Class/laboratory assignments are communicated to the students at regular intervals.
 - Display of cumulative monthly attendance of students and counselling of students with less (than minimum) attendance by mentor/class teacher/HoD.
 - Regular Communication with parents regarding students' attendance and result through letters. Two internal assessment tests are conducted every semester on behalf of University. Subject teachers evaluate the answer-books and discuss students' performance with them and their parents at the time of Parents' meet. Our overall mechanism is based on planning, execution & implementation based practices.

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
STTP on MATLAB and Simulink	Nil	20/07/2019	16	Entrepreneurship and Employment	MATLAB and Simulink
Student Induction Program for FE Students	Nil	24/07/2019	6	Entrepreneurship and Employment	Communication and Soft skill
Revit Architecture Software Training	Nil	30/09/2019	7	Entrepreneurship and Employment	Revit Architecture Software for 3D Modelling
Workshop on Robotics	Nil	04/10/2019	5	Entrepreneurship and Employment	Robotics

One Week Workshop on LaTeX Report Writing	Nil	11/11/2019	6	Entrepreneurship and Employment	LaTeX Report Writing
Moodle: Learning Management System	Nil	02/12/2019	6	Entrepreneurship and Employment	Moodle software
Rising Above and Beyond Excellence	Nil	02/01/2020	4	Entrepreneurship and Employment	Management skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	BE Civil Engineering	08/07/2019
BE	BE Computer Engineering	08/07/2019
BE	BE Electrical Engineering	08/07/2019
BE	BE Electronics and Telecommunication Engineering	08/07/2019
BE	BE Instrumentation Engineering	08/07/2019
BE	BE Mechanical Engineering	08/07/2019
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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	BE Civil Engineering	08/07/2019
BE	BE Electrical Engineering	08/07/2019
BE	BE Electronics and Telecommunication Engineering	08/07/2019
BE	BE Instrumentation Engineering	08/07/2019
BE	BE Mechanical Engineering	08/07/2019
BE	BE Computer Engineering	08/07/2019
BE	First Year Engineering	26/07/2019

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

	Certificate	Diploma Course
Number of Students	198	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
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STTP on MATLAB and Simulink	20/07/2019	13
Student Induction Program for FE Students	24/07/2019	15
Revit Architecture Software Training	30/09/2019	26
Workshop on Robotics	04/10/2019	31
One Week Workshop on LaTeX Report Writing	11/11/2019	32
Moodle: Learning Management System	02/12/2019	48
Rising Above and Beyond Excellence	02/01/2020	33
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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	Civil Engineering	63
BE	Electrical Engineering	7
BE	Electronics and Telecommunication Engineering	8
BE	Instrumentation Engineering	1
BE	Mechanical Engineering	20
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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
<p>VPMS MPCOE Velneshwar has mechanism of online feedback collection from all the stake holders like students, parents, alumni students, employers and our staff. We collect Students' feedback on teaching-learning received two times in a semester through online mode. Feedback is based on a set of questions. The questions are: How punctual is the teacher in your class?, Is the teacher able to maintain discipline in the class?, How knowledgeable is your teacher about the subject?, Is the teacher available for consultation?, How well does the teacher interact in the class?, Whether teacher uses appropriate teaching techniques?, How does teacher respond to students question?, Is teacher conducting lectures and practical's in interactive manner?, Is the teacher</p>

develops your confidence in subject?. Students can give ratings on all above parameters. Ratings are as follows Poor (0 to 2), Average (3 to 4), Above Average (5 to 6), Good (7 to 8), and Excellent (9 to 10). Feedback analysis is forwarded to respective heads of departments for further actions. The alumni are also giving feedback on curricula, training and development etc. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Whenever any alumni visits the college, feedback is taken Further, college website invites alumni to provide feedback through online. The faculty of institute giving feedback on curricula and college facilities such as availability of required books in library, laboratories and amenities, freedom to adopt new techniques research, ICT facilities available in the college, Teachers Housing, Cafeteria / Tea club, Bus facility, faculty welfare scheme etc. Parents' meet is organised every semester to discuss progress of the students, in which their views, suggestions are recorded in feedback form. This parents feedback is mainly based on student results, library, IT infrastructure, Hostels and Mess, Extracurricular activities, Bus facility, Sports facilities, Discipline etc. The feedback is also taken from employer for better understanding of industry needs, This feedback collected on Technical knowledge of the students, Ability to work in a team leadership quality, Articulation Communication Skills, Punctuality, Sincerity Discipline, Innovations/Exploration, Professional Ethics Integrity, Efforts taken/Contribution to the organization etc. Feedback receives from all stake holders is analyzed and implemented for future development quality enhancement.

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	30	10	7
BE	Electrical Engineering	30	5	4
BE	Mechanical Engineering	60	1	1
BE	Electronics & Telecommunication Engineering	30	2	2
BE	Instrumentation Engineering	30	9	6
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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
2019	402	0	34	0	0

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
34	31	3	12	1	12

[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)

Yes, Student mentoring system is available in the institute. The Students are allocated to one Mentor, Under one Mentor 10 to 15 students are there. Every week one hour is allotted where these mentees meet to Mentor and have a fruitful discussion. The Main objective of Mentor Scheme is: Helping students to identify short long term goals and enhance their personal growth. To help build strong mentor mentee relationships. To encourage participation in campus events, student activities, research and internships. To connect students with campus resources and academic support Mentors understand each students growth academically and personally. Mentors guide them for their short and long term goals and suggested them different careers after engineering according to their skills acquired. Mentors also guide the weak students to boost their moral support. Different activities are conducted for students to enhance overall growth in them like Group Discussion, Debate, Indoor/Outdoor Games, Presentation , Hobby representation etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
402	34	01:12

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
48	34	14	3	1

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
No Data Entered/Not Applicable !!!			

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	346237210	7 Semester / Final year	26/11/2019	09/01/2020
BE	346246610	7 Semester / Final year	26/11/2019	14/01/2020

BE	346261210	7 Semester / Final year	26/11/2019	06/01/2020
BE	346229310	7 Semester / Final year	26/11/2019	07/01/2020
BE	346219110	7 Semester / Final year	26/11/2019	31/12/2019

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

In a semester, there are minimum two internal tests. Each of the test consists of descriptive questions as well as analytical. Redefining Course Outcomes for every course Setting of questions of internal tests based on reference to prescribed texts, model question papers, Mapping of questions to CO, BTL Defining of scheme of evaluation for the question paper Evaluation of answer sheets based on scheme Marks scored by the student in every test are shown to students and also sent to their parents. Process from step 2 to step 5 is repeated for the two tests. Blooms Taxonomy is followed while setting the internal exam question papers. If a student scores below 50(or set target) in internal test he has to give either retest or write an assignment.

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

With reference to the University calendar, Institute calendar is prepared. With reference to Institute Academic calendar, department calendar of events is derived which is specific to the department. Dates of Internal Assessment exams, Mid term submission, Endterm submission, display of attendance, university oral, practical exam as well as Internal assessments end semester exams etc. are followed by each department as per given in Institute Academic calendar. Start of semester and term end dates are followed by department as per University Calendar. Event dates are planned at the start of semester and details are included in department calendar so that students are aware about all the schedule at the start of semester.

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.vpmpcoe.org/naac/2.6.1.pdf>

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
346237210	BE	Electronics & Telecommunication Engineering	4	3	75
346246610	BE	Instrumentation Engineering	7	2	28.57
346261210	BE	Mechanical Engineering	64	40	62.50

346229310	BE	Electrical Engineering	33	27	81.82
346219110	BE	Civil Engineering	41	29	70.73
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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)

<http://www.vpmmpcoe.org/naac/2.7.1.pdf>

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	0	0	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
Intellectual Property Rights	Mechanical Engineering Department	22/02/2020
Basics of Intellectual Property Rights	Mechanical Engineering Department	26/04/2020
World Intellectual Property Day Quiz	Instrumentation Engineering Department	26/04/2020
Workshop on Intellectual Property Rights	Civil Engineering Department	22/02/2020
Workshop on Innovation, IPR Entrepreneurship	Civil Engineering Department	05/04/2020
Case study on rehabilitation of Jetty for Finolex Industry Ratnagiri	Civil Engineering Department	02/06/2020
Preventive measures for Landslides at Finolex Industry Ratnagiri	Civil Engineering Department	04/06/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	NIL	NIL	30/06/2020	NIL
View File				

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

Incubation	Name	Sponsored By	Name of the	Nature of Start-	Date of
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Center			Start-up	up	Commencement
NIL	NIL	NIL	NIL	NIL	30/06/2020
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
0	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)
National	Civil Engineering	5	7.5
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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
Instrumentation Engineering Department	1
Mechanical Engineering Department	1
ETC Engineering Department	1
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
0	0	0	2020	0	0	0
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
0	0	0	2020	0	0	0
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	7	66	35	17
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS Special Seven Days Residential Camp at Pimper	VPMS Maharshi Parshuram College of Engineering Velneshwar Pimper Grampanchayat	3	34
Beach Cleaning Activity at Velneshwar	VPMS Maharshi Parshuram College of Engineering Velneshwar Velneshwar Grampanchayat	3	35
NSS 50th Annivesary Day Celebration	VPMS Maharshi Parshuram College of Engineering Velneshwar	3	34
Fit India Movement Program	VPMS Maharshi Parshuram College of Engineering Velneshwar	20	100
Sangali and Kolhapure Flood Campaigning Program	VPMS Maharshi Parshuram College of Engineering Velneshwar ABVP Chiplun	3	61
Human Health Care Speech Program	VPMS Maharshi Parshuram College of Engineering Velneshwar	43	0
Pledge for Life (Tobbaco Free Youth)Program	VPMS Maharshi Parshuram College of Engineering Velneshwar	10	140

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	NIL	NIL	0

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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
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Special NSS Camp	VPMS Maharshi Parshuram College of Engineering Velneshwar Pimper Grampanchayat	NSS Special Seven Days Residential Camp at Pimper	1	6
Swachha Bharat Abhiyan	VPMS Maharshi Parshuram College of Engineering Velneshwar Velneshwar Grampanchayat	Beach Cleaning Activity at Velneshwar	1	6
Campaigning Program	VPMS Maharshi Parshuram College of Engineering Velneshwar ABVP Chiplun	Sangali and Kolhapur Flood Campaigning Program	1	6

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Guest Lecture	First Year Students -All Branches	self finance	01
Security System Project	Mr.Rohan Jadhav, Miss.Poorva More, Miss.Arati Mahadik and Miss.Riya Guhagarkar & Mr.Sushil Sirsat (Faculty)	Malani Mart Shrugartali	32
Electrical Bell Project	Miss.Nikita Zagade, Miss.Supriya Rane, Mr.Aniket Pawar & Mr.Akshay Panchal & Mr.Sushil Sirsat (Faculty)	Z.P.School Shivane No 1 Shivane	21
Seminar	Final Year Mechanical Engineering	CADACAMGURU ,Pune	01
Industrial Visit	Second Year Mechanical Engineering	Pethe Brake Motors , varveli	01

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering	Duration From	Duration To	Participant
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		institution/ industry /research lab with contact details			
Training Program	Training Program	Kokan LNG Privatized Limited (GAIL)	27/12/2019	02/01/2020	1
Workshop	Workshop	RoboSapines with Iothon 2019 delhi	21/12/2019	22/12/2019	1
Internship Program	Internship Program	Protrex Technology E Cell IITBombay	05/12/2019	04/01/2020	9
online course	online course	udemy online certification Course	01/01/2020	01/01/2020	1
online course	online course	SOLOLEARN Online Certification Course	29/09/2019	29/09/2019	1
Seminar	Seminar	CADACAMGURU ,Pune	16/10/2019	16/10/2019	65
Industrial Visit	Industrial Visit	Pethe Brake Motors , varveli	11/10/2019	11/10/2019	30
Field training	Field training	Konkan Railway	01/12/2019	12/01/2020	30
Industrial field visit	Industrial field visit	MIDC, Ratnagiri	11/10/2019	11/10/2019	45
Placement drive	Placement drive conducted at campus	DVP Infra Pvt. Ltd. Mumbai	17/07/2019	17/07/2019	50

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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
DVP Infra Projects Pvt. Ltd.	10/07/2019	Campus placement	18

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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
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35.73

2.71

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Laboratories	Newly Added
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 partially)	Version	Year of automation
Koha: Library Administrative Open Source Software	Fully	18.11.04.000	2012
DSpace: Institutional Digital Repository of Open Source Software	Fully	1.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	10064	4186004	2443	51771	12507	4237775
Reference Books	1245	921448	10	7495	1255	928943
e-Books	340	0	0	0	340	0
Journals	348	521339	32	84880	380	606219
e-Journals	83	0	0	0	83	0
Digital Database	2	1372887	0	0	2	1372887
CD & Video	781	0	0	0	781	0
Library Automation	2	0	0	0	2	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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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	263	6	263	1	1	7	5	16	0
Added	0	0	0	0	0	0	0	0	0
Total	263	6	263	1	1	7	5	16	0

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

16 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	NIL

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
55.73	48.33	96.58	122.86

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)

Laboratory: - The College ensures optimum allocation and utilization of the available financial budget for maintenance and upkeep of different facilities by holding regular meetings with Principal, HODs and faculties associated with above facilities. Every year budget is assigned to each laboratory for maintenance and calibration of equipment. Record of maintenance is maintained by concerned technical assistant and lab in-charge. Different registers like Laboratory utilization, issue-borrow and lab maintenance file is maintained by concerned technical assistant and lab in-charge. **Library:** - At the start of every semester list of required books is taken from all the departments. The finalized list of required books is duly approved and signed by principal and management. The central library has fully automated software KOHA. Suggestion box is installed inside the reading room to take users feedback. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are resolved by the library staff. Apart from the central library the college also has six departmental libraries. The utilization and maintenance of departmental library is looked after by departmental library in-charge and library assistant. **Computers:** - All the departments have computer labs (07) as per their requirements. Record of utilization and maintenance of computers are maintained by the respective lab in-charge and lab assistant. **Classrooms:** - At the department level HODs submit their requirements to the Principal regarding requirement of furniture and maintenance of classrooms, which is putted in front of CDC/BOG meetings. The college development fund is utilized for maintenance and minor repair of furniture and other electrical equipments. With the help of the house kipping staff cleanliness of class rooms is maintained

Sports Complex:- College has separate indoor sports complex with gymnasium facility. Sports committee submits their requirements to the principal accordingly purchase process has been done by stores department. Borrow issue of equipment is handled by sports in-charge.

<http://www.vpmpcoe.org/iqac%204.4.2.html>

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	EBC, Minority, Dr. Panjabrao Dehmukh Hostel Maintenance Allowance Scheme, Scholarship Freeship	326	8218213.5
b) International	Nil	0	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
TCS on line Courses Orientation program	02/08/2019	24	Mr. Ashok Mane Contact No: 98922 91882
GATE Preparation Classes	06/01/2020	42	MPCOE Mech. Faculty Contact no: 7770038685
CSS Lecture by Mr Santosh Karkhanis on Engineering Mechanics Basics	18/09/2019	22	Mr.Santosh Karkhanis Contact No: 9821118891
CSS Lecture: by Dr.Anand Nayak on Application of Matrices and Complex Numbers.	17/09/2019	21	Dr.Anand Nayak Contact No: 9987272587
Bridge Course	08/07/2019	17	VPMS Maharshi Parshuram College of Engineering, Velneshwar Contact Person : Dr.Amit Mane (9527634958)

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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 passed in the comp. exam	Number of students placed
2019	Amateur Station Operator Certificates Examination (HAM Radio Club)	24	24	9	9
2019	Wheebox Employability Test	8	8	0	0
2020	Career Guidance by Alumni Student Mr. Sachin Dhawade	0	13	0	0
2020	Motivational Speech IES Mr. Amit Goutam	0	120	0	0

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
GAIL India Limited	36	5	PACE Business Machine Pvt. Ltd Thane	1	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	Civil Engineering	University of Auckland	MS

2019	1	BE	Civil Engineering	Trinity College of Engineering Research, Pisoli	ME
2019	2	BE	Civil Engineering	B.R. Harne College of Engineering & Technology, Karav	ME
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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
Any Other	1
Any Other	9
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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
Quiz	Institution Level	72
Rangoli	Institution Level	36
Mehandi	Institution Level	10
Debate	Institution Level	29
Pot Painting	Institution Level	10
Sketching	Institution Level	48
Installation	Institution Level	111
Instrumental	Institution Level	11
Singing	Institution Level	58
Dance	Institution Level	55
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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	Gold Medal	National	1	0	INS18F005	Darshan Santosh Pashte
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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)

As per guidelines given by Mumbai University we have form College Student Council (Adhoc) for the academic year 2019-20 on 10th October 2019. This

committee is comprised of 17 members, which includes 13 students and 4 faculty members. This committee will look after welfare of students and to promote and Co-ordinate the extra- curricular activities of different student association for better corporate life. Currently this committee is planning various activities under the Annual function organized by the college SAPTAK 2020. Regular meetings are been arranged and conducted by the faculty coordinator of the committee. First activity conducted under this committee is flag hoisting on 71st Republic day. Where a group of NSS student performed various Skits, a parade was organized by student president followed by his speech on Republic day. A group of students have visited to nearby village Pimper and organized one camp of eight days. In this camp they have completed various task like Cleaning of surrounding under Swachh Bharat Abhiyan, Building small dam under (Pani Adava Pani Jirva), make the village people aware of Women Education, Women Empowerment by organizing lectures and seminar from different Eminent. Also they have conducted an awareness program to villagers regarding Cashless India. In the month of August a group of 10 Students from Student Council have attended an online meeting organized by Vice Chancellor of Mumbai University where the following points were discussed Online Lectures in rural areas are not effectively conducted, Regarding online exam of final year issues were raised, etc. Currently we have from a new enrollment form for student who are willing to join for new Adhoc Student Council as Final year students have passed out and left college.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

133

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

2 meetings were organized in the year 2019-20. First meeting was conducted on 12 January 2020 in campus in that meeting Ad hoc Alumni association committee were formed in very next month we had conducted second meeting on 10 Feb 2020.

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)

Practice-1: The VPM's MPCOE always believes in Excellent Academic implementation for the library and other sections Institute's management strongly believes in decentralization of authority and participation of various stakeholders/committees in the decision-making process. To make teaching-learning and administration processes more effective, the institute has deployed Faculty and staff development Programs such as Latex, Moodle LMS, and Rising above beyond Excellent workshop. Institute Conducted 40 hours workshop certification program in Department Level and Technical Events such as Tech Fest for the student. The Management has always take initiative to develop a good relationship between Parents and the Institutes formation of Parents students association. To Evaluate performance in Administration and Academic throughout the year with help formation of Academic and Administrative Audit

Committee (AAA) which conducts Internal Administration and Academic Audit twice in a year and conducts one External Academic and Administrative Audit.

Technical knowledge and number campus placement hence conduct more no industrial visit, Internship Industrial training programs, Industrial Expert Guest Lecture, competitive exam preparation guidance for students. The use of technical knowledge for local community people the institute always takes initiative making local aspect projects such as Security System Alert and Automatic School Bell with an enrollment of students and faculty. Practice-2: The VPM's MPCOE always believes in enhance the first-year admission provides excellent and quality of education for the entire Kokan region from Raigad to Sindhudurg District institute decide has launch MHCET Velneshwar Pattern Mobile Application and MHCET YouTube Channel for 12th Science Student. MHT CET (MH CET) or Maharashtra Common Entrance Test is conducted by the State Common Entrance Test Cell, Mumbai for admissions to first-year Engineering and Technology programs (BE/BTech) and Pharmacy programmers (B Pharma/PharmD) in the state. Till 2018, the exam used to be conducted by DTE, Maharashtra. This Youtube channel is designed by VPMS Maharshi Parshuram College of engineering Velneshwar for the needy students who are preparing for the Engineering entrance exam at FREE of cost by expert faculties so We named it as MHTCET Velneshwar Pattern. There are two platforms one is an android app and the second is a YouTube channel. Students can attempt est by using MHTCET Velneshwar Pattern app and if they wont clear the concepts of Mathematics, Physics, and Chemistry, They can go through YouTube videos. There are 650 Active users of MHTCET Velneshwar Pattern App and 120 YouTube Channel subscribers.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>Admissions of students for First year BE DSE students is done through rules and regulations laid down by Directorate of Technical Education (DTE), Mumbai, Maharashtra. The admission process is based on the marks in the qualifying examinations which are Maharashtra Health and Technical Common Entrance Test (MHTCET) and Joint Entrance Examination (JEE) for First year of BE.State level ranking and allotment to various institutions, as per the option exercised by the candidates. Fee Structure The fee structure is as prescribed by Shikshan Shulk Samiti Government of Maharashtra.</p> <ul style="list-style-type: none"> • Institute spread the relevant information regarding admission process by News Paper Advertisements, Social Media like Facebook, What'sApp, Radio Channels etc. • Institute is authorized to run FC Center • Institute also participate in various Educational Fairs (Exhibition).

<p>Industry Interaction / Collaboration</p>	<p>VPMS MPCOE have an Industry Institute Interaction Cell. • MoUs with different industries for student training. • Sponsored project under Industry Institute Interaction Cell. • Expert talks delivered by Industry peoples to students. • Every year Industry Institute Interaction Meet is organized. • Various department students actively participate in Internship Program in various Industries.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Library is upgraded every year with new books, periodicals, journals, e resources. D-Space is implemented in campus for academic and administrative convenience and to improve process efficiency</p>
<p>Examination and Evaluation</p>	<p>• The regulations, curriculum and syllabus of all the programs offered by the Institute are available in the Central Library and respective departmental library also on the affiliated University websites. • At the commencement of the term students are notified about the criteria for evaluation of University of Mumbai. • Induction programmes are conducted for First Year students as well as parents and for second year students where they are made aware about university and institute evaluation procedure. • Institute also declares criteria for distribution and evaluation of term work marks which includes attendance, timely submission, viva and performance. • Academic calendar is drafted and notified to students in the beginning of semester containing s academic and extracurricular activities including dates of internal exams. • The students are informed of the same through Class Committee Meetings and distributing the circular in the class rooms and displaying the same in the Notice Boards. • The complete evaluation procedure in the form of regulations of various programmes are printed in the academic calendar and distributed to all the students. • The End Semester Exam (ESE) results once declared are also displayed on notice board to students. • Any Change/amendments made in the regulations are conveyed to the students by the Class Coordinator in the Class. • The evaluation processes</p>

are also explained to the parents during the First year Orientation. • Announcement of test dates to students are in academic calendar as well as any change in dates are also informed through departmental notice boards and email. • Information used to send to parents through SMS, Letter. • Maintaining records and access to the same by students and faculty as and when required. • The question paper pattern, unit wise question bank and model answer paper is informed to the students by the concerned faculty members. • Information regarding verification and revaluation for University examination is displayed in notice board from time to time.

Curriculum Development

Since the institute is affiliated to University of Mumbai (UoM), we don't have flexibility for Curriculum Development on our own.

Teaching and Learning

- Classrooms with ICT facility.
- Facility of seminar hall in Institute
- WiFi Campus
- Provision of elearning resources in Central Library.
- Organization of remedial classes.
- Faculties and students are appearing for NPTEL courses.
- NPTEL videos are shown in class rooms.
- Well Organized course files and lab manuals for all courses.
- Student feedback on teachers and necessary followup.
- Allow faculty to participate in various FDP before commencement of each academic year.
- Continuously strengthening and updating of the laboratory equipment, software and the library resources.

Research and Development

- Allocation of budget for in house Research Development
- Incentive given for publications.
- Financial assistance given to student's innovative projects and models.

Human Resource Management

The admission of students to the First Year of B.E. programmes is done through rules and regulations lay down by Directorate of Technical Education (DTE), Mumbai, and Maharashtra. The admission process is based on the marks in the qualifying examinations which are Maharashtra Health and Technical Common Entrance Test (MHTCET) and Joint Entrance Examination (JEE), state level ranking and allotment to various institutions, as per the option exercised by the candidates.

Understanding the knowledge and interest of the enrolled students, the institute has following strategies in order to bridge the gap:

- Institute carefully considers the content of syllabus which the student studied till 12th standard. It has the mechanism to identify the gap in the syllabus to understand the engineering curriculum of first year.
- The students are counselled regularly by the senior faculty team and address them on their studies and personal issues so that, they can perform well in academics
- Language Lab has been established and the students are trained to improve proficiency in English language.
- An effort is taken to motivate students by organizing various activities and courses for personality development programmes, workshops, technical festivals, conferences and symposia.
- A class teacher and a mentor are deputed for every class in order to identify the weak students and help him/her with counselling and intensive coaching.
- Students according to their interest are advised to attend internship/implant training programs in vacations.
- The Diploma students who join through lateral entry scheme lacks with fundamentals in Engineering Mathematics, which in turn affects their performance in analytical subjects. Hence remedial classes in engineering mathematics are organized to upgrade their mathematical skills.
- Students are encouraged to participate in paper presentations and project competitions organized by parent Institutes and other colleges.

Academic performance information Teaching, learning and evaluation related activities, Cocurricular, extension, professional, development related activities. Research, publication and academic contributions.

Performance appraisal system of the nonteaching staff: Annual assessment for the performance based appraisal system is adopted as per guidelines by Government of Maharashtra. Hence it is ensured that information on multiple activities is appropriately captured. The review of the performance appraisal reports as done by the management and the major decisions taken. The management reviews the performance appraisal for suitable

suggestions and remedial actions like regularizing the staff after probation period, deciding the regular increments and deciding promotions. Workshops/ Training programmes conducted/organized by the Institute/ Departments for the staff and students

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

E-governance area	Details
Planning and Development	Implemented SMS system for dissemination of information including regular notice to all stakeholders. Regular Notices Circular publish / communicate to all staff students through email Whatsapp
Administration	<ul style="list-style-type: none"> • Leave card system for employees.. • Notice display system for students and other stakeholder. Regular exercises to submit various reports to AICTE, DTE, University State Govt. Through on line portal. • Initiative taken towards make MPCOE as a less paper consuming unit.
Finance and Accounts	<ul style="list-style-type: none"> • Fully computerized office and accounts section..Monthly Salary through online Banking. S.R Software Pune Developed Account Software is used in Finance department to monitor student fee payments, late fees, payment of examination fees and also for issuance of suppliers bills, payments etc. All financial reports are generated for internal and external financial audits. Online Payment Link facility is also available in college. website support by Union bank of india Palshet for students.
Student Admission and Support	Online admission including online payment gateway. LMS module of the D-space is used to upload the learning resources such as syllabus, question bank, lab manual, MCQs, study material, PPTs, notes, video link etc which are used by the students. For smooth functioning of the academics and administration, students' basic detail reports specifying program, year, academic year, division, enrollment number, name, and so College Developed In House software to support admission
Examination	All examinations are conducted on behalf of University of Mumbai. Records of student Internal Assessment marks, exam related notification etc. are maintained in college website system and students can view their performance

in continuous assessment, however the end-semester examinations are conducted by affiliating University

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.Rajnit Rakshaskar	Industrial meet at Ratnagiri Gadre Marine	NIL	850
2019	Mr.Gajanan Khapre	NSS Meet at Don Bosco College of Enginnering Mumbai	NIL	1180
2019	Mr.Nikhil Gokhale	Industrial Meet Finolex Ratnagiri	NIL	1714
2020	Mr.Ratnadeep Keer	Workshop on IPR VPM Thane Mumba	NIL	500
2020	Mr.Nandkishor C hougule,Mr.Rajni tu Rakshaskar, Mr.Ketan Kundiya Mr.Gajanan Khapre	Workshop on IPR VPM Thane Mumbai	NIL	4820
2020	Mr. B A Patil	AICTE workshop regarding EOA	NIL	1350
2020	Mr.Sufiyan Mukadam	One day Coordinators workshop on arduino at IIT Bombay	NIL	664
2020	Mr.Yogesh Katdare	Avishkar Competetion at Nerul Mumbai	NIL	950
2019	Mr.Sufiyan Mukadam	IIT bombay workshop	NIL	420
2019	Dr.Shilpa Deorukhkar	Mumbai Univesity Festival Workshop At Dapoli	NIL	1118

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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	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	One Week workshop On LaTeX One Week workshop On LaTeX	One Week workshop On LaTeX	11/11/2019	16/11/2019	27	5
2019	One Week FDP On Moodle Learning Management System	One Week FDP On Moodle Learning Management System	02/12/2019	07/12/2019	38	10
2020	FDP on Rising above and beyond excellence	FDP on Rising above and beyond excellence	02/01/2020	05/01/2020	28	5

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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
Online Course on Examination Reforms	2	29/04/2020	02/05/2020	4
National level One Week Online Faculty Development Program on "Open FOAM"	1	28/04/2020	04/05/2020	7
one week online Faculty Development Program on "OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE"	1	11/05/2020	15/05/2020	5
Modelling and Real Time Implementation on Electrical System (AICTE Sponsored)	1	04/11/2019	09/11/2019	6

An Online FDP on Research Opportunities in Power Engineering (ROPE-2020)	1	22/04/2020	27/04/2020	6
AICTE ATAL Online FDP on Cyber Security	1	28/05/2020	01/06/2020	5
One Week National Level FDP on ICT Tools in Education Using Moodle	1	22/05/2020	26/05/2020	5
One Week FDP On Moodle Learning Management System	38	02/12/2019	07/12/2019	6
One Week workshop On LaTeX	27	11/11/2019	16/11/2019	6
FDP on Rising above and beyond excellence	28	02/01/2020	05/01/2020	4

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	33	0	34

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Need based Training Programmes are arranged by the Institute for the faculty. • Faculty members are permitted to attend Training Programmes conducted at different institutions. Provident fund, Gratuity, Accidental Insurance Cover, Study leave, , Women Empowerment Programs, Free medical Aid and Emergency Services, On campus employee residences, Doctor on call. 	<p>First aid unit in every department/ building. Provident fund, Gratuity, Accidental Insurance Cover, Skill enhancement leave, Women Empowerment Programs, Free medical Aid and Emergency Services, On campus employee residences, Doctor on call. All leave facilities are available.</p>	<ul style="list-style-type: none"> • Medical Facility for students on request • Medical officer visits the college on call • Play Ground Facility • Concession in Fees for Needy Student • Green Gym • Canteen Facility in less Rate ,Wi-Fi enabled campus, Cafeteria and clean drinking water facilities, Accidental Insurance Cover

6.4 – Financial Management and Resource Mobilization

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

External audit is done by the Chartered Accountant. The last External Audit is done up to financial year ending 31/03/2019. Statutory Audit done Regularly for every Year by Mr.S.V.Kale Chartered Accountants,Thane.

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
Malani Mart Shrugartali	4990	Security System Project
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6.4.3 – Total corpus fund generated

6490

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	VPM Thane	Yes	Academic audit committee constituted by Principal
Administrative	Yes	VPM Thane	Yes	Administrative audit committee constituted by Principal

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

NIL

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

To encourage support staff for skill enhancement, short-term training programs. To provide support for upgrading qualifications of support staff .To conduct programs for health awareness, blood donation etc. To provide Financial support to non teaching staff for attending workshop .

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

1)Make MPCOE as a Less Paper unit 2)Every department should arrange 2 workshops of 40 hours for teachers,students for skill development 3)Internal external academic administrative audit. 4) Faculty Development Programs on college Level.

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	Formation of internal administrative academic audit committee	15/10/2019	15/10/2019	25/10/2019	120
2019	Online feedback from all stake holders	08/10/2019	08/10/2019	13/10/2019	700
2019	Start use of MOODLE LMS LaTeX for report writing	01/10/2019	11/11/2019	07/12/2019	600
2019	Every department should organize forty hours workshop for teachers students	03/10/2019	04/10/2019	31/10/2019	400
2019	Every department should publish at least two papers in UGC journal	04/10/2019	04/10/2019	04/01/2020	46
2019	Formation of Teacher-Parent association	04/10/2019	25/10/2019	25/10/2019	15
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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
Women health Care and Awareness Program	24/01/2020	24/01/2020	69	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

Percentage Annual Power requirement met by renewable energy sources 39.15

Renewable energy source: Rooftop Photovoltaic Solar Energy Plant

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	100
Provision for lift	Yes	145
Ramp/Rails	Yes	10
Rest Rooms	Yes	15
Scribes for examination	Yes	2

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	0	1	14/08/2019	18	Sangli-Kolhapur Flood Donation Campaign	Donated educational material to flood-affected students of Sangali and Kolhapur	60
2019	1	0	06/11/2019	120	Anvenshna 2020 project competition	Inculcate Science and Engineering curiosity among local rural students	3
2020	0	1	11/01/2020	07	Electrical Safety Week	Awareness and training to school students for electrical hazards, danger of handling electrical equipment	775

						and precautions to be taken while handling electrical appliances	
2020	1	1	09/02/2020	20	Electrical Bell Project	Automatic Bell system for school was designed and made for Z.P. School No. 1 Shivane	5
2020	1	1	14/02/2020	25	Security System Project	Security system was designed and made for 'Malani Mart' Shrigartali	5

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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)
Rules of conduct, discipline and service conditions for the employees	01/07/2019	Rules of conduct, discipline and service conditions for the employees followed for the year 2019-20 as it is from the year 2013-14.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day Celebration	15/08/2019	15/08/2019	132
Fit India Movement Program	29/08/2019	29/08/2019	230
Teachers Day Celebration	05/09/2019	05/09/2019	20
Republic Day Celebration	26/01/2020	26/01/2020	180

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

1. Generation of power using solar energy, institute has installed 40KW solar unit .This energy is utilised for academic buildings. Also, the solar water heating system is fitted on top of each residential building which includes hostels, teacher housings and a rest house. LED lightings are fitted wherever possible for minimal energy consumption. Automatic street lights are preferred for reducing energy loss.

2.The campus is having a Sewage Treatment Plant (STP) which helps to purify wastewater from the academic and residential area. Purified water from the STP is reutilised for maintaining green cover around the campus.

3.Use of more LED than CFL.

4.Digital Library

5.Complete ban of polythene at campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I 1. Title of the Practice: 40-hour workshop for students to meet industry and professional requirements. 2. Objectives of the Practice: The main objective of these workshops is to bridge the gap in the syllabus assigned by the university to meet the academic, social, industrial and professional requirements of students. The learner-centred approach was used to help students to understand the basics in the syllabus, get advance practical knowledge in the respective field, effectively handle available engineering tools and motivate them for research and development field. 3. The Context: Students admitted in this institute are mostly from the rural area of this Konkan region, which is hardly linked with the industrial and corporate world. Hence, they require more exposure to their academic, industrial and professional excellence. Hence, it was essential to take initiatives and encourage the students to excel in academics as well as go through the advance workshops which will expose them to the present industrial world and make them ready to solve future engineering problems. The restricted time frame given by the university in semester pattern is also a challenging issue to finish the syllabus and organize advance long-duration workshops. Moreover, the majority of the students are from the poor rural background which cannot afford fees for the advance long duration courses. 4. The Practice: The institute has initiated this practice of conducting 40-hour workshop from the current academic year 2019-20. The suggestion was given by the Internal Quality Assurance Cell (IQAC) to help students to attain higher learning objectives. In this practice, each department will conduct at least two 40-Hours workshops in each academic year according to the need of the students in their respective field. Civil Engineering Department recently conducted one 40-hour workshop on 'Revit Architecture' between 30th September to 6th October 2019. Revit Architecture is recent software in civil field and mostly used for building planning and 3D modelling. This software creates a perfect scenario of what is going to happen at the construction site and all the design clashes will be able to rectify using the Revit Model. Moreover, there is an option for Structural Design and Analysis of Framing, Columns, Slabs etc. The software can also be used for Rebar detailing and cost reduction in estimation of the project as one can purge all the unwanted and unused materials. Electronics and Telecommunication Engineering Department in association with E-Yantra IIT Bombay and ISTE have organized a 40-hour workshop on 'Robotics' for students in October 2019 to boost the programming knowledge and interfacing with the various sensor. In the session Input-Output programming, LCD interfacing with Firebird V, DC motor interfacing, various sensor interfacing like IR sensor, Ultrasonic sensor interfacing was practiced. Mechanical Engineering Department organized a 40-hour workshop on 'CATIA-V5 software' between 7th to 12th October 2019 for

final year students. In this workshop students gain knowledge and practised different tools in CATIA software like part modelling, surface modelling, sheet metal and wireframe modelling, assembly modelling, drafting, etc. and also understood their industrial applications. Applied Science and Humanities Department also organized two courses of 40-hour 'Bridge course' and 'Student Induction Program' in the July month for the fresh batch of first-year students before actual commencement of the semester. Bridge course was introduced to bridge the gap between subjects studied by students at the pre-university level and engineering subjects. The student induction program was implemented to make newly joined students feel comfortable in the new environment, open them up, set healthy daily routine, create bonding between peers and faculty, give a broader view of life and building character.

Best Practice-II 1 Title of the Practice: Less-paper practice across the institute.

2 Objectives of the Practice:

- To inculcate the habit of green practices among all stakeholders.
- To reduce paper usage and help to save nature.
- To increase the work efficiency by reducing paperwork.
- Encourage educators to use technology for communication over traditional methods.

3 The Context: An education institute uses a ton of paper every year for various purposes. Knowingly reducing paper usage is probably the most important part of reducing deforestation and the ecological destruction caused by paper manufacturing. Institutes can make a massive contribution by becoming more conscious about reducing paper usage. Hence, we are inculcating this practice among all our stakeholders including students. Lots of efforts and time gets wasted daily of staff and faculty members to maintain various paper-based records. To store and search paper records is again a tedious work. On the other hand, to use, maintain and search records in soft copy is much easier and time-saving. As technology is evolving educators also need to adopt the change and use new ways to communicate with other stakeholders. We always encourage our faculty, staff and students to use this technology for fast and effective communication.

4 The Practice: Being an educational institution, we cannot reduce our paper usage to zero. However, the institute has initiated the practice of using less-papers on each front. The admission process of the college is online and at our level also, institute prepared in-house software for the enrolment of new students. Separate leave applications form for employees are now replaced with a single leave card which can be used throughout the year. Feedbacks from students, parents, alumina, faculty and staff are now taken online or through software at the college level. Feedbacks for most of the events and workshops are conducted online and even e-certificates are issued to participants instead of paper-based certificates. Course notes are provided to students through LMS like Moodle, D-space or Google classroom. Institute has taken subscription for many online journals instead of hard copy. Moreover, our library provides soft copy for some of the books which can be accessible at any time. The uniqueness about the practice is the support of technology. And being a technological institute, we are trying to use it wholly for supporting the practice. One of the limitations of the practice is we cannot go entirely for paperless hence we are continuously extending our efforts to go for less-paper practice.

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

<http://www.vpmpcoe.org/igac/7.2.1%20Best%20Practices%202019-20.pdf>

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

PROVIDING GLOBAL PLATFORM TO STUDENTS FOR ENHANCEMENT OF TECHNICAL COMPETENCY
VPMS Maharshi Parshuram College of Engineering consistently provides motivation, support platform for students to showcase their skills knowledge in

various competitive Technical Events. This helps the students to deal with the problems that engineers have to face in real world scenarios by conceptualising, designing, fabricating testing the fabricated prototype. The Institute provides the necessary funds resources required to strengthen such activities which will help students to enhance their technical competency. Initially this started with a dream which further led the teams to turn into strong contenders. This venture began with a vision to gain the essential experience confidence by participating in national level events. Our Students participate in Intech Olympiad organized by College of Engineering Pune on every year. We have MOU with College of Engineering Pune. Such Competition plays a vital role to assess ourselves in technological aspect. Objectives: 1) To inculcate multidisciplinary working culture amongst students. 2) To develop entrepreneurial, leadership project management qualities required to achieve greater goals. 3) Experimentation for real life problems. 4) Enrich design, fabrication, testing and presentation skilled students. Achievements:- Our studnets won the cash prizes of Rs.10000/- in Intech olympiyad 2019 held at COEP.Pune.

Provide the weblink of the institution

[http://www.vpmmpcoe.org/igac/7.3.1\(2019-20\).pdf](http://www.vpmmpcoe.org/igac/7.3.1(2019-20).pdf)

8.Future Plans of Actions for Next Academic Year

The plan of action for the Academic Year 2020-21

- International Organization for Standardization (ISO) certification: To ensure standardization and quality assurance of management system and documentation procedure in institute we shall apply for ISO certification.
- Value-added courses: Institution will take more efforts for adding Value-added courses imparting transferable and life skills in the forthcoming years.
- Intellectual Property Rights: Workshops/Seminars will be conducted on Intellectual Property Rights (IPR) and
- Industry-Academia Innovative practices: To bridge the gap between academic and industry we promote industry oriented internship programs.
- MoUs: Institutions will make its best efforts to have MoUs with institutions of national, international importance, other universities, industries, and corporate houses.
- Conferences/workshops/seminars: Institute shall take best efforts to organize state/National level conferences, paper presentation and project completion. Also organize various short term courses, workshops, seminars from experts under various departments.
- Guest lecturers: To further upgrade the quality of Guest lectures on current topics and emerging trends, so as to prepare our students as entrepreneurs and professionals for the global market.
- GATE guidance cell: To set up guidance cell for those aspirants who are preparing for GATE and other competitive examinations.
- To initiate new techniques in developing the students to face modern methods of personality tests and interview skills.
- To enhance outreach programs for the members of the backward community.
- To improve placement ratio with the help of Alumni.
- To increase the use of modern and innovative teaching aids for effective teaching learning process.
- To increase number of e-books, research journals and e- content.
- To promote research activities.