



## YEARLY STATUS REPORT - 2020-2021

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	
	VPM'S MAHARSHI PARSHURAM COLLEGE OF ENGINEERING
• Name of the Head of the institution	Avinash N. Pawar
• Designation	Principal (in-charge)
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02359243103
• Mobile No:	9004690479
• Registered e-mail	principal@vpmpcoe.org
• Alternate e-mail	mpcoe@vpmpcoe.org
• Address	A/P Velneshwar Taluka Guhagar District Ratnagiri
• City/Town	Velneshwar
• State/UT	Maharashtra
• Pin Code	415729
<b>2.Institutional status</b>	
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

• Name of the Affiliating University	Mumbai University				
• Name of the IQAC Coordinator	Ketan R. Kundiya				
• Phone No.	9552979412				
• Alternate phone No.	9552979412				
• Mobile	9359457263				
• IQAC e-mail address	iqac@vpmpcoe.org				
• Alternate e-mail address	ketan.kundiya@vpmpcoe.org				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.vpmpcoe.org/naac/AOAR%202019-20.pdf">https://www.vpmpcoe.org/naac/AOAR%202019-20.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://vpmpcoe.org/academic%20calendar.html">https://vpmpcoe.org/academic%20calendar.html</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.42	2019	18/10/2019	18/10/2024
<b>6.Date of Establishment of IQAC</b>			08/02/2018		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
NIL	NIL	NIL	NIL	NIL	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			2		

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	Yes	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
Formation of Institutions Innovation Council (IIC)		
Starts Konkankanya Scholarship Scheme for Girl students to promote girls education		
Conduct Internal Academic and Administrative Audit		
Online feedback system for collecting feedback from students, parents, teachers/staff		
Council of Senior Scientist (CSS) guidance on final year students' projects/mini projects		
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes
Formation of Institution's Innovation Council (IIC)	Formed Institution's Innovation Council (IIC) and planned activities under IIC
Tried to make our institute as less paper consuming unit	We have saved more than 18000 papers during the year
Formation of revised Student Council as per UGC University guidelines	Revised Student Council formed as per rules of UGC norms.
Take Online feedback from all stakeholders	Online feedback taken from students, parents, teachers/staff
Conduct CSS (Council of Senior Scientist) guest lectures for student's skill enhancement	Every department has organized guest lecture sessions of CSS(Council of Senior Scientist)
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Nil	Nil
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2021-22	19/01/2022

## Extended Profile

### 1. Programme

1.1 298

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**2.1 366

Number of students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.2 67

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 177

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**3.1 34

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 42

Number of Sanctioned posts during the year

## Extended Profile

<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>298</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>366</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>67</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>177</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>34</b>
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	42
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	28
Total number of Classrooms and Seminar halls	
4.2	98.6
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	264
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Being an affiliated institute, the institute strictly follows the curriculum prescribed by University of Mumbai (UoM)

Before commencement of semester, the institute conducts Submission of Proposal about requirements of laboratory, maintenance, consumables and guest lecturers in the department budget by each Head of Department and Take meeting of Principal and HoDs to decide semester plan. Prepare 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 and Prepare the lesson plan, practical plan and individual timetable based on teaching load. 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 or Updating is done 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 institute conducts Smooth execution of Teaching-Learning along with various co/extra- curricular activities. Maintain the academic diary consisting of attendance, plan/execution of theory/laboratory, Internal Assessment marks. Class/laboratory assignments are communicated to the students at regular intervals. Institute display of cumulative monthly attendance of students and counseling of students with less (than minimum) attendance by mentor/class teacher/HoD. Keep regular Communication with parents regarding students' attendance and result through letters. Take 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. Council of Senior Scientists (CSS) come to MPCOE once in a semester.

Industry personnel are invited for expert lectures to bridge the gap between industry's desirables and academic teachings. Also students are encouraged to visit industries. Students are encouraged for industrial projects. Online feedback from students is taken twice in a semester about Teachers' and teaching-learning process using 10 parameters and teachers are informed by concerned HoD about their performance. Use of conventional, student-centric, ICT based and /or innovative techniques is made by teachers for effective delivery of curriculum. Parents' meet is organized every semester to discuss progress of the students and to welcome suggestions for improvement.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="#">NIL</a>

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



Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of commencement, last working day of the semester, Internship schedule and dates for semester-end examinations. MPCOE follows the calendar issued by the University strictly and plans all its activities including the conduct of Internal Evaluation. The MPCOE prepares an institute-level calendar. Institute calendar of events includes details like the total number of working days and holidays, guest lectures, workshops, industrial visits, other co-curricular and extra-curricular activities. The academic activities and all activities are conducted in adherence to the calendar of events except unforeseen circumstances. The academic calendars help faculty members to plan their respective course delivery research work academic and co-curricular activities. Department heads closely supervise and monitor the completion of the syllabus as per the lesson plan prepared by faculty members. Syllabus coverage decided well in advance and faculty members adhere to it.

Internal Assessment tests (IA), assignments seminars are part of the Continuous Internal Evaluation of students. There is a well-defined process for this as per the calendar of events. The course instructors prepare IA question papers based on the scheme of evaluation. The internal assessment test timetable prepared by the examination committee is published to stakeholders, and conducted as per the schedule. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internships.

Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory course evaluation. As per the laboratory rubrics, the internal test is conducted at the end of the semester. The Principal, through the academic committee meetings, frequently reviews the semester's progress and provides suitable suggestions. In case of revision of academic calendar by the university, institute incorporates the necessary changes accordingly.

File Description	Documents
Upload relevant supporting documents	No File Uploaded
Link for Additional information	<a href="#">NIL</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**C. Any 2 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

5

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

3

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

34

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

34

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

All departments in the institute have courses in their curriculum which integrate cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics. Various programmes are arranged by the institute which contribute to sensitise students to these cross-cutting issues.

#### Gender equality:

Being a co-education institute, the college maintains gender equity in academic and non academic activities. Institute encourages boys and girls to participate in sports and cultural activities. Common rooms for girls and boys are available in the institute. Grievance Redressal committee has been established for addressing the grievances from girls and boys. Common rules like dress code, punctuality, discipline have been implemented for all students and faculty in the institute and hostels. Institute does

not discriminate between girls and boys.

#### Environment and Sustainability:

As a green environment initiative, and considering depleting energy sources, and opting for pollution free environment our institute has installed two solar power plants of capacity 30 kW-hour and 10 kW-hour respectively. Tree plantation of nearly 1200 trees has been completed. College has been conducting various social events such as tree plantation, rallies in nearby villages on the topics like energy conservation, water conservation etc. College has a NSS cell which conducts various environment related activities such as Beach Cleaning drive, village cleaning during NSS camp etc. College has organized various programs/seminars/guest lectures on environmental issues. The institute has setup Sewage Treatment Plant (STP) and Water heater based on solar power for the hostels and for buildings of Housing Colony

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

#### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

175

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students**  
**Teachers**  
**Employers**  
**Alumni**

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

**1.4.2 - Feedback process of the Institution may be classified as follows**

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="#">NIL</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

180

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

#### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

##### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

20

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Slow and advanced learners are identified by End semester examination results and Internal assessment results. Special activities are conducted to improve the level of slow learners like re-write an answers of all questions of Internal assessment in which he/she has failed or got KT in final University exam. Also for advanced learners some practice of solving conceptual questions is conducted in which the level of difficulty of questions is increased. During academic year 2020-21, due to COVID pandemic situation, all the exams are conducted through online mode (Google form) and result was 100%.

File Description	Documents
Link for additional Information	<a href="#">NIL</a>
Upload any additional information	<a href="#">View File</a>

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
366	34

File Description	Documents
Any additional information	No File Uploaded

## 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Practical oriented methods are adopted for better understanding of subject. Some hands on workshops are conducted for students. Also guest lectures from some industrial experts are organised in order to minimize the gap between industry and academics. Students are

encouraged to do more and more industrial projects in order to have an experience of ground field work and its difficulty. For some special subjects some special practices are also conducted in order for better and conceptual understanding of subject. For Example, in subject 'Design Management and Auditing of Electrical systems' of final year Electrical Engineering, special energy Audit is conducted in which students get knowledge to perform Lighting audit. Also they can locate single line diagram of our entire college campus from main incommer to classrooms by actually visiting substation and Power Control Center (PCC).

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="#">NIL</a>

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

ICT tools usage is became popular as well as essential in our institute. It has now become an unavoidable part of teaching process especially from COVID pandemic situation. Faculties use Google Meet, Zoom, microsoft team etc app. Online meeting is conducted as per the timetable. Students use to attend lectures. Faculties also used Pen-tabs as a white board to solve mathematical problems, derivations etc. Some youtube videos are also made and uploaded on youtube channel.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="http://www.vpmpcoe.org/naac/Criteria%20/2.3/2.3.2/PROOF/2.3.2.pdf">http://www.vpmpcoe.org/naac/Criteria%20/2.3/2.3.2/PROOF/2.3.2.pdf</a>

**2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )**

**2.3.3.1 - Number of mentors**

34



File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers against sanctioned posts during the year

34

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

1

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

145

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

In a semester, there are minimum two internal tests. Each of the test consists of descriptive questions as well as analytical. This is for regular practice, but due to covid pandemic situations, in academic year 2020-21, internal tests are conducted through online platform (Google forms). Tests were objective. 10 questions were given which are multiple choice type. For each subject 2 online Internal tests were conducted, one during the mid of the semester and another at the term-end. Finally their average marks arecalculated.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="#">NIL</a>

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

Grievance Redressal Cell deals with all types of grievances, complaints and malpractices including those received from Students, Faculty and other Stakeholders.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="http://www.vpmpcoe.org/grievance/grievance.html">http://www.vpmpcoe.org/grievance/grievance.html</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Each subject teacher describes Course outcomes, Program outcomes and Program specific outcomes for his/her subject during the starting of semester and utmost care is taken in order to have proper mapping between CO-PO and PSO. Teaching plan is prepared which helps to enhance proper CO-PO-PSO mapping. University guidelines are also followed while describing CO-PO and PSO of every subject.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="http://www.vpmmmpcoe.org/peo_ee.html">http://www.vpmmmpcoe.org/peo_ee.html</a>
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Due to covid pandemic situation, all exams are conducted online through Google form (Multiple choice questions). Hence it was impossible to formulate attainment of CO-PO.

So that, there is no data related to it.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="#">NIL</a>

### 2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

175

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="#">NIL</a>

## 2.7 - Student Satisfaction Survey

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

<http://www.vpmpcoe.org/Student%20Satisfaction%20Survey%20AY%202020-21.pdf>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

**3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

**3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

0

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

18

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.2 - Research Publications and Awards

#### 3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

##### 3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

7

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

#### 3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

7

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

MPCOE has a NSS unit, Students' Associations and other platforms through which opportunities are provided to interested students to acquire certain essential traits and skills which may help them in getting a better job / career in future.

It is a very tough task to extract work from students but we continue our efforts. For the past two years College magazine "Manthan" is being published in-house. The idea is to provide a literary platform to students having orientation in this area and motivate them to contribute articles, sketches, etc. Realising the limitations of students, contributions are invited from students in Hindi and Marathi as well.

Through programmes and schemes of Government like NSS, the faculty and students of MPCOE engage with the residents of nearby villages and provide them support as and when feasible. Students of MPCOE take part in cleaning of Velneshwar beach at periodic intervals, either on the invitation from Sarpanch of village or as a part of college activity. VPM has also undertaken a preliminary study, through its institute of Thane, to identify the flora and fauna of the region within the proximity of Velneshwar. `

The Council of Senior Scientists of VPM interacts with the students of Jr. Colleges and High Schools of Chiplun, Guhagar taluka, and neighboring villages through lectures, demonstration of simple experiments for awareness. Visits of students from neighboring Jr. Colleges and Diploma institutes are also arranged to create interest in them about Science and Higher Education by showing them the Virtual Labs, and laboratories of college.

The faculty members of MPCOE have also been invited by Jr. Colleges and Schools for conducting experiments, for motivational lectures and for lectures on English language.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

4

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year****3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

611

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.4 - Collaboration****3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

1

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year****3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

8



File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institute is fully equipped with all infrastructure facilities for Teaching Learning process. The institute has 25 classrooms and 3 seminar halls. The number of laboratories are as per the AICTE requirements. All the classrooms are fitted with LAN facilities, Wi-Fi LCD projectors. The dedicated lease line has been allocated for this campus. It provides all Internet facility to all campus. The institute has developed the intranet facility throughout the campus including hostel and residential area. It helps students to get the study material data stored on intranet. The institute have well equipped computer lab and have all the necessary software like Windows, sada, Sai Lab, language Lab, Autocad et etc. The institute had purchased the database like ASME, ASCE, Springer and stored it on Dspace for references. The students used videoroom facility from library to interact with external experts for the guidance on projects through Skype. The each department have Journal Club to provide the latest journals to the faculty and students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

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

The institute have both indoor and outdoor sport facilities. In

indoor games institute provides the carrom, table tennis, tennis courts, chess etc. It has well equipped gymnasium. The institute has Volleyball ground, kabddi ground, football and cricket ground. The students have facility to watch TV in the canteen area. The two 200 capacity auditorium have available for cultural activity and any other programme. The college have movie club facility for recreation and entertainment. The institute organised sports sabbah every year.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

28

##### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

28

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

98.6

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Library is automated using KOHA Library Open Source administrative software. The library handled the digital content created by MPCOE, Velneshwar through Dspace Software as institutional repository. It archived the purchased e-journals, Powerpoint presentation, and lecture notes in e-format.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	NIL

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

**E. None of the above**

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

### 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

#### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.0119

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

NIL

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Central Server Room is the IT(Information technology) backbone for the campus. The whole campus buildings are connected in LAN (Local Area Network) from Central Server Room through OFC (Optical Fibre Cable). OFC linking helps for better connectivity between the buildings and helps faster data sharing to end user computers, laptops and other devices in the network.

Firewall is installed for web filtering and traffic control. Also used as proxy servers for all users. Different policies are defined for the user according the use. (like Youtube, access, social media access, etc.) User internet usage are monitored and controlled by using firewall

Standard Racks are installed in Central Server Room as well as in each building for mounting network switches.

Core switch from the Central Server Room provides connectivity to each buildings main switch through OFC.

UPS located in Central Server Room provides UPS supply to all IT devices in the campus including EPABX, CCTV and end user Computers, Laptops etc.

- Infrastructure:

1. Standard designed separate Central Server Room with 24 hrs. Air Conditioning facility with 2 A.C. device which maintain the temperature automatically.

2. Three rack mounted servers of HP Proliant DL 180 G6

3. Firewall Fortigate 100D

4. Two number of D-Link network Switches

5. Emerson 60 kVA Libert Nxr UPS with 40 no's of battery bank.

- Functioning - Central Server Room provide following services :

1. File server Administration
2. DHCP Server Administration
3. Antivirus Server Administration
4. Biometric Application Server Administration
5. MOODLE Server (free and open-source learning management system) Administration
6. KOHA(open source Integrated Library System) Administration
7. Dspace (open source repository software) Administration
8. VLAB ( Virtual Lab) Server Administration
9. Intranet Server Administration
10. Website Administration
11. Firewall Administration
12. Network Administrations
13. Backup Management
14. Patch Management
15. License Management
16. Password Management
17. Staff and Students ID Card Access Management
18. EPABX system Administration
19. CCTV Administration
20. ISP Vendor Co-ordination
21. Vendor Management

**22. IT Assets Inventory Management****23. IT Assets Service Management**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

**4.3.2 - Number of Computers**

264

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

**4.3.3 - Bandwidth of internet connection in the Institution** C.10 - 30MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

229.44

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Institute has special Central Server Room for maintaining its computers and different equipments. Maintenance of classrooms are monitored by Academic Administration Store Department. There is a Library Committee which meet regular intervals for facilitating the smooth running of the library activities. Allocation of classes to different classrooms are maintained by the concern department. Timeslots to laboratories, computer labs are done by the departmental time table in-charge in consultation with Head of Department. Sports complex, Gymnasium maintained by Gate office staff and Institute sport coordinator and student body.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

**5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

278

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

#### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

### 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

B. 3 of the above

File Description	Documents
Link to institutional website	<a href="#">NIL</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>



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

123

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

123

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

24

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

6

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

As per guidelines given by Mumbai University we have form College Student Council (Adhoc) for the academic year 2020-2021. 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 had planned various activities under the Annual function organized by the college SAPTAK 2021 through online mode.

Regular meetings had been arranged and conducted by the faculty coordinator of the committee. First activity conducted under this committee is online prize distribution ceremony of meritorious students on 15th April 2021. This year council conducted the prize distribution for academic year 2018-19 and 2019-20 which was delayed due to Covid-19 pandemic. This program was attended by 72 students. Then council has conducted online SAPTAK 2021 during 1st May - 7th May 2021.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

24

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

### 5.4 - Alumni Engagement

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

2 meetings were organized in the year 2019-20. First meeting was conducted on 12 January 2020 in campus in that meeting Adhoc Alumni association committee was formed for next three years, in the month of February 2020. We had conducted second meeting on 10 Feb 2020. No meetings were conducted for the year 2020-21.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

#### 1.VISION

To be a leading, dynamic and responsive centre of Excellence in Engineering and Technology on National stage, to generate, absorb, disseminate, protect and preserve knowledge by encouraging expansion of human knowledge to benefit mankind and drive regional, national and global societal transformation through research integrated with education in a collegial, interdisciplinary, inclusive atmosphere of spirit of inquiry and contribute thereby to the development of socially sensitive students and teachers, who can embrace state-of-the-art information and communication Technology and identify a holistic and integrated view of life as a fusion of mind, body and spirit, to be creative, ethical and exemplary members of a seamless, global society

#### MISSION

To position Maharshi Parshuram College of Engineering (MPCOE) as learning Organization and an important member of knowledge society in seamless world, where all stakeholders of MPCOE work with, listen to, and respect each other to function synergistically with a sense of excitement, enthusiasm and enterprise towards the holistic development of students and teachers who are encouraged to be honest, ethically rich, creative and responsible citizens

#### CORE VALUES-

1.DISCIPLINE- It is the practice of training people to obey rules or a code of behaviour, using

punishment to correct disobedience.

2.PUNCTUALITY OR RESPECT FOR TIME- We promote punctuality and Time Management

among Stake Holders.

3.FREEDOM OF THOUGHT AND EXPRESSION- We believe that Freedom of Thought and

Expression is necessary , as without this overall development of individual cannot be completed.

4.HONESTY AND INTEGRITY- We are committed to practices that are fair, honest and objective

in dealing with students, faculty members, staff and stake holders at all levels of Institution.

5.EXCELLENCE- We promote Excellence in whatever constructive and productive work / activity

Students/ Faculties do.

6.ACCOUNTABILITY AND TRANSPARENCY- We believe in having complete transparency at

all levels of hierarchy to promote a healthier working atmosphere to all. We believe in

Accountability for and Transparency in, all our deeds and actions.

7.PERSEVERANCE- We encourage Perseverance in doing something despite difficulty or delay in

achieving success.

8.ENCOURAGEMENT- Encouragement is provided for critical and quantitative thinking, effective

communication, ethical decision making and social obligation in our students.

9.SOCIAL RESPONSIBILITY- We are focused on promoting the sense of social responsibilities in students by involving them in various social activities that gives them a broader perspective of understanding the causes and possible solutions related to various social issues.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

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 Core Draw workshop, Online Technical workshop on Python Programming. Institute Conducted 40 hours workshop certification program in Department Level and Technical Online Technical workshop on Python Programming 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 Automatic Sanitizer Machine which helpful Covid-19 Pandemic Situation with an enrolment 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 test 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 750 Active users of MHTCET Velneshwar Pattern App and 140 YouTube

Channel. On the basis of central government scheme "Beti Bachao Beti Padhao" .The institute launches his own scheme "Kokankanya Scholarship Scheme" to promote kokan region girls for higher education in Academic year 2020-21.

Decentralization:-Institute has many different committees/cells which are given below. Internal Quality Assurance Cell has been formed in the year 2018-19 whereas others are operational from the year 2012-13

Committee/cell/Coordinator Roles and responsibilities Board of Governors To ensure that stakeholders, including faculties, students and institutional management, and others associated with institute have confidence and trust in our institution College Development Committee (earlier known as Local Managing Committee) The college development committee is formed with an objective of taking inputs from faculties and harmonizing them with administrative decisions. The same committee was earlier known as Local Managing Committee, formed in the year 2013. From 2017-18, it has been renamed as College Development Committee due to circular from University of Mumbai. Internal Quality Assurance Cell To promote /Improve Quality in all aspects like Internal exam, Industry Institute interaction by Internship, SoftSkills Training ,Mentorship etc. with involvement of all stakeholders of institute

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Vidya Prasarak Mandal, Thane (VPM) a renowned educational institution in Maharashtra established in 1935, has been imparting quality education to over 15,000 students through its schools and colleges in Thane. Now it intends to spread its educational activities in rural area of Konkan. Hence it started a worldclass engineering college with the state-of-the-art facilities at Velneshwar. At Velneshwar 35 Acres township college campus contains 3 academic buildings (Shripati, Bhaskaracharya and Ganesh



Daivadnya) that consist of step auditorium for every building, 5 hostel buildings(Dnyaneshwari 1,2,3,4&5), 3 teachers buildings(Dronacharya 1,2&3), gymkhana building (Kridasankul), utility building (Vividha), VPM Building (Nana Phadnavis Sabhagriha, Cafeteria) and guest house (Aprant). Entire academic campus as well as residential area is connected through fiber-optic backbone having 24 hours leased line Internet connectivity, Electronic Security and Power backup. Intranet Culture is developed for faculty, staff and for the growth of students. The said campus becomes functional from the Academic year 2012-13. Academic buildings constructed with barrier free environment, necessary security measures are incorporated (Fire,Safety, CCTVs etc.) as per AICTE guidelines.

Long term strategy of VPM's MPCOE 1.When the college started in 2012-13, only the Director and Principal were Ph.D. holders. 2.Since the management wanted to attract meritorious students of nearby Junior Science Colleges, it realized that it would require qualified as well as experienced teachers in every branch. 3.But qualified and experienced teachers were scarce and were unwilling to stay in Velneshwar.

4.Therefore Management decided to motivate existing teachers & staff to pursue higher qualification. 5.A study leave of 30 days was announced for this purpose to facilitate studies, preparation for exams etc.while pursuing higher studies. This leave was in addition to other routine leave which faculty members are entitled as per policy of Management.

6.To provide Quality education in Rural Konkan region. 7.To make all efforts to make VPM's MPCOE, Velneshwar Students academically competent and also a responsible citizen, ready to join Nation building.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Vidya Prasark Mandal, Thane is an education trust working since 1935. It has around 16 Institutes in India and outside. It has its own organizational frame work for smooth functioning of the institute. Vidya Prasarak Mandal, Thane established Maharshi Parshuram College of Engineering under its education mission in 2012. Managing Committee of VPM strive to achieve goals, Objectives of VPM and to ensure smooth functioning and efficient use of resources of the institute. The institute also has institutional bodies like- Board of Governors (BOG), College Development Committee (CDC) and IQAC. The Managing committee provides broad guidelines to the BOG of the institute.

BOG frames the policies and directs their execution to conform with the vision and mission of the institute along with inputs from CDC and IQAC. The prospective development plan of the institute including the short term and long term goals is prepared by the BOG. Adhering to them, BOG makes major policy decisions, approvals of recommendations by CDC. CDC is responsible for preparing an action plan to achieve the directions of BOG. It also considers feedback of various stakeholders and recommendations of IQAC. IQAC coordinator is a part of CDC. CDC gives recommendations on the report prepared by the Principal, to be submitted to BOG about functioning of the institute, budgetary provisions, faculty and staff selection/recruitment, faculty and staff appraisal and infrastructure development.

Committee members of IQAC at MPCOE are:

- Principal
- HoDs
- Department representatives
- Management representative
- Society representative
- Senior teacher as NAAC Coordinator

In each department committees like Course Coordinator, Program Coordinator, Journal Club gives academic and administrative functioning input to respective HoD and Department IQAC representative. The Principal harmonize the overall functioning of the institute and ensures compliance to AICTE, DTE and University through Registrar, HoDs and Faculty. The Principal prepares reports such as financial budget, status of faculty members, requirement in terms of equipment, development of infrastructure and resources. He also consults with HoDs and IQAC coordinator. All academic and administrative departments have designated heads.

All heads coordinate respective departments to ensure the amicable functioning of the institute and policies to achieve vision, mission and goal of the institute and department. Service rules are as per AICTE, DTE, University of Mumbai and VPM norms. Further, certain norms within the framework of service rules have been designed by the institute through various procedures and quality manuals. Recruitment of faculty members and staff is done as per the norms laid down by AICTE and affiliating University and its approval by the management. The promotional policies for faculty members are based on AICTE Career Advancement Scheme (CAS) and performance based appraisal system adopted by the institute.

Performance based appraisal process is also followed for non-teaching staff. Grievance Redressal mechanism is observed through various committees constituted such as Internal Complaint Committee (Grievance Redressal & Vishakha Committee), Anti Ragging Committee, Canteen Food Committee etc. The Institute has established online grievance redressal mechanism

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Link to Organogram of the Institution webpage	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

#### 6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Institute Provides following measures towards welfare of faculty and staff. Provident Fund - 100% employees including contractual and security staff are covered under Employee Provident Fund Scheme. Regular contribution of Employer and Employees is transferred to PF A/c of respective employee through online mode. Gratuity - All regular employees have been covered under Payment of Gratuity Act, 1972. A separate trust named 'LIC's Employees Group Gratuity Scheme' Group Gratuity Scheme is created and funds are being handled by LIC of India. Group Accident Insurance Policy - The Oriental Insurance Company's 'Student Safety Tailor Made Policy' covers all the employees & can get compensation of Rs. 100000/- in case of accidental Death or disablement due to accident. Deputation of faculty and staff members for higher education - MPCOE has its own policy to promote faculty and staff for their higher education. Under this policy from 2012 to till date MPCOE has promoted five faculties for their higher education on full/part time basis . Apart from this for higher studies, Study Leave of 30 days in a calendar year can be availed by faculties for the same. Financial Assistance - Facility of Duty Leave is available to teachers for attending conference /seminars/ orientation programs as a participant and/or resource person. Accommodation is provided to faculty members. Study leaves & compensatory OFFs: - Study leaves are given to faculties pursuing for higher education and also for those who opt for GATE/NET/SET etc. Teaching and non-teaching staff is also entitled for compensatory OFFs, wherein, they can take leave if they have worked on holidays. Timely payment facility: - salaries are paid in time for each month and are directly credited to bank account. Miscellaneous: - Campus has good WiFi connectivity, with high speed OFC cables serving as backbone network. All college buildings are provided with CCTV surveillance, fire extinguishers and smoke detectors. Institute also has pure veg canteen, which provides hygienic food and it also has water purifiers installed at different locations. Tea and snacks are served during breaks and this facility is partially payable. The institute has residential campus, with rooms endowed with quality furniture and modern amenities. The college has well equipped gym with quality set-ups fitted in. The college has cafeteria, where, students staying outside of the campus take their lunch. Last but not the least, discipline has been given prime importance to make the students sustainable in this competitive world. Shoes and ID cards are made compulsory for students, faculties and nonteachingstaff.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

#### 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

#### 6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

3

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

12

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Performance Evaluation and Appraisal System is implemented in a systematic manner for all the Teaching and Non-Teaching Staff of the Institute at the beginning of every academic year usually in the month of June. The performance is evaluated considering the

aspects shown in the appraisal form attached below. Necessary forms designed by the Institute for undertaking the exercise of performance evaluation are circulated to all the employees for submitting their self-evaluation along with supporting documents wherever applicable. Thereafter the forms are forwarded to Principal with the remarks of the concerned HoD for a face-to-face interaction with every employee to encourage active participation and ensure an unbiased analysis. The panel comprises of Chairman, Principal, Registrar and HoDs.

Further, as a part of performance appraisal, at the end of each semester, Students are informed to fill up online feedback forms. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. A team consisting of the Head of the Department and Principal, goes through the feedback forms collected from the students and suggests suitable measures to improve the teaching-learning process.

The performances are classified into Four broad categories

- Teaching, Learning and Evaluation related activities
- Co-Curricular, Extension and Professional Development related activities
- Research Publications and Academic Contributions
- Strength, Weakness and Opportunuties

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has its own system for internal audit. Our internal audit system comprises of storekeeper, heads of departments, few senior faculty members and lab incharges. These groups are finalized by Principal and then these groups conduct departmental audit separately, without any bias. Those audit reports, as a small part of whole audit, are then sent for final audit to Chartered Accountant Mr. S.V. Kale from Mumbai. So far there have

been no major findings / objections. Minor errors of omissions and commissions when pointed out by C.A. are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. Mr. S.V. Kale (Chartered Accountant) from Mumbai has been conducting internal audit yearly since last several years. Links of audit statements of last five years along with internal audit lab reports are given below. Audit program is mainly focused on following areas: 1. That all project funds have been used as per the conditions of the relevant financing agreement and transparency is maintained at every level of expenditure. 2. All necessary supporting documents, records and statement of accounts have been maintained and all necessary supporting documents such as records, vouchers, bids, etc. and books of accounts have been kept in respect of all project expenditures. 3. That there is consonance between the accounts sheets maintained for the expenditures and reports presented for expenditure incurred. 4. Clear linkages exist between the books of accounts maintained for the expenditures and reports presented for expenditure incurred. 5. That test check and verification of the activities were conducted for the project as planned and that they were in line with the agreed plan of expenditure.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

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

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>



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

The institute has a proper and transparent system for effective and efficient use of available financial resources. Finance Committee and principal are major stakeholders, who constantly monitor and encourage for the proper utilization of allocated funds as per need. Financial matters are closely monitored by the accounts office. The funds are allocated to each department during the preparation of yearly budget. This budget is generally for the requirement or up-gradations. Financial matters are closely monitored by the accounts office. In case of any need where the financial support is required, proper demand in writing is made from the concerned Department e.g. in case of any requirement, the details of the requirement of the equipment, maintenance infrastructures etc. are prepared and proper procedure for purchase is adopted.

- Institute adheres to Utilization of budget approved for academic expenses and administrative expenses by management.
- After final approval of budget the purchasing process is initiated by accounts office in consultation with head of department, accordingly the quotations are collected and after the negotiations, purchase order is placed.
- The payments is released after delivery of the respective goods and it is done as per the terms and conditions mentioned in Purchase order.
- All transaction has transparency through bills and vouchers.
- The bill payments are passed after testing & verification of items.
- Only authorized person operate the transaction through bank.
- Respective faculty member along with head of the department ensures that whether suitable equipment/machinery with correct specification is purchased.
- The entire process of the procurement of the material is monitored by the Purchase committee under the watch of Principal.
- A statement of accounts containing details of income and expenditure, including budgetary is placed in front of the Finance Committee after which it is placed before principal for final approval.
- Financial audit is conducted by chartered accountant every financial year to verify the compliance.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Since quality enhancement is a continuous process, the IQAC will become a part of an institution's system and work towards realizing the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions. The IQAC will make a significant and meaningful contribution in the post-accreditation phase of institutions. During the post-accreditation period, the IQAC will channelise the efforts and measures of an institution towards academic excellence. Some of the quality initiatives of IQAC are:

1. Mentoring and counseling through mentor-teachers  
 2. Outcome Based Education  
 3. Remedial action for Slow and Advanced Learner  
 4. Motivating the faculty members for research and development

1) Mentoring: The method adopted for monitoring is given below :  
 1. Approximately 15 students (mentees) are assigned to the faculty member (mentor) at the beginning of the academic year,  
 2. The mentor interacts with the mentees and communicates to the committee periodically and/or as and when required.  
 3. The committee meets regularly to take stock of activity and address related issues.

2) Outcome based Education

Question paper for Internal Assessment is based on Blooms Taxonomy. Course Outcome (CO) and Blooms Taxonomy Level (BLL) is indicated on the question paper. This direct assessment method will evaluate students on their understanding of Course Outcome and Blooms Taxonomy Level. CO Attainment is done for Internal Assessments.

3) Remedial action for Slow and Advanced Learners  
 Slow and Advanced Learners are identified for each semester. Remedial action are taken for Slow

- Learners areas follows
- Two Assignments
- Coaching
- Remedial action are taken for Advanced Learners areas follows
- Gate Questions

4) Motivating the faculty members for research and development

- Journal Club is formed in each Department to promote Research Culture in Faculties.

IQAC keeps followup meetings and discussions are held on Importance of

- Importance of NAAC Accreditation for the Institute.
- Vision and Mission Statement of Institute and Dept as well.
- Data Collection on Criterias 1 to Criteria 7 across each department
- Criteria Wise Consolidation
- CO , PO and its attainment
- How to classify Slow and Advanced learners
- Result Analysis
- MentorShip System
- Parents Feedback
- Alumni Feedback

5) Training and Placement (T&P): The college has training and placement cell since 2015, besides carrying on campus drives, T &P cell also conducts seminars, workshops, Mock Interview sessions and Soft Skills development programmes.

Benefits IQAC facilitates/contributes:

- To heighten level of clarity and focus in institutional functioning towards quality enhancement and to facilitate internalization of the quality culture.
- To enhance and integrate among the various activities of the institution and institutionalize good practices.
- To act as a change agent in the institution.
- To have smooth flow in internal communication.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC has been monitoring the quality of teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals during its monthly meetings. Two Examples of Institutional Reviews and Implementation of Teaching, Learning Reforms facilitated by the IQAC:

1) CO-PO Attainment: - Outcome-Based Education (OBE) is a student-centric learning model that helps teachers to plan the course delivery and assessment with the end point in mind.

- This practice has been started from academic year 2018-19. It introduces the concept of Bloom's Taxonomy in question papers of the Internal Assessment. Standard framework along with inclusion of Bloom's taxonomy to evaluate department level CO-PO attainment was designed and implemented as per IQAC recommendation.
- In each course, the level of attainment of each CO is compared with the predefined targets, if it is not, the course coordinator takes necessary steps for the improvements to reach the target.
- With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator.
- For every Course, there are number of outcomes to be achieved at the end of the course. This outcome is usually a combination of main course content and may cover more than one topic. All course outcomes shall have linkage to programme outcomes in such a way that the strongest relation has the weight 3 and the weakest relation is

2) Feedback system:- The IQAC regularly collects online feedback on teacher's performance and methodology of teaching. After receiving the data, IQAC analyses it online and interprets the same. On the basis of the drawn conclusions, it takes necessary action if it identifies any dissatisfaction from the students on any aspect of teacher efficiency. Accordingly, it submits the

feedback reports to the Principal for further action. If any teachers require personal counseling, the Principal calls a meeting with the head of the department and the individual teacher and discusses the matter

- Earlier the institute was having offline feedback system wherein students were given hard copies of feedback forms, after collection of all the data, it was interpreted with the help of bar charts/graphs.
- Last year, Our college developed software where this system was made online. Students fill these feedback forms online and the system has become more secure and transparent.

3) Slow and advanced learners:- The institute has started system for slow and advanced learners. Students enrolled in various disciplines are identified as slow and advanced learners based on their Internal assessment marks and marks in University exams. This helps to identify the slow learners and to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners. The tutors of the respective classes conduct extra lectures and give additional.

- Special attention is given to the students in the tutorial classes, who are identified as the slow learners.
- Slow learners are specially advised and counseled by a Teacher Guardian and the subject expert.
- Remedial classes are conducted for the weaker students based on the results of class tests.
- Special bridge courses are arranged for the lateral entry students in the II year to help them cope with theory subjects.
- Advanced learners are offered special GATE coaching.
- Advanced learners are motivated to involve in research projects to inculcate research orientation and practical awareness. Advising to participate in group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- They are encouraged to participate in science expos to design and execute working models to give shape to their ideas but not at the cost of higher university grades, they are equally supported to get flying colours in University exams.

4) Journal Club -- Journal club activity started in academic year 2017-18. Under Journal club, Faculty members present Research paper

or Article or Topic useful to all faculties. Journal Club activities objectives are 1.To promote Research Culture amongst Faculties. 2.Exchange Skills , Knowledge with Faculties. 3.To broaden knowledge base of all faculties.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

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

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="#">NIL</a>
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute follows the co-education system and as a part of it, equal opportunities and benefits are provided to everyone irrespective of gender. There is a good representation of female members in various committees of students and faculty members along with male members. In all curricular, co-curricular and extra-curricular activities, equal participation of boys and girls

is encouraged.

Throughout the year, the institute conducts various programs for the promotion of gender equity. However, due to the covid pandemic situation, there were limitations for conducting the programs physically. To inform and empower women in college and to encourage them to understand their health options institute conducted one online 'woman health awareness program'. In this program resource person, Dr Renuka Chaugule guided participants in living a healthy life.

Institute also made available necessary infrastructure for women needs, safety and security which includes:

1. CCTV Cameras, RFID based hostel entrance lock system, security guards at the campus entrance
2. Separate common room for girls and boys
3. Separate washrooms for ladies and gents
4. Sanitary pad vending machine
5. Separate cabin for each teaching staff
6. Mentoring and counselling groups
7. Active Woman Development Cell (Vishakha Committee)

File Description	Documents
Annual gender sensitization action plan	<a href="#">NIL</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://vpmpcoe.org/naac/7.1.1%20Measures%20initiated%20by%20the%20institution%20for%20the%20promotion%20of%20gender%20equity%20during%20the%20year.pdf">https://vpmpcoe.org/naac/7.1.1%20Measures%20initiated%20by%20the%20institution%20for%20the%20promotion%20of%20gender%20equity%20during%20the%20year.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Institute placed substantial numbers of dustbins around the campus to collect solid waste. The segregated solid waste generated is mostly biodegradable hence dumped in pits for decomposition and used as compost for gardening and landscaping.

Liquid waste produced in residential and academic buildings is transported to the sewage treatment plant through the closed drainage system for treatment.

Institute have a working sewage treatment plant for liquid waste management. It is based on the activated sludge process principle. The sewage treatment process involves screening, settling, aeration, filtration. Purified wastewater is then used for gardening purposes on campus and solid waste obtained is used as manure for the plants on the campus.

The campus does not produce any biomedical waste as such. However, if produced during any medical or blood donation like camp gets taken care of by the respective organization following the given guidelines.

Institute has its own electric and electronic maintenance staff which tries to reduce e-waste by repairing and maintaining instruments. Hence a minimal amount of e-waste is produced. The e-waste produced if any are sold to vendors for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">NIL</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution:** Rain water harvesting  
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling  
Maintenance of water bodies and distribution

A. Any 4 or all of the above



**system in the campus**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**A. Any 4 or All of the above**

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

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

**E. None of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.**

**Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**

**5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Maharshi Parshuram College of Engineering makes genuine efforts to maintain an inclusive environment among its stakeholders. Efforts are taken on each level to maintain harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities.

At the beginning of their first-year studies students goes through an 'Induction Program' designed to orient students towards diversities and universal human values. Furthermore, teacher mentors are allotted for a group of 5-10 students to counsel students throughout the course.

Institute has various committees to maintain tolerance and harmony which includes anti-ragging committee, college grievance redressal cell, vishakha committee (woman development cell), scheduled caste and scheduled tribes committee, discipline committee and NSS Cell.

There wasn't reported a single case to any of these committees during the year and that's the achievement of the institute towards the inclusive environment.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Maharshi Parshuram College of Engineering regularly conducts programs to generate awareness among employees and students about values, rights and duties for being responsible citizens. Some of the conducted activities include:

1. Vigilance awareness program: This program was conducted online from 31 October 2020 to 02 November 2020. In this online program, 131 participants took a pledge against corruption and for honesty and integrity.

2. Covid 19 vaccine awareness program: This program was conducted to make awareness among students about the importance of vaccination. In this online program, students are requested to submit posters/poetry/videos/articles on the given theme.

3. Breathing and meditation sessions: Online 10-days sessions were arranged for students and staff members on 'breathing and meditation'. In these sessions, participants were guided for pranayama and meditation techniques for boosting their immunity against covid.

University also introduced a mandatory non-credit course an Induction Program for new students. In this program, students are oriented toward institute policies, culture, practices and universal human values.

Institute also have an active unit of the 'National Service Scheme' through which various activities were conducted for society and to make students responsible citizens.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	<a href="#">View File</a>

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

**The institute celebrates various National and International commemorative days, events and festivals every year as mentioned below:**

**Republic Day and Independence Day:**

**Every year institute celebrates Independence Day and Republic Day with great enthusiasm and all teaching as well as non-teaching staff members and students are invited to the function. Flag hoisting is done with the hands of the Principal followed by**

patriotic songs, speeches by the Principal and voluntary student members. Sweets are distributed to all staff and students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Best Practice-I

**Title of the Practice:** Konkankanya Scholarship Scheme for girl students to promote women education.

**Objectives of the Practice:**

- To encourage rural talent for the engineering field.
- To promote girls towards quality education.
- To balance the gender ratio in the institute.
- To provide equal opportunity for girls.

**The Context:**

Institute is located in a very rural area with poor education facilities available for students. However, there is so much hidden potential present in students which need to be promoted. By understanding the need for quality education with good infrastructure and other resources, our trust Vidya Prasarak Mandal (VPM) started this institute for the Konkan region at Velneshwar. After serving for more than eight years we found that the number of girls students going for higher education and specifically for engineering field is very low. Hence to encourage better education and career opportunities for girl students in the Konkan region VPM announced a scholarship especially for girls who are willing to take admission for Engineering.

**The Practice:**

Considering the number of students enrolling for the engineering field at our institute for the last few years, the female to male ratio is very low.

To maintain the gender balance encouraging girl students was a necessity. Vidya Prasaram Mandal announced this year a special scholarship named 'Konkankanya Scholarship Scheme' for girls who are willing to take admissions at our institute. This scholarship provides financial support for girl students admitted in the first year of the engineering degree course. Under this scheme tuition fee of the student is waived off for the year irrespective of the category of student. This scholarship is provided apart from the scholarships given under government schemes.

#### Best Practice-II

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

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 work efficiency by reducing paperwork.
- To encourage educators to use technology for communication over traditional methods.

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 effort and time gets wasted daily of staff and faculty members to maintain various paper-based records. To store and search paper records is again tedious work. On the other hand, using, maintaining and searching 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.

#### 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 the college level also, we 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. Because of the covid pandemic, most of the programs and events 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 subscriptions for many online journals instead of hard copies. Moreover, our library provides soft copies for some of the books which can be accessible at any time.

The uniqueness of 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 paperless hence we are continuously extending our efforts to go for less-paper practice.

#### Website Link

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

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

Maharshi Parshuram College of Engineering (MPCOE) is always fascinated by current developments in science and technology

through research. Understanding the significance of research for nation-building and considering the potential of rural students, the institute taking significant efforts to develop students' mindsets for research and quality education. In order to inculcate research culture among teachers and students from the undergraduate level, MPCOE formed a Council of Senior Scientists (CSS). This council consist of a team of retired scientists from India's top research institutes which includes the Tata Institute of Fundamental Research (TIFR) and Bhabha Atomic Research Centre (BARC). The idea is to make use of the vast research and field knowledge of each member from different areas of interest for motivating and guiding students towards the research. Moreover, MPCOE extended this effort to develop a research culture among students of secondary and higher secondary school as well. The CSS visits MPCOE as frequently as is mutually convenient and spends enough time on campus to engage with the students and faculty for expert talk, for guidance on minor and major projects of our students, for delivering lectures for children of Schools and Jr. Colleges of Chiplun and neighbouring villages.



## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Being an affiliated institute, the institute strictly follows the curriculum prescribed by University of Mumbai (UoM)

Before commencement of semester, the institute conducts Submission of Proposal about requirements of laboratory, maintenance, consumables and guest lecturers in the department budget by each Head of Department and Take meeting of Principal and HoDs to decide semester plan. Prepare 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 and Prepare the lesson plan, practical plan and individual timetable based on teaching load. 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 or Updating is done 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 institute conducts Smooth execution of Teaching-Learning along with various co/extra- curricular activities. Maintain the academic diary consisting of attendance, plan/execution of theory/laboratory, Internal Assessment marks. Class/laboratory assignments are communicated to the students at regular intervals. Institute display of cumulative monthly attendance of students and counseling of students with less (than minimum) attendance by mentor/class teacher/HoD. Keep regular Communication with parents regarding students' attendance and result through letters. Take 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. Council of Senior Scientists (CSS) come to MPCOE once in a semester.

Industry personnel are invited for expert lectures to bridge the gap between industry's desirables and academic teachings. Also students are encouraged to visit industries. Students are encouraged for industrial projects. Online feedback from students is taken twice in a semester about Teachers' and teaching- learning process using 10 parameters and teachers are informed by concerned HoD about their performance. Use of conventional, student-centric, ICT based and /or innovative techniques is made by teachers for effective delivery of curriculum. Parents' meet is organized every semester to discuss progress of the students and to welcome suggestions for improvement.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="#">NIL</a>

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

Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of commencement, last working day of the semester, Internship schedule and dates for semester-end examinations. MPCOE follows the calendar issued by the University strictly and plans all its activities including the conduct of Internal Evaluation. The MPCOE prepares an institute-level calendar. Institute calendar of events includes details like the total number of working days and holidays, guest lectures, workshops, industrial visits, other co-curricular and extra-curricular activities. The academic activities and all activities are conducted in adherence to the calendar of events except unforeseen circumstances. The academic calendars help faculty members to plan their respective course delivery research work academic and co-curricular activities. Department heads closely supervise and monitor the completion of the syllabus as per the lesson plan prepared by faculty members. Syllabus coverage

decided well in advance and faculty members adhere to it.

Internal Assessment tests (IA), assignments seminars are part of the Continuous Internal Evaluation of students. There is a well-defined process for this as per the calendar of events. The course instructors prepare IA question papers based on the scheme of evaluation. The internal assessment test timetable prepared by the examination committee is published to stakeholders, and conducted as per the schedule. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internships.

Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory course evaluation. As per the laboratory rubrics, the internal test is conducted at the end of the semester. The Principal, through the academic committee meetings, frequently reviews the semester's progress and provides suitable suggestions. In case of revision of academic calendar by the university, institute incorporates the necessary changes accordingly.

File Description	Documents
Upload relevant supporting documents	No File Uploaded
Link for Additional information	<a href="#">NIL</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

#### 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

5

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

3

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

34

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

34

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

All departments in the institute have courses in their curriculum which integrate cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics. Various programmes are arranged by the institute which contribute to sensitize students to these cross-cutting issues.

#### Gender equality:

Being a co-education institute, the college maintains gender equity in academic and non academic activities. Institute encourages boys and girls to participate in sports and cultural activities. Common rooms for girls and boys are available in the institute. Grievance Redressal committee has been established for addressing the grievances from girls and boys. Common rules like dress code, punctuality, discipline have been implemented for all students and faculty in the institute and hostels. Institute does not discriminate between girls and boys.

#### Environment and Sustainability:

As a green environment initiative, and considering depleting energy sources, and opting for pollution free environment our institute has installed two solar power plants of capacity 30 kW-hour and 10 kW-hour respectively. Tree plantation of nearly 1200 trees has been completed. College has been conducting various social events such as tree plantation, rallies in nearby villages on the topics like energy conservation, water conservation etc. College has a NSS cell which conducts various environment related activities such as Beach Cleaning drive, village cleaning during NSS camp etc.

College has organized various programs/seminars/guest lectures on environmental issues. The institute has setup Sewage Treatment Plant (STP) and Water heater based on solar power for the hostels and for buildings of Housing Colony

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

175

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

#### 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders  
Students Teachers Employers Alumni**

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

**1.4.2 - Feedback process of the Institution may be classified as follows**

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="#">NIL</a>

#### TEACHING-LEARNING AND EVALUATION

##### 2.1 - Student Enrollment and Profile

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of sanctioned seats during the year**

**180**

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

#### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

20

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Slow and advanced learners are identified by End semester examination results and Internal assessment results. Special activities are conducted to improve the level of slow learners like re-write an answers of all questions of Internal assessment in which he/she has failed or got KT in final University exam. Also for advanced learners some practice of solving conceptual questions is conducted in which the level of difficulty of questions is increased. During academic year 2020-21, due to COVID pandemic situation, all the exams are conducted through online mode (Google form) and result was 100%.

File Description	Documents
Link for additional Information	<a href="#">NIL</a>
Upload any additional information	<a href="#">View File</a>

#### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)



Number of Students	Number of Teachers
366	34

File Description	Documents
Any additional information	No File Uploaded

### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Practical oriented methods are adopted for better understanding of subject. Some hands on workshops are conducted for students. Also guest lectures from some industrial experts are organised in order to minimize the gap between industry and academics. Students are encouraged to do more and more industrial projects in order to have an experience of ground field work and its difficulty. For some special subjects some special practices are also conducted in order for better and conceptual understanding of subject. For Example, in subject 'Design Management and Auditing of Electrical systems' of final year Electrical Engineering, special energy Audit is conducted in which students get knowledge to perform Lighting audit. Also they can locate single line diagram of our entire college campus from main incommer to classrooms by actually visiting substation and Power Control Center (PCC).

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="#">NIL</a>

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

ICT tools usage is became popular as well as essential in our institute. It has now become an unavoidable part of teaching process especially from COVID pandemic situation. Faculties use Google Meet, Zoom, microsoft team etc app. Online meeting is conducted as per the timetable. Students use to attend lectures. Faculties also used Pen-tabs as a white board to solve mathematical problems, derivations etc. Some youtube videos are also made and uploaded on youtube channel.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="http://www.vpmpcoe.org/naac/Criteria%202/2.3/2.3.2/PROOF/2.3.2.pdf">http://www.vpmpcoe.org/naac/Criteria%202/2.3/2.3.2/PROOF/2.3.2.pdf</a>

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

34

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

34

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

##### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

<b>1</b>	
File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>
<b>2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)</b>	
<b>2.4.3.1 - Total experience of full-time teachers</b>	
<b>145</b>	
File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>
<b>2.5 - Evaluation Process and Reforms</b>	
2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.	
<p>In a semester, there are minimum two internal tests. Each of the test consists of descriptive questions as well as analytical. This is for regular practice, but due to covid pandemic situations, in academic year 2020-21, internal tests are conducted through online platform (Google forms). Tests were objective. 10 questions were given which are multiple choice type. For each subject 2 online Internal tests were conducted, one during the mid of the semester and another at the term-end. Finally their average marks arecalculated.</p>	
File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="#">NIL</a>

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

Grievance Redressal Cell deals with all types of grievances, complaints and malpractices including those received from Students, Faculty and other Stakeholders.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="http://www.vpmpcoe.org/grievance/grievance.html">http://www.vpmpcoe.org/grievance/grievance.html</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Each subject teacher describes Course outcomes, Program outcomes and Program specific outcomes for his/her subject during the starting of semester and utmost care is taken in order to have proper mapping between CO-PO and PSO. Teaching plan is prepared which helps to enhance proper CO-PO-PSO mapping. University guidelines are also followed while describing CO-PO and PSO of every subject.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="http://www.vpmpcoe.org/peo ee.html">http://www.vpmpcoe.org/peo ee.html</a>
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Due to covid pandemic situation, all exams are conducted online through Google form (Multiple choice questions). Hence it was impossible to formulate attainment of CO-PO.

So that, there is no data related to it.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="#">NIL</a>

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

175

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="#">NIL</a>

### 2.7 - Student Satisfaction Survey

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

<http://www.vpmpcoe.org/Student%20Satisfaction%20Survey%20AY%202020-21.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

18

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

7

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

7

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.3 - Extension Activities**

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

MPCOE has a NSS unit, Students' Associations and other platforms through which opportunities are provided to interested students to acquire certain essential traits and skills which may help them in getting a better job / career in future.

It is a very tough task to extract work from students but we continue our efforts. For the past two years College magazine "Manthan" is being published in-house. The idea is to provide a literary platform to students having orientation in this area and motivate them to contribute articles, sketches, etc. Realising the limitations of students, contributions are

invited from students in Hindi and Marathi as well.

Through programmes and schemes of Government like NSS, the faculty and students of MPCOE engage with the residents of nearby villages and provide them support as and when feasible. Students of MPCOE take part in cleaning of Velneshwar beach at periodic intervals, either on the invitation from Sarpanch of village or as a part of college activity. VPM has also undertaken a preliminary study, through its institute of Thane, to identify the flora and fauna of the region within the proximity of Velneshwar. `

The Council of Senior Scientists of VPM interacts with the students of Jr. Colleges and High Schools of Chiplun, Guhagar taluka, and neighboring villages through lectures, demonstration of simple experiments for awareness. Visits of students from neighboring Jr. Colleges and Diploma institutes are also arranged to create interest in them about Science and Higher Education by showing them the Virtual Labs, and laboratories of college.

The faculty members of MPCOE have also been invited by Jr. Colleges and Schools for conducting experiments, for motivational lectures and for lectures on English language.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0



File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

4

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**

**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

611

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.4 - Collaboration****3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

1

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year****3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

8

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institute is fully equipped with all infrastructure facilities for Teaching Learning process. The institute has 25 classrooms and 3 seminar halls. The number of laboratories are as per the AICTE requirements. All the classrooms are fitted with LAN facilities, Wi-Fi LCD projectors. The dedicated lease line has been allocated for this campus. It provides all

Internet facility to all campus. The institute has developed the intranet facility throughout the campus including hostel and residential area. It helps students to get the study material data stored on intranet. The institute have well equipped computer lab and have all the necessary software like Windows, sada, Sai Lab, language Lab, Autocad et etc. The institute had purchased the database like ASME, ASCE, Springer and stored it on Dspace for references. The students used videoroom facility from library to interact with external experts for the guidance on projects through Skype. The each department have Journal Club to provide the latest journals to the faculty and students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

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

The institute have both indoor and outdoor sport facilities. In indoor games institute provides the carrom, table tennis, tennis courts, chess etc. It has well equipped gymnasium. The institute has Volleyball ground, kabddi ground, football and cricket ground. The students have facility to watch TV in the canteen area. The two 200 capacity auditorium have available for cultural activity and any other programme. The college have movie club facility for recreation and entertainment. The institute organised sports sabbah every year.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

28

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

28

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

98.6

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

Library is automated using KOHA Library Open Source administrative software. The library handled the digital content created by MPCOE, Velneshwar through Dspace Software as institutional repository. It archived the purchased e-journals, Powerpoint presentation, and lecture notes in e-format.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="#">NIL</a>
<b>4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources</b>	<b>E. None of the above</b>
File Description	Documents
Upload any additional information	<b>No File Uploaded</b>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>
<b>4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>	
<b>4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>	
<b>0.0119</b>	
File Description	Documents
Any additional information	<b>No File Uploaded</b>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>
<b>4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)</b>	
<b>4.2.4.1 - Number of teachers and students using library per day over last one year</b>	
<b>NIL</b>	

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Central Server Room is the IT(Information technology) backbone for the campus. The whole campus buildings are connected in LAN (Local Area Network) from Central Server Room through OFC (Optical Fibre Cable). OFC linking helps for better connectivity between the buildings and helps faster data sharing to end user computers, laptops and other devices in the network.

Firewall is installed for web filtering and traffic control. Also used as proxy servers for all users. Different policies are defined for the user according the use. (like Youtube, access, social media access, etc.) User internet usage are monitored and controlled by using firewall

Standard Racks are installed in Central Server Room as well as in each building for mounting network switches.

Core switch from the Central Server Room provides connectivity to each buildings main switch through OFC.

UPS located in Central Server Room provides UPS supply to all IT devices in the campus including EPABX, CCTV and end user Computers, Laptops etc.

- Infrastructure:

1. Standard designed separate Central Server Room with 24 hrs. Air Conditioning facility with 2 A.C. device which maintain the temperature automatically.

2. Three rack mounted servers of HP Proliant DL 180 G6

3. Firewall Fortigate 100D

4. Two number of D-Link network Switches

## 5. Emerson 60 kVA Libert Nxr UPS with 40 no's of battery bank.

- Functioning - Central Server Room provide following services :

1. File server Administration
2. DHCP Server Administration
3. Antivirus Server Administration
4. Biometric Application Server Administration
5. MOODLE Server (free and open-source learning management system) Administration
6. KOHA(open source Integrated Library System) Administration
7. Dspace (open source repository software) Administration
8. VLAB ( Virtual Lab) Server Administration
9. Intranet Server Administration
10. Website Administration
11. Firewall Administration
12. Network Administrations
13. Backup Management
14. Patch Management
15. License Management
16. Password Management
17. Staff and Students ID Card Access Management
18. EPABX system Administration
19. CCTV Administration
20. ISP Vendor Co-ordination
21. Vendor Management
22. IT Assets Inventory Management
23. IT Assets Service Management

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

## 4.3.2 - Number of Computers

264

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

**4.3.3 - Bandwidth of internet connection in the Institution** C.10 - 30MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

#### 4.4 - Maintenance of Campus Infrastructure

**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)**

**4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

229.44

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Institute has special Central Server Room for maintaining its computers and different equipments. Maintenance of classrooms are monitored by Academic Administration Store Department. There is a Library Committee which meet regular intervals for facilitating the smooth running of the library activities.



Allocation of classes to different classrooms are maintained by the concern department. Timeslots to laboratories, computer labs are done by the departmental time table in-charge in consultation with Head of Department. Sports complex, Gymnasium maintained by Gate office staff and Institute sport coordinator and student body.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

278

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

B. 3 of the above

File Description	Documents
Link to institutional website	<a href="#">NIL</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

123

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

123

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student**

A. All of the above

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

24

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

6

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

0

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.3 - Student Participation and Activities**

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

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

As per guidelines given by Mumbai University we have form College Student Council (Adhoc) for the academic year 2020-2021. 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 had planned various activities under the Annual function organized by the college SAPTAK 2021 through online mode.

Regular meetings had been arranged and conducted by the faculty coordinator of the committee. First activity conducted under this committee is online prize distribution ceremony of meritorious students on 15th April 2021. This year council conducted the prize distribution for academic year 2018-19 and 2019-20 which was delayed due to Covid-19 pandemic. This program was attended by 72 students. Then council has conducted online SAPTAK 2021 during 1st May - 7th May 2021.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

24

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

#### 5.4 - Alumni Engagement

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

2 meetings were organized in the year 2019-20. First meeting was conducted on 12 January 2020 in campus in that meeting Adhoc Alumni association committee was formed for next three years, in the month of February 2020. We had conducted second meeting on 10 Feb 2020. No meetings were conducted for the year 2020-21.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

#### 1. VISION

To be a leading, dynamic and responsive centre of Excellence in Engineering and Technology on National stage, to generate, absorb, disseminate, protect and preserve knowledge by encouraging expansion of human knowledge to benefit mankind and drive regional, national and global societal transformation through research integrated with education in a collegial, interdisciplinary, inclusive atmosphere of spirit of inquiry and contribute thereby to the development of socially sensitive students and teachers, who can embrace state-of-the-art information and communication Technology and identify a holistic and integrated view of life as a fusion of mind, body and spirit, to be creative, ethical and exemplary members of a seamless, global society

#### MISSION

To position Maharshi Parshuram College of Engineering (MPCOE) as learning Organization and an important member of knowledge society in seamless world, where all stakeholders of MPCOE work with, listen to, and respect each other to function synergistically with a sense of excitement, enthusiasm and enterprise towards the holistic development of students and teachers who are encouraged to be honest, ethically rich, creative and responsible citizens

#### CORE VALUES-

1.DISCIPLINE- It is the practice of training people to obey rules or a code of behaviour, using

punishment to correct disobedience.

2.PUNCTUALITY OR RESPECT FOR TIME- We promote punctuality and Time Management

among Stake Holders.

3.FREEDOM OF THOUGHT AND EXPRESSION- We believe that Freedom of Thought and

Expression is necessary , as without this overall development of individual cannot be completed.

4.HONESTY AND INTEGRITY- We are committed to practices that are fair, honest and objective

in dealing with students, faculty members, staff and stake holders at all levels of Institution.

5.EXCELLENCE- We promote Excellence in whatever constructive and productive work / activity

Students/ Faculties do.

6.ACCOUNTABILITY AND TRANSPARENCY- We believe in having complete transparency at

all levels of hierarchy to promote a healthier working atmosphere to all. We believe in

Accountability for and Transparency in, all our deeds and actions.

7.PERSEVERANCE- We encourage Perseverance in doing something despite difficulty or delay in

achieving success.

8.ENCOURAGEMENT- Encouragement is provided for critical and quantitative thinking, effective

communication, ethical decision making and social obligation in our students.

9.SOCIAL RESPONSIBILITY- We are focused on promoting the sense of social responsibilities in students by involving them in various social activities that gives them a broader perspective of understanding the causes and possible solutions related to various social issues.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

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 Core Draw workshop, Online Technical workshop on Python Programming. Institute Conducted 40 hours workshop certification program in Department Level and Technical Online Technical workshop on Python Programming 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 Automatic Sanitizer Machine which helpful Covid-19 Pandemic Situation with an enrolment 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 test 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 750 Active users of MHTCET Velneshwar Pattern App and 140 YouTube Channel. On the basis of central government scheme "Beti Bachao Beti Padhao"

.The institute launches his own scheme "Kokankanya Scholarship Scheme" to promote kokan region girls for higher education in Academic year 2020-21.

Decentralization:-Institute has many different committees/cells which are given below. Internal Quality Assurance Cell has been formed in the year 2018-19 whereas others are operational from the year 2012-13

Committee/cell/Coordinator Roles and responsibilities Board of Governors To ensure that stakeholders, including faculties, students and institutional management, and others associated with institute have confidence and trust in our institution College Development Committee (earlier known as Local Managing Committee) The college development committee is formed with an objective of taking inputs from faculties and harmonizing them with administrative decisions. The same committee was earlier known as Local Managing Committee, formed in the year 2013. From 2017-18, it has been renamed as College Development Committee due to circular from University of Mumbai. Internal Quality Assurance Cell To promote /Improve Quality in all aspects like Internal exam, Industry Institute interaction by Internship, SoftSkills Training ,Mentorship etc. with involvement of all stakeholders of institute

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Vidya Prasarak Mandal, Thane (VPM) a renowned educational institution in Maharashtra established in 1935, has been imparting quality education to over 15,000 students through its schools and colleges in Thane. Now it intends to spread its educational activities in rural area of Konkan. Hence it started a worldclass engineering college with the state-of-the-art facilities at Velneshwar. At Velneshwar 35 Acres township college campus contains 3 academic buildings (Shripati, Bhaskaracharya and Ganesh Daivadnya) that consist of step

auditorium for every building, 5 hostel buildings(Dnyaneshwari 1,2,3,4&5), 3 teachers buildings(Dronacharya 1,2&3), gymkhana building (Kridasankul), utility building (Vividha), VPM Building (Nana Phadnavis Sabhagriha, Cafeteria) and guest house (Aprant). Entire academic campus as well as residential area is connected through fiber-optic backbone having 24 hours leased line Internet connectivity, Electronic Security and Power backup. Intranet Culture is developed for faculty, staff and for the growth of students. The said campus becomes functional from the Academic year 2012-13. Academic buildings constructed with barrier free environment, necessary security measures are incorporated (Fire,Safety, CCTVs etc.) as per AICTE guidelines.

Long term strategy of VPM's MPCOE 1.When the college started in 2012-13, only the Director and Principal were Ph.D. holders. 2.Since the management wanted to attract meritorious students of nearby Junior Science Colleges, it realized that it would require qualified as well as experienced teachers in every branch. 3.But qualified and experienced teachers were scarce and were unwilling to stay in Velneshwar.

4.Therefore Management decided to motivate existing teachers & staff to pursue higher qualification. 5.A study leave of 30 days was announced for this purpose to facilitate studies, preparation for exams etc.while pursuing higher studies. This leave was in addition to other routine leave which faculty members are entitled as per policy of Management.

6.To provide Quality education in Rural Konkan region. 7.To make all efforts to make VPM's MPCOE, Velneshwar Students academically competent and also a responsible citizen, ready to join Nation building.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Vidya Prasark Mandal, Thane is an education trust working since

1935. It has around 16 Institutes in India and outside. It has its own organizational frame work for smooth functioning of the institute. Vidya Prasarak Mandal, Thane established Maharshi Parshuram College of Engineering under its education mission in 2012. Managing Committee of VPM strive to achieve goals, Objectives of VPM and to ensure smooth functioning and efficient use of resources of the institute. The institute also has institutional bodies like- Board of Governors (BOG), College Development Committee (CDC) and IQAC. The Managing committee provides broad guidelines to the BOG of the institute.

BOG frames the policies and directs their execution to conform with the vision and mission of the institute along with inputs from CDC and IQAC. The prospective development plan of the institute including the short term and long term goals is prepared by the BOG. Adhering to them, BOG makes major policy decisions, approvals of recommendations by CDC. CDC is responsible for preparing an action plan to achieve the directions of BOG. It also considers feedback of various stakeholders and recommendations of IQAC. IQAC coordinator is a part of CDC. CDC gives recommendations on the report prepared by the Principal, to be submitted to BOG about functioning of the institute, budgetary provisions, faculty and staff selection/recruitment, faculty and staff appraisal and infrastructure development.

Committee members of IQAC at MPCOE are:

- Principal
- HoDs
- Department representatives
- Management representative
- Society representative
- Senior teacher as NAAC Coordinator

In each department committees like Course Coordinator, Program Coordinator, Journal Club gives academic and administrative functioning input to respective HoD and Department IQAC representative. The Principal harmonize the overall functioning of the institute and ensures compliance to AICTE, DTE and University through Registrar, HoDs and Faculty. The Principal prepares reports such as financial budget, status of faculty members, requirement in terms of equipment, development of infrastructure and resources. He also consults with HoDs and IQAC coordinator. All academic and administrative departments

have designated heads. All heads coordinate respective departments to ensure the amicable functioning of the institute and policies to achieve vision, mission and goal of the institute and department. Service rules are as per AICTE, DTE, University of Mumbai and VPM norms. Further, certain norms within the framework of service rules have been designed by the institute through various procedures and quality manuals. Recruitment of faculty members and staff is done as per the norms laid down by AICTE and affiliating University and its approval by the management. The promotional policies for faculty members are based on AICTE Career Advancement Scheme (CAS) and performance based appraisal system adopted by the institute.

Performance based appraisal process is also followed for non-teaching staff. Grievance Redressal mechanism is observed through various committees constituted such as Internal Complaint Committee (Grievance Redressal & Vishakha Committee), Anti Ragging Committee, Canteen Food Committee etc. The Institute has established online grievance redressal mechanism

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Link to Organogram of the Institution webpage	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

#### 6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

Institute Provides following measures towards welfare of faculty and staff. Provident Fund - 100% employees including contractual and security staff are covered under Employee Provident Fund Scheme. Regular contribution of Employer and Employees is transferred to PF A/c of respective employee through online mode. Gratuity - All regular employees have been covered under Payment of Gratuity Act, 1972. A separate trust named 'LIC's Employees Group Gratuity Scheme' Group Gratuity Scheme is created and funds are being handled by LIC of India. Group Accident Insurance Policy - The Oriental Insurance Company's 'Student Safety Tailor Made Policy' covers all the employees & can get compensation of Rs. 100000/- in case of accidental Death or disablement due to accident. Deputation of faculty and staff members for higher education - MPCOE has its own policy to promote faculty and staff for their higher education. Under this policy from 2012 to till date MPCOE has promoted five faculties for their higher education on full/part time basis . Apart from this for higher studies, Study Leave of 30 days in a calendar year can be availed by faculties for the same. Financial Assistance - Facility of Duty Leave is available to teachers for attending conference /seminars/ orientation programs as a participant and/or resource person. Accommodation is provided to faculty members. Study leaves & compensatory OFFs: - Study leaves are given to faculties pursuing for higher education and also for those who opt for GATE/NET/SET etc. Teaching and non-teaching staff is also entitled for compensatory OFFs, wherein, they can take leave if they have worked on holidays. Timely payment facility: - salaries are paid in time for each month and are directly credited to bank account. Miscellaneous: - Campus has good WiFi

connectivity, with high speed OFC cables serving as backbone network. All college buildings are provided with CCTV surveillance, fire extinguishers and smoke detectors. Institute also has pure veg canteen, which provides hygienic food and it also has water purifiers installed at different locations. Tea and snacks are served during breaks and this facility is partially payable. The institute has residential campus, with rooms endowed with quality furniture and modern amenities. The college has well equipped gym with quality set-ups fitted in. The college has cafeteria, where, students staying outside of the campus take their lunch. Last but not the least, discipline has been given prime importance to make the students sustainable in this competitive world. Shoes and ID cards are made compulsory for students, faculties and nonteaching staff.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

### 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

#### 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

#### 6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

3

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

12

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

**6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff**

The Performance Evaluation and Appraisal System is implemented in a systematic manner for all the Teaching and Non-Teaching Staff of the Institute at the beginning of every academic year



usually in the month of June. The performance is evaluated considering the aspects shown in the appraisal form attached below. Necessary forms designed by the Institute for undertaking the exercise of performance evaluation are circulated to all the employees for submitting their self-evaluation along with supporting documents wherever applicable. Thereafter the forms are forwarded to Principal with the remarks of the concerned HoD for a face-to-face interaction with every employee to encourage active participation and ensure an unbiased analysis. The panel comprises of Chairman, Principal, Registrar and HoDs.

Further, as a part of performance appraisal, at the end of each semester, Students are informed to fill up online feedback forms. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. A team consisting of the Head of the Department and Principal, goes through the feedback forms collected from the students and suggests suitable measures to improve the teaching-learning process.

The performances are classified into Four broad categories

- Teaching, Learning and Evaluation related activities
- Co-Curricular, Extension and Professional Development related activities
- Research Publications and Academic Contributions
- Strength, Weakness and Opportunities

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

#### **6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has its own system for internal audit. Our internal audit system comprises of storekeeper, heads of departments, few senior faculty members and lab incharges. These groups are finalized by Principal and then these groups conduct departmental audit separately, without any bias. Those

audit reports, as a small part of whole audit, are then sent for final audit to Chartered Accountant Mr. S.V. Kale from Mumbai. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by C.A. are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. Mr. S.V. Kale (Chartered Accountant) from Mumbai has been conducting internal audit yearly since last several years. Links of audit statements of last five years along with internal audit lab reports are given below. Audit program is mainly focused on following areas: 1.That all project funds have been used as per the conditions of the relevant financing agreement and transparency is maintained at every level of expenditure. 2.All necessary supporting documents, records and statement of accounts have been maintained and all necessary supporting documents such as records,vouchers,bids, etc. and books of accounts have been kept in respect of all project expenditures. 3.That there is consonance between the accounts sheets maintained for the expenditures and reports presented for expenditure incurred. 4.Clear linkages exist between the books of accounts maintained for the expenditures and reports presented for expenditure incurred. 5.That test check and verification of the activities were conducted for the project as planned and that they were in line with the agreed plan of expenditure.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

##### **6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The institute has a proper and transparent system for effective and efficient use of available financial resources. Finance Committee and principal are major stakeholders, who constantly monitor and encourage for the proper utilization of allocated funds as per need. Financial matters are closely monitored by the accounts office. The funds are allocated to each department during the preparation of yearly budget. This budget is generally for the requirement or up-gradations. Financial matters are closely monitored by the accounts office. In case of any need where the financial support is required, proper demand in writing is made from the concerned Department e.g. in case of any requirement, the details of the requirement of the equipment, maintenance infrastructures etc. are prepared and proper procedure for purchase is adopted.

- Institute adheres to Utilization of budget approved for academic expenses and administrative expenses by management.
- After final approval of budget the purchasing process is initiated by accounts office in consultation with head of department, accordingly the quotations are collected and after the negotiations, purchase order is placed.
- The payments is released after delivery of the respective goods and it is done as per the terms and conditions mentioned in Purchase order.
- All transaction has transparency through bills and vouchers.
- The bill payments are passed after testing & verification of items.
- Only authorized person operate the transaction through bank.
- Respective faculty member along with head of the department ensures that whether suitable

equipment/machinery with correct specification is purchased.

- The entire process of the procurement of the material is monitored by the Purchase committee under the watch of Principal.
- A statement of accounts containing details of income and expenditure, including budgetary is placed in front of the Finance Committee after which it is placed before principal for final approval.
- Financial audit is conducted by chartered accountant every financial year to verify the compliance.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Since quality enhancement is a continuous process, the IQAC will become a part of an institution's system and work towards realizing the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions. The IQAC will make a significant and meaningful contribution in the post-accreditation phase of institutions. During the post-accreditation period, the IQAC will channelise the efforts and measures of an institution towards academic excellence. Some of the quality initiatives of IQAC are:

1. Mentoring and counseling through mentor-teachers
2. Outcome Based Education
3. Remedial action for Slow and Advanced Learner
4. Motivating the faculty members for research and development

1) Mentoring: The method adopted for monitoring is given below :

1. Approximately 15 students (mentees) are assigned to the faculty member (mentor) at the beginning of the academic year,
2. The mentor interacts with the mentees and communicates to the committee periodically and/or as and when required.
3. The committee meets regularly to take stock of activity and address related issues.

2) Outcome based Education

Question paper for Internal Assessment is based on Blooms Taxonomy. Course Outcome (CO) and Blooms Taxonomy Level (BLL) is indicated on the question paper. This direct assessment method will evaluate students on their understanding of Course Outcome and Blooms Taxonomy Level. CO Attainment is done for Internal Assessments.

3) Remedial action for Slow and Advanced Learners Slow and Advanced Learners are identified for each semester. Remedial action are taken for Slow

- Learners areas follows
- Two Assignments
- Coaching
- Remedial action are taken for Advanced Learners areas follows
- Gate Questions

4) Motivating the faculty members for research and development

- Journal Club is formed in each Department to promote Research Culture in Faculties.

IQAC keeps followup meetings and discussions are held on Importance of

- Importance of NAAC Accreditation for the Institute.
- Vision and Mission Statement of Institute and Dept as well.
- Data Collection on Criterias 1 to Criteria 7 across each department
- Criteria Wise Consolidation
- CO , PO and its attainment
- How to classify Slow and Advanced learners
- Result Analysis
- MentorShip System
- Parents Feedback
- Alumni Feedback

5) Training and Placement (T&P): The college has training and placement cell since 2015, besides carrying on campus drives, T &P cell also conducts seminars, workshops, Mock Interview sessions and Soft Skills development programmes.

Benefits IQAC facilitates/contributes:

- To heighten level of clarity and focus in institutional functioning towards quality enhancement and to facilitate internalization of the quality culture.
- To enhance and integrate among the various activities of the institution and institutionalize good practices.
- To act as a change agent in the institution.
- To have smooth flow in internal communication.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC has been monitoring the quality of teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals during its monthly meetings. Two Examples of Institutional Reviews and Implementation of Teaching, Learning Reforms facilitated by the IQAC:

1) CO-PO Attainment: - Outcome-Based Education (OBE) is a student-centric learning model that helps teachers to plan the course delivery and assessment with the end point in mind.

- This practice has been started from academic year 2018-19. It introduces the concept of Bloom's Taxonomy in question papers of the Internal Assessment. Standard framework along with inclusion of Bloom's taxonomy to evaluate department level CO-PO attainment was designed and implemented as per IQAC recommendation.
- In each course, the level of attainment of each CO is compared with the predefined targets, if it is not, the course coordinator takes necessary steps for the improvements to reach the target.
- With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator.
- For every Course, there are number of outcomes to be achieved at the end of the course. This outcome is usually a combination of main course content and may cover more than one topic. All course outcomes shall have

linkage to programme outcomes in such a way that the strongest relation has the weight 3 and the weakest relation is

2) Feedback system:- The IQAC regularly collects online feedback on teacher's performance and methodology of teaching. After receiving the data, IQAC analyses it online and interprets the same. On the basis of the drawn conclusions, it takes necessary action if it identifies any dissatisfaction from the students on any aspect of teacher efficiency. Accordingly, it submits the feedback reports to the Principal for further action. If any teachers require personal counseling, the Principal calls a meeting with the head of the department and the individual teacher and discusses the matter

- Earlier the institute was having offline feedback system wherein students were given hard copies of feedback forms, after collection of all the data, it was interpreted with the help of bar charts/graphs.
- Last year, Our college developed software where this system was made online. Students fill these feedback forms online and the system has become more secure and transparent.

3) Slow and advanced learners:- The institute has started system for slow and advanced learners. Students enrolled in various disciplines are identified as slow and advanced learners based on their Internal assesment marks and marks in University exams. This helps to identify the slow learners and to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners. The tutors of the respective classes conducts extra lectures and give additional.

- Special attention is given to the students in the tutorial classes, who are identified as the slow learners.
- Slow learners are specially advised and counseled by a Teacher Guardian and the subject expert.
- Remedial classes are conducted for the weaker students based on the results of class tests.
- Special bridge courses are arranged for the lateral entry students in the II year to help them cope with theory subjects.
- Advanced learners are offered special GATE coaching.

- Advanced learners are motivated to involve in research projects to inculcate research orientation and practical awareness Advising to participate in group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- They are encouraged to participate in science expos to design and execute working models to give shape to their ideas but not at the cost of higher university grades, they are equally supported to get flying colours in University exams.

4) Journal Club -- Journal club activity started in academic year 2017-18. Under Journal club, Faculty members present Research paper or Article or Topic useful to all faculties. Journal Club activities objectives are 1.To promote Research Culture amongst Faculties. 2.Exchange Skills , Knowledge with Faculties. 3.To broaden knowledge base of all faculties.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
Upload any additional information	No File Uploaded

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

C. Any 2 of the above



File Description	Documents
Paste web link of Annual reports of Institution	<a href="#">NIL</a>
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute follows the co-education system and as a part of it, equal opportunities and benefits are provided to everyone irrespective of gender. There is a good representation of female members in various committees of students and faculty members along with male members. In all curricular, co-curricular and extra-curricular activities, equal participation of boys and girls is encouraged.

Throughout the year, the institute conducts various programs for the promotion of gender equity. However, due to the covid pandemic situation, there were limitations for conducting the programs physically. To inform and empower women in college and to encourage them to understand their health options institute conducted one online 'woman health awareness program'. In this program resource person, Dr Renuka Chaughule guided participants in living a healthy life.

Institute also made available necessary infrastructure for women needs, safety and security which includes:

1. CCTV Cameras, RFID based hostel entrance lock system, security guards at the campus entrance
2. Separate common room for girls and boys
3. Separate washrooms for ladies and gents
4. Sanitary pad vending machine
5. Separate cabin for each teaching staff
6. Mentoring and counselling groups

**7. Active Woman Development Cell (Vishakha Committee)**

File Description	Documents
Annual gender sensitization action plan	<a href="#">NIL</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://vpmpcoe.org/naac/7.1.1%20Measure%20initiated%20by%20the%20institution%20for%20the%20promotion%20of%20gender%20equity%20during%20the%20year.pdf">https://vpmpcoe.org/naac/7.1.1%20Measure%20initiated%20by%20the%20institution%20for%20the%20promotion%20of%20gender%20equity%20during%20the%20year.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

**Institute placed substantial numbers of dustbins around the campus to collect solid waste. The segregated solid waste generated is mostly biodegradable hence dumped in pits for decomposition and used as compost for gardening and landscaping.**

**Liquid waste produced in residential and academic buildings is transported to the sewage treatment plant through the closed drainage system for treatment.**

**Institute have a working sewage treatment plant for liquid waste management. It is based on the activated sludge process principle. The sewage treatment process involves screening, settling, aeration, filtration. Purified wastewater is then used for gardening purposes on campus and solid waste obtained**

is used as manure for the plants on the campus.

The campus does not produce any biomedical waste as such. However, if produced during any medical or blood donation like camp gets taken care of by the respective organization following the given guidelines.

Institute has its own electric and electronic maintenance staff which tries to reduce e-waste by repairing and maintaining instruments. Hence a minimal amount of e-waste is produced. The e-waste produced if any are sold to vendors for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">NIL</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**

A. Any 4 or All of the above

**5. landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

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

**E. None of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Maharshi Parshuram College of Engineering makes genuine efforts to maintain an inclusive environment among its stakeholders. Efforts are taken on each level to maintain harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities.

At the beginning of their first-year studies students goes through an 'Induction Program' designed to orient students towards diversities and universal human values. Furthermore, teacher mentors are allotted for a group of 5-10 students to counsel students throughout the course.

Institute has various committees to maintain tolerance and harmony which includes anti-ragging committee, college grievance redressal cell, vishakha committee (woman development cell), scheduled caste and scheduled tribes committee, discipline committee and NSS Cell.

There wasn't reported a single case to any of these committees during the year and that's the achievement of the institute towards the inclusive environment.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Maharshi Parshuram College of Engineering regularly conducts programs to generate awareness among employees and students about values, rights and duties for being responsible citizens. Some of the conducted activities include:

1. Vigilance awareness program: This program was conducted online from 31 October 2020 to 02 November 2020. In this online program, 131 participants took a pledge against corruption and for honesty and integrity.

2. Covid 19 vaccine awareness program: This program was conducted to make awareness among students about the importance of vaccination. In this online program, students are requested to submit posters/poetry/videos/articles on the given theme.

3. Breathing and meditation sessions: Online 10-days sessions were arranged for students and staff members on 'breathing and meditation'. In these sessions, participants were guided for pranayama and meditation techniques for boosting their immunity against covid.

University also introduced a mandatory non-credit course an Induction Program for new students. In this program, students are oriented toward institute policies, culture, practices and universal human values.

Institute also have an active unit of the 'National Service Scheme' through which various activities were conducted for society and to make students responsible citizens.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

**4. Annual awareness programmes on Code of Conduct are organized**

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	<a href="#">View File</a>

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

The institute celebrates various National and International commemorative days, events and festivals every year as mentioned below:

**Republic Day and Independence Day:**

Every year institute celebrates Independence Day and Republic Day with great enthusiasm and all teaching as well as non-teaching staff members and students are invited to the

function. Flag hoisting is done with the hands of the Principal followed by patriotic songs, speeches by the Principal and voluntary student members. Sweets are distributed to all staff and students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Best Practice-I

**Title of the Practice:** Konkankanya Scholarship Scheme for girl students to promote women education.

**Objectives of the Practice:**

- To encourage rural talent for the engineering field.
- To promote girls towards quality education.
- To balance the gender ratio in the institute.
- To provide equal opportunity for girls.

**The Context:**

Institute is located in a very rural area with poor education facilities available for students. However, there is so much hidden potential present in students which need to be promoted. By understanding the need for quality education with good infrastructure and other resources, our trust Vidya Prasarak Mandal (VPM) started this institute for the Konkani region at Velneshwar. After serving for more than eight years we found that the number of girls students going for higher education and specifically for engineering field is very low. Hence to encourage better education and career opportunities for girl students in the Konkani region VPM announced a scholarship especially for girls who are willing to take admission for



Engineering.

The Practice:

Considering the number of students enrolling for the engineering field at our institute for the last few years, the female to male ratio is very low.

To maintain the gender balance encouraging girl students was a necessity. Vidya Prasaram Mandal announced this year a special scholarship named 'Konkankanya Scholarship Scheme' for girls who are willing to take admissions at our institute. This scholarship provides financial support for girl students admitted in the first year of the engineering degree course. Under this scheme tuition fee of the student is waived off for the year irrespective of the category of student. This scholarship is provided apart from the scholarships given under government schemes.

Best Practice-II

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

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 work efficiency by reducing paperwork.
- To encourage educators to use technology for communication over traditional methods.

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 effort and time gets wasted daily of staff and faculty

members to maintain various paper-based records. To store and search paper records is again tedious work. On the other hand, using, maintaining and searching 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.

#### 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 the college level also, we 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. Because of the covid pandemic, most of the programs and events 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 subscriptions for many online journals instead of hard copies. Moreover, our library provides soft copies for some of the books which can be accessible at any time.

The uniqueness of 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 paperless hence we are continuously extending our efforts to go for less-paper practice.

#### Website Link

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

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

Maharshi Parshuram College of Engineering (MPCOE) is always fascinated by current developments in science and technology through research. Understanding the significance of research for nation-building and considering the potential of rural students, the institute taking significant efforts to develop students' mindsets for research and quality education. In order to inculcate research culture among teachers and students from the undergraduate level, MPCOE formed a Council of Senior Scientists (CSS). This council consist of a team of retired scientists from India's top research institutes which includes the Tata Institute of Fundamental Research (TIFR) and Bhabha Atomic Research Centre (BARC). The idea is to make use of the vast research and field knowledge of each member from different areas of interest for motivating and guiding students towards the research. Moreover, MPCOE extended this effort to develop a research culture among students of secondary and higher secondary school as well. The CSS visits MPCOE as frequently as is mutually convenient and spends enough time on campus to engage with the students and faculty for expert talk, for guidance on minor and major projects of our students, for delivering lectures for children of Schools and Jr. Colleges of Chiplun and neighbouring villages.

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

7.3.2 - Plan of action for the next academic year

#### 1. IIC Activities

#### 2. Participation in NIRF and ATAL Ranking

#### 3. Conduction of 2 internal & 1 external academic and administrative audit

#### 4. Activities under MoU's and Collaborations

#### 5. Arrangement and participation in programmes on Gender Equity, Universal Human Values (UHV), IPR etc.

6. Strengthen Training and Placement Activities

7. Improvement in field projects/internship count.

8. Arrangement of Alumni Meetings for better coordination between alumni and institutions.

9. Efforts for the sanction Research Funds from various agencies, industry and organizations

10. Improvement in faculty/staff participation in MOOC courses. NPTEL/ATAL/FDP/STTP's

