SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

PADMABHUSHAN VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING

PADMABHUSHAN VASANTDADA PATIL PRATISHTHANS COLLEGE OF ENGINEERING, VASANTDADA PATIL EDUCATIONAL COMPLEX, EASTERN EXPRESS HIGHWAY, NEAR EVERARD NAGAR, SION CHUNABHATTI 400022
www.pvppcoe.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Padmabhushan Vasantdada Patil Pratishthan's college of Engineering (PVPPCOE) is founded and established in 1990 by Late Shri Manoharmama Phalke, as a humble tribute to Late Padmabhushan Vasantdada Patil, Ex-Chief Minister of Maharashtra and Governor of Rajasthan. Late Shri Manoharmama Phalke, Labour Minister who took the task of accomplishing Vasantdada's dream of spreading engineering education amongst the group of people up to a common man in Maharashtra. Now the dream is sustained as the path of progress by our President Smt. Ashalata Phalke and General Secretary Senior Advocate Shri. Appasaheb Desai.

PVPPCOE has a beautiful campus of 7.34 acres with lush green garden and coconut lagoon.The college is centrally located in the heart of Mumbai city and accessible by public transport from anywhere in Mumbai as well as suburbs.

PVPPCOE offers 4 courses in the field of engineering viz. Computer Engineering, Electronics and Telecommunication Engineering, Information Technology, and Electronics Engineering.

All branches of the institute are accredited by NBA for three years (During 15/3/2012 To 14/3/2015 F. No.28-110/2010 NBA Dated 02/04/2012) for the course of Computer Engineering, Electronics Engineering , Electronics & Telecommunication Engineering , and Information Technology Engineering . For ensuring the quality, IQAC cell is established in the college to develop a system for conscious, consistent and catalytic improvement in the overall performance of institution.

In view of effective teaching- learning process, the college has requisite state of the art infrastructure which includes, well equipped laboratories, spacious library, internet facility is provided throughout the campus through LAN and / or Wi-Fi. The state of the art campus provides refreshing environment which stimulates intellectual growth and creativity.

Vision

To provide an environment to explore, encourage and educate students by facilitating innovative research, entrepreneurship, opportunities and employability to achieve professional goals

Mission

- To provide facilities in the area of research and development.
- To initiate the collaboration with industries and academic institutions in terms of project and internship.
- To build up appropriate moral and ethical skills, to promote holistic development of students through various academic, social and cultural activities.
- To develop leadership and to sharpen the students skill by providing them opportunities for working in an innovative and interactive environment.
- To kindle the zeal among the student and promote their quest for academic excellence.
- To strengthen industry academic interaction to bridge the gap between theory and practice.

- To recruit, retain and enable a diverse community of exceptional faculty and students.
- To mould the students into competent professionals to foster economic development to meet the societal needs globally.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Firmly rooted for more than 25 years in education and all the branches of the institute were NBA Accredited during 2012-15.
2. The college is centrally located in Mumbai and accessible to the students from any of the Mumbai suburban and even from remote location.
3. The institute has well maintained infrastructure as per AICTE norms.
4. Proactive and visionary management for development of the college.
5. Well experienced, qualified, dedicated and committed faculty to cater academic needs of the students.
6. Counseling and mentoring system is employed to cater to the academic issues, psychological problems or any other relevant problems of students.
7. Along with the huge playground, a rare scene in Mumbai, the institute entrenched Sports academy recently to provide state of the art sports and recreational facilities to the students.
8. Professional Students Chapters like IETE provide students a forum of learning and exhibiting the development and innovation in various technological fronts.
9. Active and dedicated Training and placement cell for campus recruitment which provides Collaborative guidance and exercises to gear up Students' employability.
10. Padmabhushan Vasantdada Patil Scholarship is provided to support the meritorious students.
11. Motivation for the faculties to enhance pedagogical skills and research
12. Conscious effort to encourage the students to take responsibility and initiatives in the social sector and for the betterment of the society through various forums such as NSS and Eco club.
13. Conduction of seminars on engineering admission process and career counseling to guide the aspiring engineers for the societal benefit.
14. Ample of extracurricular and co curricular activities are conducted for overall development of students to open multidimensional doors of opportunity to shape their career.

Institutional Weakness

1. Great pool of alumni but their involvement in overall development of college needs to be improved.
2. There is a scope to increase campus recruitment in core companies.
3. Limited number of faculty members with industrial experience.

Institutional Opportunity

1. Developing vibrant partnership with industry for training, placement and development.

2. To improve partnerships with reputed and renowned industries and institutes by signing MOU.
3. Scope for introducing new programmes.
4. Student exchange and faculty exchange can be initiated for developing multidisciplinary projects.
5. Tie-ups with reputed industries as well as startups for internship programmes.
6. Involvement of more faculties in research through incentives and awards.

Institutional Challenge

1. Tough competition from established as well as upcoming institutions.
2. Need of bridging gap between industry requirement and university curriculum.
3. 3.Keeping pace with the changing requirement of global market by conducting innovative academic and co-curricular activities
4. Decreasing job opportunities in core engineering industries which leads to diverting young generation towards other streams.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college is affiliated to University of Mumbai & adapts to the syllabus prescribed by it. Faculty actively contributes to the curriculum design by participating in syllabus revision committee of the university. Faculty also contribute their work in various bodies like subject expert in USSC interview panel, University paper setting, Vigilance Squad for university examinations, Local Inquiry Committee etc. at the university level.

The college designs the Academic Calendar and Time Table to ensure the completion of prescribed syllabus. Subject Orientation is conducted before commencement of the semester where the faculties provide overview of syllabus and teaching plan and teaching methodologies to complete the same.

The delivery mechanism involves the use of Information and Communication Technology (ICT) such as use of IntelliSpace software, LCD projectors, laptops, Internet, and on line resources like YouTube academic videos. Assignments/tutorials, experiments are planned and designed according to course outcome decided for the subject by University of Mumbai.

Apart from the state of art teaching methodologies, the college adds input by conducting prerequisite test, bridge courses, online MCQs, remedial lectures. The feedback for the faculty from the students is taken to improve the teaching learning process. Students' progress is updated to their parents by conducting the PTIM in every semester.

The curriculum gaps are bridged by conducting various certification courses, spoken tutorials, MOOCs, seminars, workshops, expert lectures and tie-ups with leading industries. Social awareness and community services are inculcated in the students through the subjects like Communication Skills, Environmental Studies, Business Communication & Ethics prescribed by the University of Mumbai.

Various courses, seminars are conducted by the Training & Placement Department for making the students aware about the overall placement process as well as prepare them for the placements. Students are encouraged to publish the research papers in various conferences, journals. The students are also motivated to undertake internship for getting idea about working environment in industries.

Teaching-learning and Evaluation

Admissions to the First year of Engineering and Direct Second year to Engineering (Lateral entry after Diploma) is carried out by DTE (Directorate of Technical Education) Maharashtra. DTE is the apex body in Maharashtra to conduct centralized admission process (CAP) for engineering. Through this centralized admission process 80% of seats are allotted and remaining 20% of seats are allotted by the institute. The seats for reserved category students, other than Maharashtra state students are allotted through CAP as per the norms. Once the student is allocated admission in the college his/ her profile is maintained in ERP system and a unique student ID is provided to the student.

The college focuses on strengthening teaching and learning process in all the aspects. Recruitment of faculties is done as per the norms of University of Mumbai regarding qualification and experience. The retention ratio of faculty is quite good in the institute. E-learning materials prepared by faculty members, video lectures from IITs, other academic institutes, spoken tutorials are made available to the students. Faculties are encouraged to use innovative methods like PPT presentations, video lectures, group discussions, quiz etc. in class to help the students grasp the concept easily. Learning material is made available to the students through the ERP system as well as they can borrow it from the faculty as and when required.

In view to provide effective teaching learning at institute various initiatives are taken for Advanced and slow learners to improve academic excellence. Technical festivals, project exhibitions, workshops, seminars are organized to enhance analytical and logical skills of the students. Remedial and extra lectures are arranged for result improvement. The institute has independent examination cell and maintains transparent procedures as per guidelines of University of Mumbai. The academic progress of student is monitored by continuous assessment.360 Degree feedback is employed to complement teaching learning process. Industrial visits are organized for the students so as to make them familiar with the work in the industry. The counseling and mentoring system is adopted to cater students' academic and psychological needs.

Research, Innovations and Extension

In PVPPCOE, faculty and students are encouraged to do the research and extension activity with government/ non-government organization for the betterment of the nation. Many faculty members are received research grants from government organization and they have filed the patent under Intellectual Property Right (IPR) Cell. PVPPCOE has a well structured high level committee (R and D cell) to monitor and promote research and address the problems that researchers face. This committee lays down guidelines and norms from time to time and ensures their compliance. Results of which, several faculty has published their research work in UGC listed journals, and conferences proceedings. Few of the faculty members have filed the patent for their research work. The number of teaching staff with Ph.Ds and Ph.D appeared has been improved. Institute provides study leave as per requirement of the faculty for their doctoral work.

PVPPCOE has registered NSS unit which organize residential camps in remote area and adivashi villages of Thane District. The students are encouraged to participate in awareness camps, an environment, and sustainability civics issues through street plays. PVPPCOE giving the incentives to faculty members those got awards for extension activity. Eco-club is established in the institute from the year 2013 and conducts activities like Tree plantation, Best out of Waste competition, development of Herbal garden etc. Students are encouraged to do the internship in different industries   to get field work knowledge. PVPPCOE has entered into many national and inter-national collaborative tie-ups in the form of MoUs with giants like Asia Africa Development Council, Alma Shine, Digital DOJO Pvt. Ltd. etc.

The main highlights of research, Innovations, and extension are

- Since year 2012 institute is organizing International conference regularly. The ICACACT-2014 papers were published in ieeeexplorer.
- Active Incubation center with dedicated faculty coordinator
- In recent years, 26 staff members got the minor research grant from University of Mumbai.
- Active IPR cell encourages faculty for filing more patents.
- Apart from several publications in national / International journals and conferences, 5 patents have been filed by the faculty members.

Infrastructure and Learning Resources

The Institute centrally located and spread across 7.34 acres of land area with lush green garden and closely connected with central and harbour line train stations. It has an effective policy in order to create and enhance the infrastructure that facilitates effective teaching and learning.

The institute has well equipped

- 100% ICT enabled classrooms with lecture capturing system.
- 6 Smart Class rooms
- Conference room with ICT facility.
- ICT enabled Seminar room.
- Tutorial rooms.
- 39 laboratories including language lab.
- Library with seating capacity of 150.
- Departmental Library.
- Open play ground with turf.
- Gymnasium.

- Computer center with 100+ computers with ICT facility.
- Separate Common rooms for girls and boys.
- LAN/Wi-Fi Enabled campus.
- Staff room.
- Incubation center.

The library which started with an initial collection of 1000 books has now grown up to a rich collection of 32,824 books,7663 titles and 735 bound volumes of national and international periodicals.

Open Public Access Catalogue (OPAC) facility is available through computers to all its users. E-Library has 10 computers connected on LAN with internet connection, reading room with seating capacity of 150. It has an automated system with bar code based for issue / return of books. Apart from the central library each department maintains own departmental library.

The efficient IT infrastructure is available in the institute for smooth academic and administrative purposes. Institute has installed more than 500 computers. All computers in laboratories and office are connected through LAN/Wi-Fi system. The institute provides very efficient internet facility from TATA Teleservices with speed of 100Mbps.

The institute has installed Roof top Solar system with generation capacity of 72.96KW as renewable energy source.

Apart from the Academic facilities, institute has excellent sports facilities such as open area play ground, various courts for basketball, football, cricket etc, are present for student practice and matches.

Institutional infrastructure facilities also includes separate examination cell, Special facilities for Divyanjan person, Cafeteria, rainwater harvesting for water conservation ,sewage treatment plant, and   Fire extinguisher units, smoke detectors, water sprinklers, fire hydrants etc, safety equipments ,CCTV have been fixed in the prominent locations.

Student Support and Progression

Technological advancement and skill development are the most essential parts of student centric educational system to sustain in the competitive world. PVPP college takes remarkable efforts for the student support and progression through academic, co-curricular and career and placement support.

The college encourages and provides economical support to outstanding students in terms of institute level scholarship based on their grade pointers. As well as institute provides academic support through remedial coaching for slow learners.

Institution encourage to organize co-curricular activities like technical and cultural events, sports and social activities through various cells, NSS Unit, Department associations, active student council for holistic development of the students.

The institution has Grievance Redressal Cell and Anti-Ragging Cell to support students solving their

grievances. The Entrepreneurship cell encourages students for improving their skills towards Entrepreneurship.

There is provision of training and placement cell which provides guidance to students for competitive exams and grooms them by conducting training sessions on career guidance and soft skills, mock aptitude tests, interviews and group discussions time to time.

Students' health and wellbeing is taken care by providing medical facilities in the college premises such as availability of doctor and medical room for consultation and further follow up. First-Aid boxes are available on each floor in building.

The college also focuses on the mental health and stability of students by arranging consulting sessions by the counselor Mrs. Pooja Punjabi appointed by the college.

The Institute is having registered alumni association. Alumni and HR meet is conducted every year.

The total scholarship by Government to 786 students in year 2017-18 is Rs.5,05,23,261/- (Rs. Five Crore Five Lakh Twenty Three Thousand Two Hundred Sixty-One) and the 64 students got private scholarship of Rs.12,32,976/- . For the better physical and mental health of the staff and students psychologist as well as doctor is appointed by the college.

To motivate the meritorious students the college has started Vasantdada Patil Institute Level Scholarship. Learn and earn scheme is in place in the college for the poor and needy students. All students of the college are covered under the group insurance named Yuva-Raksha scheme.

Governance, Leadership and Management

The institute is operated by Vasantdada Patil Pratishthan's, which is governed by governing council. The governing council includes the designated President, vice President, General Secretary, Treasurer and Trustee members. The committee members have active involvement in various decisions related to, governance, management, finance, human resource and development of the institution.

The institution believes in decentralized working and responsibilities for execution of work which leads to the best results for the smooth conduction of regular activities of institution.

The principal conducts formal and informal meetings on regular basis with the members of statutory bodies & IQAC, HODs, Deans, faculty members and other stakeholders. The institute also provides opportunities for faculties to develop themselves by assigning various roles and responsibilities to them.

The institution aims to provide quality education to students by effective teaching and learning process which incorporates several innovative and creative teaching methods. The institute also believes in grooming the students not only in academics but also in extracurricular by organizing various events like sports, Annual cultural festival and social activities through registered NSS Unit.

Quality assurance is a process that needs constant watch and uplifting of professionals engaged in the functioning of the institution thus, for betterment of the institute IQAC (Internal Quality Assurance Cell) has

been established in year 2017.IQAC has suggested faculties to inculcate creative and innovative methods in teaching with use of ICT. IQAC also introduced ERP system to facilitate online MCQ, 360 0 feedback system to promote institute towards paperless office.

The institute encourages faculties towards higher education by providing study leave/ Special weekly leave for those registered for Ph.D.

The institute has provision for various staff support activities like medical insurance for staff members, LIC gratuity policy.

The institute has established internal complaints committee against harassment and anti ragging cell along with various other committees, which follows the guidelines defined by state government. The institute has special space for the female staff and girl students and organizes special programs to make them aware of special provisions available for them in the society.

Institutional Values and Best Practices

PVPP College faculty and students are conscious about its responsibilities as a global citizen by promoting conservation and sustainable use of natural resources for environmental protection. The campus has lush green garden with coconut lagoon and herbal garden. The herbal garden is taken care by the active Ecoclub. To increase the consciousness about environment the institute has installed roof top solar system of 72.96 KW as a renewable energy sources which considerable reduces electricity bill as well as Carbon Footprint. The lighting power requirement is reduced by shifting to LEDs from conventional bulbs and tubelights.

Water conservation is achieved by the institution with help of rain water harvesting system and liquid waste management is effectively handled by Sewage Treatment Plant. This recycled water is used for the campus garden. Adequate methods are followed for solid waste by providing compost pit for canteen waste and tree leaves etc. MOU is signed with an agency for recycling the E-waste from the laboratories.

The Institute has installed CCTV at the strategic points for the security and safety of all students and staff. Gents and Ladies security guards are deployed at various locations in the campus. Separate girls and boys common rooms are available for students. The college has functional women's grievance redressal and development cell, anti-ragging cell, anti-ragging squad. The Active and enthusiastic unit of NSS undertakes various activities like blood donation,charity, tree plantation, Wall of Humanity, Swatccha Bharat Abhiyan. Under Village adoption the NSS arranges residential camp of students for educate the villagers, aware the villagers about social issues through street plays, donating computer for the school etc.

Differently-abled persons are taken care in PVPPCOE by providing physical facilities like separate rest rooms for Divyangjan, ramp, and dedicated security personnel for their help.

The institute has the privilege of being distinct in a way that it generously offers college level scholarship in the form of Fees Waiver Scheme to meritorious students. The institute has taken novel initiative gratuitously to guide the aspiring engineers about the engineering admission process and career counseling.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PADMABHUSHAN VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING
Address	Padmabhushan Vasantdada Patil Pratishthans College of Engineering, Vasantdada Patil Educational Complex, Eastern Express Highway, Near Everard Nagar, Sion Chunabhatti
City	Mumbai
State	Maharashtra
Pin	400022
Website	www.pvppcoe.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Professor	Mahavir Arjun Devmane	022-24038718	9975410555	022-24038716	dmahavir@gmail.com
Principal	Alam N.Shaikh	022-24071385	9082957589	022-24038717	principal@pvppcoe.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	25-07-1990

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Maharashtra	University of Mumbai	View Document

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	View Document	29-04-2018	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

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Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Padmabhushan Vasantdada Patil Pratishthans College of Engineering, Vasantdada Patil Educational Complex, Eastern Express Highway, Near Everard Nagar, Sion Chunabhatti	Urban	7.34	10131.25

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Electronics And Telecommunication Engineering	48	HSC Diploma	English	138	93
UG	BE,Electronics Engineering	48	HSC Diploma	English	60	0
UG	BE,Computer Engineering	48	HSC Diploma	English	138	138
UG	BE,Information Technology	48	HSC Diploma	English	138	121

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				6				19				59
Recruited	5	1	0	6	7	12	0	19	27	32	0	59
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				48
Recruited	33	15	0	48
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				36
Recruited	25	11	0	36
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	1	0	0	0	0	0	0	0	6
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	7	12	0	27	32	0	78

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	827	0	0	0	827
	Female	351	0	0	0	351
	Others	0	0	0	0	0

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Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	124	109	145	136
	Female	78	65	79	83
	Others	0	0	0	0
ST	Male	2	5	6	5
	Female	3	5	5	6
	Others	0	0	0	0
OBC	Male	153	158	210	212
	Female	69	61	94	113
	Others	0	0	0	0
General	Male	515	436	641	615
	Female	187	180	260	275
	Others	0	0	0	0
Others	Male	89	65	109	104
	Female	41	42	57	61
	Others	0	0	0	0
Total		1261	1126	1606	1610

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 451

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	4	4	4

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1261	1126	1606	1610	1520

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
298	210	226	197	181

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
434	442	443	461	305

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
95	99	97	99	88

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
96	120	121	122	102

File Description	Document
Institutional Data in Prescribed Format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 21

Number of computers

Response: 615

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
606.65	641.86	458.91	497.90	275.17

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

It contains following practices in our college-

The **Academic Calendar** serves as a record of Mumbai University academic policies and procedures. According to university calendar, Institute designs its own academic plan.

Institute forms **time table committee** which contains two faculties from each department and one convener from Institute. Time table reflects the theory, practical and tutorial loads if any assigned for each subject & each faculty.

Subject Orientation for each faculty is scheduled before commencement of the new semester which covers the overview of the subject.

A bridge course is conducted before commencement of the term to ensure that all the students share the same knowledge levels.

Pre-requisite tests are also conducted based on the pre-requisites mentioned in the Mumbai University syllabus for each subject.

The lectures & practicals are conducted on regular basis by each faculty to cover the portion as prescribed in the syllabus by the university.

The delivery mechanism involves an extensive use of Information for Communication Technology (ICT) using IntelliSpace, internet and online resources like NPTEL etc.

In this process the faculty deploys well prepared lecture notes through digital presentations and use internet facility to deliver video lectures whenever required. The faculty feedback is taken from students to improve the teaching learning process.

Internal assessment of 20 marks is covered by conducting Mid term and End term exam.

The teachers identify slow learners and fast learners through direct assessment and take **remedial classes** for slow learners and provides additional guidance to advanced learners.

Assignments, experiments are planned and designed according to course outcome decided for the subject by Mumbai University. For some subjects tutorials are assigned by University of Mumbai. Some subjects contain the case studies or mini projects which help to cover application oriented topics to get practical knowledge of the respective subject. Indirect assessment is also taken for the students.

MCQ tests are scheduled for each subject to get better understanding of the subjects.

Mentoring activity is conducted which helps the students to discuss their problems with mentors.

The Institution also offers **training for placement** and gets the students ready for the professional world through career counselling and training. Students of final year implement the projects as prescribed in curriculum & are encouraged to publish their research papers in conferences/ journals.

Experts from industries, various institutions are invited for delivering **the expert talks on current trends and requirements of industry.**

Industrial visits & internships are encouraged for providing idea about working environment in industries.

Workshops and seminars, certification courses are organized to provide hands-on practice.

Institute conducts **PTIM** at department level to give the idea to the parents about academic performance of their ward in the exams, attendance, behaviour etc.

During the discussions of faculties with parents, their queries regarding college facilities, campus recruitment, selection of different courses after and during the graduation, academic growth of their ward etc. are solved by them. The suggestions of the parents are invited for betterment of the department & hence the college.

File Description	Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 2

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	01	00	00

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 6.28

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	02	03	00	00

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 48.78

1.2.1.1 How many new courses are introduced within the last five years

Response: 220

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 4

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 15.75

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
417	301	217	60	26

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

The subjects like **Environmental Studies, Communication Skills and Business & Communication Ethics** are included in the curriculum to make the students aware about the professional ethics & to

increase the awareness about environment related issues.

- **Environmental Studies**

This subject was introduced in the curriculum of FE Engineering semester I according to Credit Based Semester & Grading System (CBSGS) Rev. 2012 & is also included in Choice based Credit & Grading System (CBCGS) Rev. 2016.

There is a paramount need to create a consciousness of the environment. The aim is to develop students and make them aware of and concerned about the environment and its associated problems. A respectful attitude towards the planet is necessary to ensure our survival and the best way to be environmentally conscious is to be proactive in our learning and in our actions. The learning situations/experiences of EVS help students to explore and connect with their natural and human made surroundings. EVS helps students develop their own insights into the functioning of several things or understanding human processes in their environment to consider how the natural and built environments shape and are shaped by multiple socio-cultural and political factors.

- **Communication Skills**

This subject was introduced in the curriculum of FE (semester I) according to CBSGS (Rev. 2012) & is also included in Choice based Credit & Grading System (Rev. 2016).

The subject Communication Skills introduces the techniques of improving listening, speaking, reading and writing skills. Students understand the concept and meaning of communication and organizational communication. The topic Vocabulary and Grammar focuses the major basic grammatical concepts and aptitude tests. The topic Basic official Correspondence develops principles of correspondence which can be informative enough to students and professionals to understand the essentials of drafting effective business and official letters.

Technical writing has wider scope which enables students to frame definitions, writing instructions and other forms of expository writing. The learner becomes proficient in public speaking and his non-verbal communication skills are also developed. He can also read and summarize effectively.

The topic ICT introduces modern communication media like email, blog and website etc.

- **Business Communication and Ethics**

This subject was introduced in the curriculum of TE (semester V) of Computer Engineering, IT, Electronics, Electronics & Telecommunication programs according to CBSGS(Rev. 2012).

The main purpose of the subject Business Communication and Ethics is to cultivate professional skills and soft skills in students. By teaching-learning process students enhance professional and ethical, effective communication skills, teamwork, multidisciplinary approach and ability to learn engineer's social responsibilities to improve professional ethics & codes of professional practice and leadership qualities.

The topics such as Employment Skills, Corporate Ethics & Etiquettes, interpersonal skills help students to succeed in campus placements career and competitive examinations.

Report writing and Technical proposals encourages students in Research and innovations in different area, and also help to acquire entrepreneurial approach to meet the global, Industrial and Corporate requirement. It also improves their team building capabilities like leadership, motivation, teamwork and creativity etc. It demonstrates awareness of contemporary issues.

File Description	Document
Link for Additional Information	[View Document](#)

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 12

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 12

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)
Brochure or any other document relating to value added courses.	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 38.07

1.3.3.1 Number of students undertaking field projects or internships

Response: 480

File Description	Document
List of students enrolled	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: C. Feedback collected and analysed

File Description	Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.04

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	1	0	2

File Description	Document
List of students (other states and countries)	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 69.39

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
590	0	527	398	456

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
765	535	561	502	472

File Description	Document
Institutional data in prescribed format	[View Document]

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years

Response: 79.09

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
278	0	225	201	182

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The institute goes an extra mile ahead in taking efforts for the students to keep in pace with the curriculum as well as in improvement of their overall academic quality. The college organizes a well- structured orientation programme for newly admitted students at first year and also for direct second year along with their parents to understand the engineering curriculum prior to commencement of academic year. During orientation programme students are notified about the academic culture of the institute, functioning of the department, attendance requirements, exam scheme and internal assessments etc as per the norms of University of Mumbai. To understand the current semester syllabus properly and to bridge the curriculum gap, the pre-requisite is taught by conducting bridge course in the beginning of the semester.

Class Advisors and faculty interact with students with a view to comprehend special needs in terms of weakness in some subjects', language skills, etc. The interaction between HOD, faculty, class advisor with parents and fresher students helps to identify the needs of the students for the improvement in weak domains.

For all the programmes, elective subjects are prescribed in the curriculum by the university. Faculty in all the departments meticulously inform all the students about the elective subjects and their future scope. Elective are assigned to the students as per their choice.

The Institute conducts courses like spoken tutorials to improve the employability skills.

The advanced learners are identified by individual faculty of each class based on the student performance in the test, behavior of students, initiative taken by students in solving problems, submission of assignments, project works and practical work in laboratories. Advanced learners are encouraged to take part in workshop and conferences. They are also inspired to participate in competitions and paper presentation in intra and inter collegiate competitions. Extra care is taken to increase their academic excellence by giving them more practice papers, special guidance for enhancing result and learning through various syllabus related videos. Additional reference books are also provided from the college library to get more insights in the subjects.

Slow learners are identified after observing their performance in the class test and mid-term examination. Remedial coaching is provided to slow learners. The remedial lectures are conducted after regular class hours or free time slots.Faculties provides learning material in the form of notes to them and help them overcome the lacuna in understanding the subject and counsel them in all aspects such as attendance, marks, providing proper guidance to the academically weak students.

In order to make students successful as learners, they also have to discover how to learn and to develop an appetite for learning under the activity "Mission Topper" confab with principal for students are organized. Students are benefitted at large by Principal's expertise as he shares all minute aspects of students' study pattern and guide them on how to excel in exams and academics.

2.2.2 Student - Full time teacher ratio

Response: 13.27

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	[View Document]()

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

Response:

1. **Following a fixed teaching schedule:**

   - The institute follows a well planned academic calendar. It provides a good balance between the academic and non-academic activities like sports and other techno-cultural events.

- Every faculty member prepares a Teaching Plan comprising weekly and daily planner for their respective subjects before the commencement of new semester.
- Timetable is prepared before the commencement of the semester and is mostly followed by the faculty.

2. **Students Centric methods:**

The institute implements student centric learning methods in the campus.

A. Participative learning

- Apart from regular lectures and practicals, interactive method involving experimental learning encourages the students to enhance their technical skills.
- Students have access to E-campus software where they can download or view study material, notes, power point presentations, question bank, course file, video etc. uploaded by faculty.
- Faculty arranges group discussion, quiz, seminars for their subjects wherein students are required to participate which helps to enhance their analytical and logical skills.
- The technical fest is organized and managed by students under the guidance of faculty members where they get an opportunity to learn the event management and leadership skills.
- Students are also encouraged to participate in intra and inter collegiate seminars, quiz and project competitions.
- Sports and Cultural competitions are organized every year which provides the students an ample scope for extra-curricular and co-curricular learning.
- Course objective and course outcomes are discussed with the students to acquaint them with the subject. It helps them to understand the importance of the course in academics, career and higher education.

1. **Experiential learning:**

- Industrial visits and internships are arranged for the students by all the departments. It enables the students to bridge the gap between industry and institute.
- Training is provided to students to enhance their soft-skills, group discussions skills, aptitude test capabilities as well as interview techniques.
- Students learning experience also include Mini-projects and core discipline projects that helps them to use their theoretical knowledge into practice thereby enhancing their critical thinking and get hands-on experience.
- Students are also encouraged to participate in project exhibitions to sharpen their technical skills.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 94.74

2.3.2.1 Number of teachers using ICT

Response: 90

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Any additional information	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 16.17

2.3.3.1 Number of mentors

Response: 78

File Description	Document
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

- Learning management system (LMS) is in use for conducting effective teaching-learning process. The system is used to maintain the attendance record, feedback from students, faculty, parents and alumi and MCQ tests. Subject related notes, PPTs are also made available through LMS.
- E-learning materials from IITs, Internet, NPTEL are made available to the students through intranet and internet.

- Faculty members are trained through FDP programs by encouraging them to participate in such programs to develop teaching skills, soft skills and interpersonal skills.
- In case of syllabus revision faculty attends the orientation programs conducted by University of Mumbai.
- The institute also invites Adjunct faculties from various research institutions/industries and also arranges expert lectures for the students/staff to exchange and share thoughts and ideas of the current trends.
- Interdisciplinary seminars are arranged to understand the development in the recent trends in technology.

- ORELL-D -Communication skill development software is installed in language lab that helps in enhancing the communication skills and soft skills of students.
- Courses like spoken tutorials, MOOCs are arranged for increasing employability of students.
- Staff and students are encouraged to participate in national and international conferences and workshops to publish papers in reputed journals.
- Institute also arranges special talks and seminars to provide guidance to students for the competitive exams such as UPSC, MPSC GATE etc.
- Staff and students are benefitted at large by the institute Library which has vivid collection of books, bound periodicals subscription of Indian and International technical periodicals etc.
- Internet is available throughout the campus by LAN or Wi-Fi enabling the staff and students to access the online teaching-learning resources on demand.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 85.81

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 4.95

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
07	08	04	04	01

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 10.78

2.4.3.1 Total experience of full-time teachers

Response: 1024.3

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 1.05

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	00	00	00

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 5.74

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	07	5	8	5

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The Academic Calendar prepared with reference to the University Calendar provides information on the set dates for curricular, Co-Curricular and Extra Curricular activities so that students can plan the course of action. Institute adopts all the major reforms in curriculum, examination pattern and evaluation process prescribed by the University of Mumbai. The regulations, curricular and syllabus of all the programmes are available on the institute website. Choice based grading system is introduced for UG degrees by University of Mumbai. In the syllabus revision process initiated by university of Mumbai, the theory examination pattern is been divided in 80:20 marking scheme. Internal assessment comprising Mid Term and End Term test of 20/15/10 marks as prescribed in the syllabus is based on 40% and 70% completion of syllabus .The results of the same are declared within four days. The students can see their evaluated answer sheets and discuss the same with concerned faculty and the marks are conveyed to university at the end of every semester. Examiners for Orals and practical's are appointed by the institute from the approved panels of examiners as per the directives of university. Oral and practical marks are jointly evaluated by internal and external examiners. One or two faculty from each department jointly works in the exam team for the smooth conduction of exam work throughout the year. In addition to prescribed by the university, institute conducts online MCQ test for each subject using LMS system. This helps to understand in-depth knowledge of the students of the subject.

The examination committee meets periodically to discuss all the examination related matters Institute appoints Faculty members as examiners to evaluate answer Sheets. The Institute has self defined practice of masking and coding the papers for second and third year examinations which are conducted on behalf of university. Committee for Unfair means is also formed by the institute to address any problems related to exam. The Institute arranges CAP for the paper assessment of second and third year examination and also for university examination (FE & BE) .The CAP coordinators takes care of its functioning.

The faculty members regularly enter the details of attendance, test marks, laboratory performance, project marks and assignments /tutorial/workshop jobs marks etc of the students in the registers and the software. To get the hands on experience and understand the conceptual learning, third year students are advised to make Mini Projects and its presentations, under the guidance of the faculty.

Students are also evaluated by the outcome based indirect assessment in the form of group discussions, seminar, quiz, presentation, online test, oral, extra test etc. The direct assessment is also carried out as per the university of Mumbai norms. Review of major projects of Final year are carried out by external experts. Transparency is maintained throughout in all initiatives undertaken in the direct and indirect assessment.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The internal assessment system is transparent and it is evaluated on the basis of Students' attendance, laboratory work, assignments, tutorials, term test etc. After the test, the model answers and marking scheme are discussed by the faculty with the students. Solution of Midterm, End term and University papers are prepared by the subject teacher.

At the beginning of semester orientation session is conducted by each faculty member in which the faculty mentions the assessment scheme of the particular subject. The faculty maintains transparency while awarding marks and maintaining the documents. The students and their parents are made aware of the evaluation system through orientation program and Parent Teacher Interaction Meeting (PTIM).The institute encourages independent learning through project and paper presentations by students.

Since the previous year question papers are available in college liabrary as well as college website, the students can access it and use for their better performance.

Students can get benefit of 10 grace marks which are approved by university of Mumbai for completing 120 Hours in a academic year for NSS activities.

The mechanism followed by the college for internal assessment is completely transparent and robust as mentioned above.

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

Response:

The college has a dedicated examination cell to handle the activities related to examination.

The institute has grievance cell comprising senior and experienced faculty appointed by principal. At Institute level this committee takes care of the grievances regarding the evaluation process and any other related issues. The examination cell of the institute helps Students in referring them to the university with proper documents after detailed verification in case of any discrepancies observed in the mark sheet at the university level.

After evaluation of the test papers, the subject teacher distributes evaluated copies of their test papers to the students. The solutions for the question paper are discussed in the class and also uploaded on the e-Campus technology software. The students can approach the teachers in case they need a clarification on the award of marks. The teacher clarifies doubts regarding evaluation and if there is any change in the marks it is mentioned in the records.

In cases of issues related with mistakes in filing examination forms Institute refers the case to university through proper Channel and helps the students in resolving the same within the stipulated time. During End semester examination if students are having any doubt regarding question out of syllabus etc. and informed to the exam section then this query is immediately forwarded to university through Principal.

The semester 1, 2, 7 and 8 are evaluated by university and the semester 3, 4, 5 and 6 are evaluated in the college by examiners and moderators approved by university of Mumbai. If the student is not satisfied about the marks awarded to him/ her in End Semester examination he/ she can apply for photocopy of answer sheet as well as can apply for re-evaluation of the answer sheet by paying fees prescribed by University of Mumbai. The university/ college take the necessary steps regarding the same. If there is no change, the earlier marks are awarded to the students. If there is any change in the marks, the revised mark sheet is issued to the student as per the norms specified by University of Mumbai.

Utmost care is taken by the faculty so that no discrepancies are observed. Before the commencement of any university examination, Examination team updates the faculty about the rules and regulation. Also faculty instructs all the students regarding the examination rule.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

At the beginning of each academic year, the University of Mumbai gives guidelines about Commencement and End of semester dates, Schedule of Oral, Practical and Theory Examinations, holiday list etc.

On the above guidelines institute level academic calendar incorporating all the details of the curricular, co-curricular and extra-curricular activities is prepared based on the plan decided in Academic Council meeting. Every department prepares it's own departmental academic calendar on the basis of institute level academic calendar. Considering the academic calendar, teaching plan of each subject is prepared by concerned subject teachers. This plan consists of the daily lecture plan, weekly lecture plan as well as semester plan for the given subject. This plan is explained to the students during the subject orientation conducted by every faculty at the beginning of the semester. This helps in completing the syllabus as per university curriculum.

During the semester, record of Lectures/ Practical/tutorials etc is maintained manually in the attendance register and also entered in the software by respective subject teachers. The Mid Term and End Term examination dates are followed as per the academic calendar. The schedule of these examinations is announced well in advance and also displayed on the Exam section notice board, Departmental Notice board as well as on intranet. The assessment of Mid Term and End Term examination is completed in stipulated time. After showing the papers to students slow and advanced learners are found out.

The Experiments, Assignments / Tutorials assessed on regular basis. The MCQ test is conducted once in a semester for the better understanding of the subject by the students. The Pre-requisite test is conducted based on the syllabus covered in bridge course.

All these activities are conducted based on the schedule mentioned in Academic calendar.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Yes, Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes for all programs offered by the institution are stated ,displayed on website, institutional LMS & communicated to teachers and students.

Program outcomes, program specific outcomes of respective programs are displayed at various key locations on the department floors. These are also included in subject course files prepared by faculty. The students get familiar to PEO, PO & PSO by including these in the lab journals. The importance of the same is discussed during lab session by teachers.

University of Mumbai mentions Course Objectives & Course Outcomes (CO) in the semester syllabus of every programme. Each subject teacher not only includes CO in subject Course files but also discusses during subject orientation programs with department faculty. For every laboratory course code, CO's are prepared (if not predefined in the syllabus) and presented in course files as well as in respective laboratories.

Course Outcomes are mapped with Programme Outcomes under three main categories as High, Medium & Low, which is also discussed with the students. The mapping indicates how the Programme Outcomes are achieved through course outcomes by effective teaching learning process.

File Description	Document
COs for all courses (exemplars from Glossary)	[View Document](#)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The Institution has a well defined mechanism using e-paathsala software to prepare the attainment levels for program outcome, course outcome and program specific outcome. The faculties define the direct and indirect assessment methodologies and each question of internal assessment and each parameter of the indirect assessment are mapped to the program outcome, course outcome and program specific outcome. The result and performance data of every student is uploaded to the software which calculates the attainment levels of the PO, PSO and CO.

2.6.3 Average pass percentage of Students

Response: 96.08

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 417

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 434

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.49

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 7.68

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
3.437	2.34	1.90	00	00

File Description	Document
List of project and grant details	[View Document](#)
e-copies of the grant award letters for research projects sponsored by non-government	[View Document](#)

3.1.2 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.06

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 27

3.1.2.2 Number of full time teachers worked in the institution during the last 5 years

Response: 478

File Description	Document
Supporting document from Funding Agency	[View Document](#)
Funding agency website URL	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other

initiatives for creation and transfer of knowledge

Response:

PVPPCOE have started Padmabhushan Vasantdada Patil Technology Business Incubation Centre (PVP-TBIC) with a mission to promote innovation & entrepreneurship by converting technology ideas and innovations into products. PVP-TBIC is a not-for-profit college level set up, basically to be used as a platform for college alumni and interested students to start their business ideas in to start up's. Since its inception PVP-TBIC has incubated few start ups like Offers Park, and is now scaling up activities to support start ups through affordable co-working space, incubation support, and development programs which will be accessible to all. These start ups in the future are expected to create employment for many professionals. To achieve its objective, PVP-TBIC is creating a holistic ecosystem of mentors, resource providers, and partner organizations like Saturday Club, Mumbai which is an organization of 5000 active Entrepreneurs in India.

The prerequisite requirement of any business venture is a place to start. At PVP-TBIC we have provided office space with 3 Cubicles well equipped with all the communication equipments, computers, printers etc. to be used by the registered start-up(s) with us. This facility helps the budding Entrepreneurs to ensure their productivity at the initial stages of their ventures. We are also helping them by providing shared resources like Conference Room, Meeting Room, Labs, Library, Printer and Copier, Scanner and Teleconferencing Facilities At PVP-TBIC we believe in the process of constant growth and encouragement to fellow entrepreneurs. In order to explore strat-up(s) to evolve and explore new avenues we conduct various workshops, and events.

PVP-TBIC runs sector specific incubation program for an early stage technology startup(s). The Incubation Program is designed to support entrepreneurs with business mentor-ship, technology mentor-ship, finance and funding strategy, sales and marketing strategy, investors meetings etc. PVP-TBIC resources are allocated after the performance monitoring and proper registration of the startup(s). In the year 2015 our Alumni Students Mr. Gaurav Singh, Mr. Chirag Boke, Mr. Divyesh Mistri and Mr. Varun Dange has started a Web Portal called 'Offers Park' which was basically an online portal for giving information to public at large regarding offers on all types of products and services in Mumbai City. This project has got huge response and was successful venture by PVPPCOE Alumni's at our Incubation Centre.

PVPP-TBIC now with a new team of faculty members, Alumni Students is ready to accept new proposals from this year 2018 for its further growth for helping emerging Entrepreneurs. We at PVP-TBIC providing following facilities as our salient features to budding Entrepreneurs for their start-up(s) : 3 Cubicles with 1 dedicated PC each, Wired Net, Printers, Copiers, Storage Box, Housekeeping Staff, PVPPCOE Placement Team Support, Access to major events, workshop's and other programs in collaborations with Saturday Club, Mumbai, Faculty Co-ordinators from College to look after Incubation Centre.

File Description	Document
Any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 22

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
05	05	02	05	05

File Description	Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.01

3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	0	0	0	0

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 2.17

3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
79	63	20	20	25

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

PVPPCOE encourages faculty members and students to participate in social outreach programs in collaboration with registered NSS cell. Institute appreciates the services provided by students and faculties working for such activities as on duty. The neighborhood networking is sustained through linkages with services awareness campaigns and different "Abhiyans" to tribal areas. The National Service Scheme Cell

of the institution promote the participation of the students and faculties in extension activities including Blood donation camp, health checkup campaigns , tree plantation , Plastic ban campaigns, and pulse polio camp.   Student bodies of the college interact with different NGOs to serve the community also staff members participate regularly in various healthcare programs, and other awareness programs.   The outcome of this the college students have won a first rank prize for a Road Safety Awareness street play from Tata Consultancy Services (TCS). One of our students Ms. Arati Patil received recognition for actively working in blue ribbon movement and also received a certificate from BMC for arranging awareness campaigns of BMC activities.

Institute organizes a number of activities to promote institute – neighborhood - community network to sensitize the students towards societal needs and bring about social change in the surrounding urban and rural communities. The institute organizes various social events such as book donations, distribution of cloths to needy people through the event like "Wall of Humanity". Institute donates cloths, home appliances and medicines and funds in case of natural disasters.

The Eco-Club of the college is established in year 2013 in which the first year students are actively involved. Under Eco-Club the activities such as tree plantation, best out of waste project competition, skit regarding 'Save Environment', 'Save Fuel Day' and city cleanup drives etc. The college strengthens the sense of civic responsibility and actively involves students in community service activities leading to their holistic development.

The college has adopted the Asose village under the National scheme of Village adoption and development program. The college has donated 01 computer to Dahagaon village to develop computer literate children.

Institute has a systematic process to ensure the participation of all the students in social activities. Institute mandates the participation of students in campaigns like "Swacha Bharath", "Unnat Bharat", HIV/AIDS awareness. The NSS unit organizes camps in remote and underdeveloped villages for sensitizing and helping the villagers in sanitization, health camps, canvass against school dropouts etc. The NSS unit has been observing World Health Day, World AIDS Day, World Blood Donors Day and other important occasions for promotion of Health & Hygiene, World friendliness, Relief work during emergencies like flood, fire and other natural calamities, Literacy campaign, Avoidance of drugs, AIDS awareness, Blood donation, International women's day, girl child day etc. The students are encouraged to participate in awareness campaigns on environment, sustainability, gender and civic issues through street plays where student performs to give away a message to the community participation in all such activities is one of the important criterions for scholarships.

File Description	Document
Link for Additional Information	[View Document](#)

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 0

3.4.2.1 Total number of awards and recognition received for extension activities from Government

/recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	00	00

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 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 last five years

Response: 40

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	07	11	09	03

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 17.08

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
568	308	159	00	47

File Description	Document
Report of the event	
Average percentage of students participating in extension activities with Govt. or NGO etc.	

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 28

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
24	4	0	0	0

File Description	Document
Number of Collaborative activities for research, faculty etc.	
Copies of collaboration	

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 6

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
03	03	0	0	0

15-04-2019 12:37:33

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	<u>View Document</u>
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	<u>View Document</u>

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The Institute has an effective policy in order to create and enhance the infrastructure that facilitates effective teaching and learning. This policy ensures maximum and optimum utilization of the space and infrastructure so that the end user gets the best out of the available.

The institute is located in the heart of Mumbai city. The institute building has two wings with total area of 9149.20 sq. meters. This includes four departments, central library, classrooms, seminar halls, tutorial rooms, laboratories, workshop, drawing halls, specialized facilities and equipments for teaching and learning.

The institute has an enough space for conducting classes and related academic activities including seminar halls equipped with LCD projectors and laboratories with advanced equipments. Apart from these, various facilities are available which augment the academic activities.

The institute has nineteen classrooms admeasuring between 66 sq. Metres and 67 sq. meters. The institute has one conference room (board room) of area 50 sq. meters, two seminar halls measuring approximately 146 sq. meters and 135 sq. meters respectively. The institute has over all five tutorial rooms available for conducting tutorials with area of minimum 33 sq. meters to maximum 60 sq. meters. The institute infrastructure includes total thirty nine laboratories, out of which one computer centre of area 152 sq. meters with internet facility for both staffs and students. It also includes one language lab of area 66 sq. meters with Orell digital language software. For students and staffs the institute has central library of area 404 sq. meters which includes reading room and digital library. The Wi-Fi facility is also available in the campus. In order to incorporate advance teaching and learning methodology the institute has sufficient numbers of LCD projectors available in the premises. In the institute we have three copier machines, eighty one printers, twelve scanners and seven hundred twenty one computers available for students and staffs. For security, institute has installed CCTV cameras in whole campus. In each department HOD cabin, staff room, department office is available. The common facilities like vehicle parking area, canteen, drinking water facilities and washrooms are available in the campus. The institute has principal and PA office, central store, examination section, students section, placement office, girls common room, boys common room, stationary store, medical room, meter room, maintenance room, pump house, housekeeping, cafeteria, security office and all other offices available in the campus. In case of supply failure, the institute is having its own electric generator unit. In case of fire disaster as a part of emergency, institute has installed fire fighting system including wet riser, fire pump, booster pump, jockey pump, sprinkle pump, automatic smoke detection system, fire alarm system, court yard hydrants, portable fire extinguishers facility. Recently the institute has installed solar panel unit of capacity 72.96KW on the terrace of the institute building.

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

Response:

For all-round development of the students institute provides a fully equipped gymnasium (fitness zone) with area comprising nearly 77.32 sq. meters containing modern equipments like arm pulleys, wrist curl machines, moon benches, double bars, dumbbell stands, weight machines, multipurpose benches, dumbbell sets, loose bars, mirrors, weight plates etc. The gymnasium is open for both students and staffs from 4 pm to 6 pm on all working days. The gymnasium has amenities for both indoor and outdoor games. To play indoor games, there are two table tennis (TT) tables with bats & balls, carom boards with carom coins, chess boards.

For playing various outdoor games the institute has a playground of area 16810.4 sq. meter which includes pitch of cricket, football, volleyball, throw ball, tug of war, etc. On a playground we have two turf for playing box cricket and mini football matches. Number of nets are available for various games. For cricket we have six bats, season bats, season balls, helmets, and wicketkeeper's gloves, hand gloves, abdomen guards, elbow pads, chest pads, thigh pads, stumps and tennis balls. For volleyball, we have equipments like one big net, balls and timer. We have a net and two balls for throw ball. For badminton, we have rackets, shuttlecocks and a net.

The institute also educate the students about the awareness of the social activities under the National Service Scheme (NSS).The funds for individual students and for the annual NSS camp comes from the university. Shortfall if any, is borne by the college. We have started waste to compose campaign in the institute. The institute has wheelchair as well as ramp for physically challenged peoples. Two lifts are available for them as well as for staffs and students. Special washrooms are also available for physically challenged candidates. The institute has appointed cleaning agency which will take care of cleanliness of all the washrooms, staff rooms, laboratories and campus area. The institute have psychological counsellor Ms. Pooja Panjabi in the counselling room for students who conduct counselling lectures to test various aspects of personality, ability and aptitude of the students. Institute has also appointed Doctor Ms. Preeti Shukla in case of emergency medical issues. Area of the medical room which is also use as a counselling room is measuring 10 sq. meters. Apart from this, to provide medical facility for minor injuries, every floor is having first aid box easily accessible to students and staffs.

Apart from all these activities, various cultural activities like fusion, is the big annual function conducted at college ground as well as other cultural activities like traditional day, engineers day, fresher's party are usually conducted either in auditorium of area 146 sq. meters or in open space(podium) of college campus.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 21

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 14.52

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
52.41	54	151	88.25	13.52

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

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

Response:

The institute central library is fully automated using ILMS Software, e-Granthalaya, since 11/04/2007 with version 3.0(LAN/WAN) till the year 2014-15.

In the year 2015-16, the ILMS Software, e-Granthalaya is upgraded to version 4.0 (LAN/WAN) to till date(the year 2018-19),which is fully automated.

 The latest version of e-Granthalaya, version.4.0 software which is a "Cloud Ready Application" and

provides a Web-based data entry solution in enterprise mode with a centralized database for cluster of libraries is being used in the library. It is available over local area network.

e-Granthalya Library Software is developed by National infomatics Centre,(NIC), Ministry of electronics and information technology, Government of India. The software provides built-in Web OPAC interface to publish the library catalog over Internet and is UNICODE Compliant thus, supports data entry in local languages. Users within our campus can access various books /journals/titles by its author's names using the link e-Granthalaya 4.0 uses **PostgreSQL**- an Open Source DBMS as back-end database solution and is made availab in NIC National Cloud (Meghraj) for Government Libraries as per the NIC Distribution Policy . e-Granthalaya Library software aims at speeding up and simplifying not only librarian's day-to-day routine tasks but also takes care of more complex procedures that require skill and acumen.

System Requirements for e-Granthalaya:

- Application is hosted in NIC National Cloud and used Online by User Libraries for Data Entry and Member Services.
- No Component is installed and nothing to maintain at User End (Database and Application are hosted in NIC National Cloud)
- User Library needs to have Desktops with High-Speed Internet Connectivity (With Min 4 MBPS).
- Other Infrastructure required in Library: Desktop, Bar Code Printer / Scanner / Small Laser Printer.

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

1.Electronic Instrument Handbook:
This Handbook was edited by Clyde F.Coombs,recently retired from Hewlett-Packard.He is the editor of all five editions of the Printed Circuits Handbook.The first of which was published in 1967.The central library has one copy in its collection.
2.Process Control:
This a classical reference book on process control edited by Bel G.Liptak.The first edition was published in 1969.The central library has one copy in its collection.
3.Minitab Handbook:
Minitab is a powerful statistical software program that provides a wide range of basic and advance capabilities for data analysis.This Handbook was edited by Barbara F.Ryan,Brian L.Joiner, Jonathan Cryer.The first of which was published in 1976.The central library has one copy in its collection.
4.Radar Handbook :
This Handbook was edited by Merrill Skolnik.The first of which was published in 1970.The central

library has one copy in its collection.

5.HVAC System Design Handbook:

This Handbook was edited by RogerW.Haines P.E,a distinguished 50-year member of ASHRAE, is widely recognized as one of the foremost authorities in the field of HVAC engineering. The first of which was published in 1988.The central library has one copy in its collection.

6.Automotive Electronics Handbook:

This Handbook was edited by Ronald K.Jurgen was formerly a senior editor at IEEE Spectrum, where he specialized in automotive and consumer electronics writing and editing.The first of which was published in 1995.The central library has one copy in its collection.

7.The Control Handbook:

This Handbook was edited by WilliamS.Levine.The first of which was published in 1996.The central library has one copy in its collection.

8.Programming solutions Handbook for IBM Micro-Computers:

This Handbook was edited by Julio Sanchez who is an associate professor of Computer Science at Minnesota State University.He has collaborated on more than a dozen previous books with Maria P.Canton,including the"McGraw-Hill Programmer's Desk Reference"&"High-Resolution Video Graphics".The first edition published in 1991.The central library has one copy in its collection.

9.Handbook For Electric power Calculations:

This handbook provides detailed step by step calculation procedure commonly encounted in electrical engineering.This Handbook was edited by H.Beaty.The first of which was published in 1997.The central library has one copy in its collection.

10.The Electric Image Handbook:

This text provides details on many of the new features of Electric Image 2.9 which are tailored to the creation of good character animation.This Handbook was edited by John Sledd.The first of which was published in 1999.The central library has one copy in its collection.

4.2.3 Does the institution have the following:

  1. e-journals
  2. e-ShodhSindhu
  3. Shodhganga Membership
  4. e-books
  5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<u>View Document</u>
Any additional information	<u>View Document</u>

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 12.22

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
2.67	14.72	14.22	27.84	1.63

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	<u>View Document</u>
Audited statements of accounts	<u>View Document</u>

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

4.2.6 Percentage per day usage of library by teachers and students

Response: 8.85

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 120

File Description	Document
Any additional information	<u>View Document</u>

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Institute brings latest technologies to upgrade student's knowledge as per the students and research academic requirement. It also helps faculties to improve quality of research. Currently institute has total 615 PCs in various departments for students only. All PCs are equipped with internet facility and latest version. These are distributed among various departments and are integrated through campus wide intranet with access to internet.

Enough provision is made available in the annual budgets for the procurement of computer systems. Number of computers available in the academic year 2012-13 were 294. The institute has very high-end core switches and servers. On regular basis the capacity of hardware devices were increased like hard disk, LAN Switches, HDD External Seagate etc. In the academic year 2014-15 number of computers increased to 333 to fulfill the increasing demand of users with latest configuration Intel Core i3. The number of computers increased to 583 in the academic year 2015-16 to meet the increasing academic demand and make student industry ready having configuration Dell Optical 3020 Desktop, Dell 18.5" Monitor i3 4th Gen/4GB RAM/500GB HDD/DVD RW/Ubuntu/Dell Keyboard & Mouse. Institute frequently replaced outdated computers and hardware to provide high and recent generation IT facilities to student and faculty for academic and research work.

The college provides high speed internet facility to every student and staff at the respective departments in order to access the required study material from available e-resources. Uninterrupted internet supply is made available in the campus, so that the all labs and seminar classes are conducted without any interruption.

Wi-Fi facility is also available throughout the campus for all the students as well as teaching and non-teaching staff. Initially Wi-Fi facility is provided in theacademic year2015-2016 with total six access points which are available on the ground floor of the building. In the academic year 2017-2018 entire campus of institute are Wi-Fi enabled.

4.3.2 Student - Computer ratio

Response: 2.05

File Description	Document
Any additional information	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	[View Document](#)

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)
Link to photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 47.46

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
282.36	335	239.62	261.64	93.04

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)
Audited statements of accounts.	[View Document](#)

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.

Response:

The institute maintained all the physical & academic facilities through full-time staff members appointed by the institute as well as by the external agencies through AMC and CMC contract.

1.Computer Facilities:

AMC contract is given to external agency for the maintenance all computers within the college.The ESP deploys one full-time person in the campus to check all the equipments and take necessary actions.The ESP will ensure timely replacement of any parts as necessary.

2.Classrooms,Washrooms,Water purifier & Water cooler:

The institute has appointed external agencies for maintenance and repair of infrastructure.The classrooms and wash rooms are cleaned daily.Dustbins are placed in every floor.Maintenance of water Purifier is contracted by ACE Technology.They visit the campus for servicing of Water purifier and Water cooler.

   3.Pest Control:

Pest Control is conducted on a regular basis in collaboration with an external agency.

Annual Maintenance contract is given to this external Agency.

   4.Electrical Facilities:

   The institute has appointed two dedicated staffs on regular basis for the maintenance of

   all the electrical facilities available in the campus.

5.Elevator, CCTV Cameras & Inter Telecommunication:

Annual Maintenance Contract is given to Victoria Elevators.Power Backup is available in Elevator.If the elevator gets stuck in middle,the ERD system in Elevator helps to reach nearest Floor and immediately the door gets opened.

6.ICT Class Rooms:

The care of the ICT class rooms is taken by the internal committee and the maintenance is done by an external agencies.

7.Security & Medical services:

The institute has made an agreement with V.P.Security Services.The institute has appointed Dr.Preethi Shukla for the health check up and for any emergency.The institution also has first Aid boxes on each floor and in the workshop.Inspectiuns of these first Aid boxes are carried out by the departmental clerk and any outdated medicine is replaced frequently.

8.Fire Extinguishing Equipments & Electronics Laboratory:

The college has made an agreement with external agencies.Electronics laboratory equipment is maintained by technical supporting staff.In case of any repair requirement,service is hired from outside agencies.

9.Library:

Maintenance of the reprographic machine is done by Library staff.Books are weeded once in every 07 years, replacing them with new books.Periodic Maintenance of Books Dusting is conducted daily and damaged books are repaired as and when necessary.

10.E- Waste & Solar System:

The Institute has designated storage space for temporarily storing all electronic waste.The institute has appointed an ESP to collect e-waste yearly.There is CMC for one year for the electrical maintenance and cleaning of Solar System with external agency.

11.Sports:

The maintenance of sports ground done regularly by the maintenance department of the institute.The indoor sports are maintained by the Sports committee of the institute monitored by the higher authority.Interim maintenance is performed as and when required.The purchase requests are forwarded to the principal of the Institution.The sports equipments which are not in use are discarded after an inspection from the committee.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 54.1

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
786	643	849	808	730

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 3.19

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
64	65	30	20	30

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	[View Document](#)
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 72.34

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
968	1058	744	1245	1023

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	
Any additional information	

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of the students benifitted by VET	
Any additional information	

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	
Details of student grievances including sexual harassment and ragging cases	

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 36.58

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
99	178	281	124	90

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 1.15

5.2.2.1 Number of outgoing students progressing to higher education

Response: 5

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 37.31

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
05	03	5	04	02

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	10	20	17	25

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

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

Response: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The Student council was formed from academic year 2011-12, to complement the intense technical environment in the institute. Student council is an instrument for all round development of students, through which we inculcate sense of social responsibility and ethical behavior. This platform is provided for the students to have hands on training in administrative procedures, develop group management and leadership qualities. The objective of Students council is to create good citizen of India.

Faculty head for student council is nominated by the principal. The student members are selected from the willing students. Keeping in mind the stake holder's interest, the students who have scored more than 60%

only can apply for student council posts. A student can hold only one post at a time. Once selected for Student council post the students is not given any other departmental or institute level committee responsibility.

At the time of student council selection the application are invited from third year students and also asked to introduce himself and about his plans for the coming year. In presence of Principal, all department HOD, Dean, outgoing student council together with all class representative, the members of student council are selected as per the authorized procedure. All the departments are well represented in the council. The student council along with CR's is the back bone of all extracurricular, technical, cultural and sports activities, such as Fusion, Sportivo, Ganpati festival, Teachers day celebration, Independence and Republic day celebration and farewell to BE students.

The ladies representative selected in students council is by default the appointed student Counselor for Grievance redressal in Women's Grievance Redressal & Development Cell (WDC). "Women's Day" is celebrated on every 8th March for all ladies faculty and girl students. Even though the Institute is a co-ed institute there are no Grievance reported. Students and Parents are also members of Anti Ragging Committee as per the norms.No case of ragging is reported in the institute.

The departmental Students committees EESA and ETSA organize extracurricular technical event "OSSILATION". Also CESA and ITSA organize extracurricular technical event "TANTRA"

STUDENT COUNCIL LIST 2018-19.

Sr. No.	Name of the Student	Position	Contact N
1	Ms.Harshita Jain	General secretary(GS)	982041427
2	Ms.Shraddha Sonde	Cultural secretary(CS)	810887180
3	Mr.Kaustubh Tambe	Cultural secretary(CS)	977395285
4	Mr.Bhavesh Atwal	Cultural secretary(CS)	706670659
5	Ms.Anuradha Advade	Sports secretary (SS)	773875579
6	Mr.Ashish Patil	Sports secretary(SS)	981955234
7	Ms.Gauri Sukale	Lady representative(LR)	773891432
8	Ms.Aditi Bhosale	Lady representative (LR)	986762961
9	Mr.Aniruddha Redij	Public relation officer(PRO)	992059687
10	Mr.Prathamesh Dabekar	Public relation officer(PRO)	720851343
11	Mr.Sumit Gupta	Public relation officer(PRO)	845203585
12	Ms.Amrita Sah	Documentation Head (DH)	976952800
13	Ms.Nidhi Kochrekar	Creativity Head (CH)	770979157
14	Mr.Prince Jain	Member	983369825
15	Mr.Swapnil Dhane	Member	986760931

File Description	Document
Link for Additional Information	[View Document]

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 1.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
02	02	02	01	01

File Description	Document
Report of the event	[View Document]
Number of sports and cultural activities / competitions organised per year	[View Document]

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

PadmabhushaVasantDada Patil Pratishthan's College Of Engineering's has active official Alumini Association which is formed in the year 2017-18.Through this association, the alumni of many years have maintained strong relationship with collage. The member of college organizes alumni meet wherein we provide a platform to our accomplished alumni to showcase their achievements, to share their professional experiences to encourage their juniors. Respected General Secretary Sr. Advocate Appasaheb Desai and Principal acquaint the alumni regarding various aspects of the institution and put across the mission for future.During this meet alumni are invited to share their inspiring memories and take keen interest in the development of meritorious students with financial problems and explore opportunities for training and placement. Alumni Association facilitates bridging the gap between young upcoming engineers and accomplished alumniin accordance with industry needsand brings the theoretical knowledge and practical experience together.

We are connected to alumni through social network facebook, whatsapp etc. and interact formally and informally. The suggestions given by Alumni are of immense importance to us. Alumni contribute to an enriching learning experience through expert talks , workshops, hands on training programs , project reviews and also as project mentors grooming the juniors. They also contribute towards preparing the students for placement by guiding them for aptitude test competitive exams, group discussion, personal interviews and also CV writing based on their personal experiences.

Alumni take keen interest in development of teaching facilities not only by their suggestions but also by organizing workshops and guest lecture.

Our alumni not only have been proved as technocrats but they have shouldered their social responsibilities adequately by contributing their technical knowledge for societal use. One of our alumni has mentored his junior to develop a website www.scudzap.com which gives information of various opportunities available in the industry and online certification courses.

An alumnus is associated with the [LMC/CDC] College Development Committee who contributes expert industry insights.

In academic year 2017-18 Departmental advisory committee is formed, with an alumnus representation**.**

Our alumni have made us proud time by achieving laurels round the globe.

File Description	Document
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years(INR in Lakhs)
? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Alumni association audited statements	[View Document](#)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	[View Document](#)
Report of the event	[View Document](#)

15-04-2019 12:37:44

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision:

To provide an environment to explore, encourage and educate students by facilitating innovative research, entrepreneurship, opportunities and employability to achieve professional goals.

Mission:

- To provide facilities in the area of research and development.
- To initiate the collaboration with industries and academic institutions in terms of project and internship.
- To build up appropriate moral and ethical skills, to promote holistic development of students through various academic, social and cultural activities.
- To develop leadership and to sharpen the students skill by providing them opportunities for working in an innovative and interactive environment.
- To kindle the zeal among the student and promote their quest for academic excellence.
- To strengthen industry academic interaction to bridge the gap between theory and practice.
- To recruit, retain and enable a diverse community of exceptional faculty and students.
- To mould the students into competent professionals to foster economic development to meet the societal needs globally.

Nature of Governance:

The college has a visionary management constantly looking for way and means of incorporating quality in education. It gives the roadmap and guidelines to create learning environment. Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Eastern Express Highway,Sion, Mumbai, Indian was founded in the year 1990 by Late Shri. Manohar Phalke with the grace of Late Padmabhushan Vasantdada Patil, the former Chief Minister of Maharashtra and Governor of Rajasthan. The college is spread over a total area of 7.34 acres of land, out of which 4.15 acres is for playground and has built up a huge infrastructure in the form of class rooms, laboratory rooms , workshop, seminar halls and a central library with other amenities as per the AICTE guidelines. The Institute is accredited by National Board of Accreditation (NBA) for 3 years w.e.f. March 15, 2012.

The cosmopolitan and pluralistic nature of the college enables to provide holistic education by concentration on effective teaching-learning including innovative teaching method such as ICT classrooms, bridge courses and remedial lectures for weak students. The college motivates the student's council to organize technical events, cultural events and ensure the maximum participation of the students

Scholarships:

Under privileged students are getting benefits of scholarships/ free ships by Government and Non-government organization. The college also provides Vasantdada Patil scholarship to the meritorious students.

File Description	Document
Link for Additional Information	[View Document](#)

6.1.2 The institution practices decentralization and participative management

Response:

- Many of the processes in Academics and administration that were centralized earlier are being selectively decentralized.
- The management has empowered the IQAC to take decision related to curricular, co-curricular and extra-curricular activities.
- Resulted in the IQAC, Principal, Head of Department and Faculty taking autonomous decision at their level for accomplishing the set goals.
- Decentralization has resulted in increasing the overall and effectiveness of the system and at the same time empowering and strengthening the capacities of the various branches of administration.
- Organization of Conferences and Seminars at State, National and International levels gives an opportunity for the delegation and devolution of responsibilities and decision making which is the motive and essence of Decentralization.
- The existing organizational structure, as per the AICTE requirement, the institute has formed certain bodies in which there is more or less equal blend of faculty members and staff from different departments and sections which comply with the decentralization of role and participatory management. This gives everyone opportunity to play a role and handle responsibilities.
- The different bodies include the IQAC, Examination Cell, Anti Ragging Committee, Grievance Redressal Committee, Sport Committee, Research Committee. All these committees function in accordance to their specific guidelines.

Case Study: Organization of International Conference (ICIRTE-2017)

Process: The case study reflects the decentralized and participative management practiced in the college.

The following steps are indicative of the same:

Approval:

In the first general staff meeting of college it was decided by consensus that the college would organize an International Conference. The IQAC forwarded the proposal to the college the Principal for final approval.

Planning and Execution:

A committee comprising of the staff members of various departments was formed to organize the conference. The head in consultation with senior staff members defined the scope and thrust area of the conference. Committees such as Research and Review Committee, Registration, Hospitality and Publicity were formed. The convener conducted separate meeting with each committee on regular basis to monitor was formed. The convener conducted separate meeting with each committee on regular basis to monitor the preparation for the conferences. The research committee reviewed the research paper. Other committees started their preparation such as publishing through website, social, media and personal reference, purchase of stationary, conference kit and certificates.

The Principal was updated about the progress of conference work time to time. The finalization of the program was done in consultation with Principal. ICIRTE was held from 26-27 October, 2017.

Outcome:

More than 194 papers were accepted out of which 147 papers were selected and presented by the delegates. Abstract book ICIRTE-2017 was published and released. The combined efforts of the Management, Principal, Convener, Committee Members and student Volunteers were fruitful in the successful organization of an event of academic and organizational magnitude.

File Description	Document
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The institute's operation is guided by a strategic plan as decided by Governing Body of the institute which has been formed in accordance to the University norms and regulations to which it is affiliated. As per

Governing Body plan the Principal and the departmental Heads execute the operation. The Governing Body also suggests necessary actions to be followed for academic excellence. The follow up action and corrective measures are taken in the next academic year and the results are presented in the next Governing Body meeting for evaluation. Thus the academic excellence and quality of operation is continuously monitored, guided and ensured.

The institute as a part of its strategic operation focuses on the followings: College executed the plan of digitization of administration at many levels which include Student data, Maintenance of Fees records and Accounts, examination, Library, Learning Management System (LMS) and Biometric Attendance. Intranet is used in order to peculate all Notice regarding Academic and Non-Academic activity.

The institute as a part of its strategic operation focuses on the followings:

1. Encourage faculties to improve quality of institution.
2. To increase no of ICT class rooms.
3. To introduce number of certified courses on industrial requirements to bridge the industry academia gap.
4. To motivate faculties to interact with other institution.
5. More Emphasis on to sign MOU with foreign universities.
6. To sign MOU's with more number of industries that makes availability of internship to our students.
7. More emphasis on Extra-Curricular activities such as encouraging effective organization of Technical Fests, encouraging the students to participate in different technical as well as non technical competitions.

File Description	Document
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The PVPPCOE is an affiliated engineering college that operates under the statutes, regulations and legal framework of the University of Mumbai. The institute is owned and managed by the Padmabhushan Vasant Dada Patil Pratishthan(PVPP).The PVPP has constituted the Governing Body that following the norms of AICTE. The Institute is under the administrative control of the Governing Body. The Governing Body meet regularly to discuss various administrative and academic issues presented by the Principal who is the member-secretary. The Principal executes the directives and suggestions offered by the Governing Body with help of various committees and bodies of the institute. While executing all the academic and non academic activities code of conduct followed.

File Description	Document
Link for Additional Information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

    1.Planning and Development
    2.Administration
    3.Finance and Accounts
    4.Student Admission and Support
    5.Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The different bodies of the institute function coherently for the improvement of the institute. All the different bodies have their respective heads who act as the chief nodal persons. The different problems are expressed in the meetings of the respective bodies, duly noted with justification and are advised in the form

of resolutions in the minutes of the meetings. The effective implementations of these resolutions are measured in terms of the action taken reports which are duly documented subjected to their completion.

Academic Council

The Academic Council aims to foster high academic standards and will strive for continuous improvement in practice and performance PVPPCOE. All the carried out through

Research & Development

Research has been considered as an important integral part of the academic endeavors in our College. Many Seminars and workshops are organized by the College to provide expert information on research methodology. The College promotes faculty participation in research by granting them leave, helping them in participation of faculty improvement programmes and arranging for books required by them.

NSS Unit

Our N.S.S. unit organizes programmes like Cleanliness and Social Awareness drive, Volunteers visited the adopted area to conduct a cleanliness drive with an objective to develop a rapport with the local community as well as create social awareness. Awareness about issues like facing the menace of AIDS, Saving the Girl Child, was created.

Blood Donation Drive is conducted in the month of October in every year on occasion of the death anniversary of Manohar Mama Phalke.

Placement Cell

Experts are invited from various fields to deliver guest lectures and industrial visits are arranged. Many students are placed every year in different organizations through campus interviews conducted in our college, in collaboration with prominent industries. College has signed MOU's with various industries.

Women's Grievance Redressal and Development Cell

The Cell will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the college.

Anti Ragging Committee

Anti Ragging Committee perform following functions

- To build self-esteem & dignity among girl students & ladies faculty member.
- Creation of cordial and free atmosphere.
- Involving seniors and freshers jointly in value based cultural and other activities.
- Entrusting the responsibilities jointly

Grievance Redressal Committee

The person concerned with any grievance shall come with their problem to the Head of this committee and the committee will investigate into the matter and shall try to resolve it as quickly as possible.

SC/ST Committee

The Scheduled Cast (SC) and Scheduled Tribes (ST) Cell is an institute promotes the special interest of students in the reserved category and to provide special inputs in area where the students experience any difficulty.

File Description	Document
Link for Additional Information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

- New India Assurance Accidental policy for staff members.

All Teaching and non-teaching faculty has been registered with New India Accidental Policy.

- LIC gratuity policy for staff members

LIC group gratuity policy is available for teaching and non-teaching staff members. Many staff has been taken the benefit of this policy.

- Counselor is appointed for all staff members and students in the college.

- Permanent Doctor is appointed in our college.

For All the faculty and non-teaching staff as well as students in medical emergency doctor is available in college campus rates. In addition, depending on complexity of case and repayment capacity of staff member, college will provide always support to particular member.

- On-duty leave facility whenever faculty and staff travel on duty for Conferences/STTP/Workshop/Seminar.
- Provident Fund as government rule.
- Gratuity on attainment of superannuation for teaching and non-teaching staff is available for all eligible staff.
- Registration charges for attending Conferences/STTP/Workshop/Seminar
- Special leave/Weekly off for Ph.D. registered faculty.

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 17.94

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

2017-18	2016-17	2015-16	2014-15	2013-14
49	08	12	13	4

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 5.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	5	5	5	6

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 8.86

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	11	06	16	04

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

* Performance Appraisal and Reward System

Appraisal System based on Recognition and appreciation of a job well-done by the individual's self-image and self-recognition to optimum heights. The Management ensures that the right people are available at the right place and right time, and have the capability and competence to work effectively and efficiently so as to achieve the objectives set by the organization. There is an elaborate appraisal system at place which gives weight ages to academics, research, student and peer feedback and contribution to institute and department. Based on these criteria, appraisal is carried out and rewards are given to teaching and non-teaching staff.

Performance appraisal of a faculty member is based on following factors:

* Self-appraisal is carried out by faculty in the end of academic year and semester.
* Students Feedback.
* Feedback by HOD/Principal.
* Result.

The HOD reviews the appraisal performance reports and put up to the Principal for arriving at conclusion regarding overall performance of the faculty. The decision taken by Principal on appraisal and feedback are conveyed to HODs. Appraisal is shared on advisory based with faculty for the scope of improvement and areas needing attention.

Following decisions are taken based on performance of faculty:

* Rewards to performing faculty through incentives and recognitions.
* Promotions and selections to higher positions depending on suitability and performance and not merely on seniority.

Annual magazine of the institute are read out at the Annual Prize Distribution Function and Convocation to appraise the stakeholders about the major research work and other contributions by the staff members.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute conducts internal and external financial audits regularly audited by external component

authorizes. For internal audit, a team comprising of accountant, member of finance paves the way for error-free accounts and it becomes easier for external auditor to conduct institute audit smoothly. As the audit work is done periodically and by various authorities timely, there are usually no major audit objections.

Internal Audit:

The Management of the college has appointed an internal auditor to detect errors at the earliest and devise effective control system to prevent their occurrence. Suggestions of internal auditor to improve the accounting financial system are incorporated. Internal audit is done on periodical basis. Observations made by the auditor are brought to the notice of accountant and Principal of the college.

External Audit:

The Management has appointed M/S S.S. Rane and Associates as an external auditor. The financial statement of the college including books of accounts, vouchers, statement etc are audited by the external auditor. The last audit was done for the financial year 2017-18.It was completed in Sept 2018 and the report submitted to the management. No major objections were raised during last audit.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 14.45

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
4.19308	2.55461	1.28775	6.41	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document]()
Annual statements of accounts	[View Document]()

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The finances of the institution are judiciously allocated and effectively utilized by proper budgeting system. The institution is effective in resource mobilization and planning development strategies. Financial

committees in the institute comprise of both teaching and non-teaching staff. The principal and the management allocate funds according to the demand of particular vendors/suppliers and the ones providing the best quality and best price are selected for procurement. The automation of account helps the management for monitoring the financial resources.

Expenditure of PVPPCOE is mainly divided into four parts

1) Administrative & Establishment Expenses

2) Educational Expenses

3) Expenditure in respect of property

4) Salaries & Allowances

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

Response:

The IQAC is relatively a new set up in the institution. However, the IQAC makes all possible efforts to ensure an effective quality improvement and quality monitoring in the institution.

The IQAC has advice toimplemented an online feedback system where 360 degree feedback, library feedback, curriculum feedback, course exit survey, gender audit for females, psychometric test and institutional feedback is taken from all the stakeholders as applicable such as students, faculties, parents and alumni.

The IQAC has also advice to implement an online e-Paathshala for smooth operations of the academic and administrative functions and manage accreditation processes. The automation for various academic and administrative functions is being carried out in a phased manner.

An online payment gateway is also implemented in the institution from the current academic year. IQAC aims towards paperless office through various online processes.

IQAC has also been instrumental in ensuring quality teaching learning.To enhance teaching-learning process smart class room has been implemented department wise. All faculties have been advised for 100% ICT usage,LMS, online MCQ etc. Also for students enhancement it is suggested that to conduct workshop's, certificate course, Arrangement of IV's(Industrial Visits) and Extra classes for FE and DSE students.

IQAC aims towards the 100% completion of syllabus and extra lecture to be conducted if required. For that

purpose IQAC suggested Orientation program, Addition in course file such as Midterm and End term Paper solution, Pre-requisite test etc.,Preparation of Academic calendar at the beginning of semester and monitoring of lectures by HOD's , Dean's & Principal.

Creativity in teaching such as conducting Group Discussion, Case Study, Seminar and Mini Projects is introducedas per requirements for the subjects in every semester. Transparency in evaluation   procedure for mid/end term.

Earn and Learn Scheme and scholarship for students is introduced in the institute for poor and needy students.

The IQAC encourages faculties to be involved in research work, for that purpose an International Conference is also organized in the institute from 2017-18 and will be held every year whichwould promote to publish the research work of faculties.

IQAC has encouraged faculties to conduct and participate in STTPs, workshops, FDPs, and Minor research projects etc. Student research projects, is also encouraged. Incubation centre has been started from 2015, one project successfully completed under incubation centre.

Institute has signed MoU with different reputed institutes for Entrepreneurship Development Program.This year MoU is signed between College and Saturday Club, Mumbai for development of Entrepreneurship.

As a part of eco-friendly campus, solar energy electricityi.e Green Practice, E- waste disposal, Effective waste disposal, Rain Water Harvesting and Water Conservation System is implemented in the institute and campus is aim towards plastic free campus.

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

Response:

The IQAC is relatively newly set up and reconstituted as per the latest norms. However it has implemented a number of steps to ensure quality teaching learning and achieve the desired learning outcome level for every course.

IQAC has always monitoring to ensure quality teaching- learning.To enhance teaching-learning process faculties started for using smart class room which is implemented department wise.

Expert lecture and Industrial visits organized for students in every semester which helps students to get subject exposure.

IQAC insists all faculties to upload their subject wise notes and PPTs in e-Paathsala software and make it available to students. NPTEL links for all the subjects are given to students.

IQAC makes a transparency in evaluation procedure for mid/end term by showing answer books to students.

IQAC analyzed the feedback using online software and necessary actions are taken based on the report and recommendation report compiled is forwarded to the higher authorities for betterment.

Advance learners are identified and they are given special facility to get extra books from departmental library. Also from Mid-Term test result, fail students are identified as a Slow Learners for them Remedial lectures are conducted.

IQAC monitors the attendance of all students subject wise by creating defaulters list on monthly basis. Necessary actions are taken based on the list to improve the attendance of students so that they are benefitted by attending all the classes.

IQAC maintain the quality of STTP's and Conferences such as, All STTP's are organized on Latest and Global topics, where Speakers are from renowned Institute and Industry such as C-DAC, CISCO etc are invited.

End-Term result shows that there is improvement in slow learners due to remedial lectures.

Student's attendance is improved due to regular monitoring of attendance.

Due to regular evaluation process regularity in students has been improved.

Subject wise online MCQ test makes students capable for future online test.

Advance learning process improves success ratio of students Higher education exams such as GATE, GRE-Toefl, CAT etc.

All this things helps students to achieve success in academics.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 1.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
09	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

1. Usage of ICT and LMS is increased which help to Advanced the teaching learning process.
2. Innovative methods such as conducting group discussion, taking case studies, mini projects, seminars etc. have been taken subject wise which boost up the result improvement of students.
3. Earn and Learn Scheme is facilitated for financial beneficiary of the students.
4. To Motivate Meritorious students Vasant Dada Patil Scholarship is provided.
5. Regular Job and career fairs FUTURA are organized in the institute campus.
6. Techno-Cultural Week is celebrated in that Oscillation is for EXTC and ELEX, Tantra is for COMP and IT.
7. For sport activity, Indoor sports i.e. Turf and Gym is made for Boys and Girls.
8. Various clubs have been formed where the students can showcase their talents apart from academics.
9. Institute has started receiving funds from University of Mumbai for Minor Research Projects.
10. As a part of research work, 5 Patent filed through IPR and many papers get published in International conference which is organized inInstitute every year.
11. 1-2 faculties registered for Ph.D. admission.
12. Institute has signed MOU with reputed institutes for Entrepreneurship development due to which no of incubator is increased from 1 to 3.
13. Solar energy unit (Green Electricity) is purchased inInstitute, as a result almost 50% reductions in electricity bill.
14. As a part of MoU , E – Waste disposal and effective waste disposal (biodegradable and non biodegradable) is carried out in Institute itself.
15. Water conservation system is implemented in Institute.
16. As a part of social issue Blood donation camp, Human Wall and Zero Budget farming is conducted under the NSS unit.
17. Counselor is appointed to give guidance on personal or psychological problems for all students and staff.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 12

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
03	02	03	02	02

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:
    1. Safety and Security
    2. Counselling
    3. Common Room

Response:

Gender equity and Gender sensitivity are equally important and brings fairness and uniformity of treatment for women and men, according to their respective needs. PVPPCOE maintains this culture in the campus by providing the different facilities in terms of obligations, rights, benefits and opportunities. Institute provides security guards at every key location like main entrance, lift, ground, every floor and supervise the entire campus. They are equipped with walky-talky to have proper communication in case of emergency. The team of security guards consists of few lady security guards also. The security at the entrance checks the identity card of the students and visitors for avoiding any mishaps. CCTV cameras are installed in the campus at strategic locations for monitoring the activities in the campus. The institute has appointed faculties as floor managers on every floor to address any problems faced by girl students or boys. The faculties take rounds intermittently for the safety of the students and maintaining discipline in the institute. Lady medical officer is appointed to take care of any emergency medical problems faced by students' or staff while they are in the college. For assisting and guiding the college staff and students college has appointed a lady counselor Ms. Pooja Punjabi. Also all the departments have allotted mentors for all the students to solve difficulties related to teaching or any personal problems. Students can meet them anytime or in the allotted time in case of any issues. During mentoring sessions mentors discuss

about the points like academics, personality development, placements, higher education etc. with their mentees. Counseling sessions were also arranged in the beginning of the academic year for the fresh batch of students & direct second year admission to remove doubts in their minds concerning the chosen carrier, to build self confidence amongst student community and to remove any apprehensions regarding gender equity. College has provided girl's common room and boy's common room in the campus. The common rooms have proper seating arrangement, magazines and indoor game facility. Girl's common room has separate washrooms, and sanitary napkins vending machines. PVPPCOE has Women's Grievance redressed and development cell functioning actively to solve problems of sexual harassment. PVPPCOE also encourage different activities for gender equity promotion

File Description	Document
Any additional information	[View Document](#)

7.1.3 Alternate Energy initiatives such as:

1. **Percentage of annual power requirement of the Institution met by the renewable energy sources**

Response: 46.11

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 87920.2

7.1.3.2 Total annual power requirement (in KWH)

Response: 190663.2

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 21.6

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 115.240

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 533.460

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid waste management:

Two separate bins are provided in the campus to segregate dry and wet waste. The Institute has a Composting plant wherein compost pit is been dug in the college premises where all the organic wastes produced within the campus are allowed to decompose in the pit which helps in generating good manure. This manure is used for the healthy growth of the trees and plants present in the campus. We recycle both kitchen and garden waste by keeping a compost bin in our garden. An insulating bin is essential so we use drums. A lid or covering, such as a piece of old carpet, keeps the contents of the bin warm and the rain out. The bin is positioned on an area of soil so that composting creatures such as worms and soil micro-organisms can help to break down the organic waste in the bin. To accelerate the composting process, we add Clusters active bran to the food waste and leave it to pickle for two weeks in the compost bin. Kitchen waste is high in moisture. Add a supply of dry material, such as cardboard, scrunched-up paper, coarse twigs and stems to stop the compost heap collapsing in on itself and becoming slimy. We check the base of the heap after several months and dig out any dark, well-rotted compost. Acidic conditions inhibit decomposition, so occasionally we add a little ground limestone or gardener's lime.

Solid Waste like office waste, classroom waste, and any general waste is not regulated for special disposal and is placed into a general waste dumpster. Building Service staff whose responsibilities include emptying building trash cans, are responsible for collecting material from buildings and depositing them in the nearest appropriate dumpster. Staff is responsible for closing the lid to the dumpster after depositing material inside.

Liquid waste management:

It is the regular practice in the institute to ensure that excess quantities of chemicals are not purchased. Regular checks are kept on the Storageareas to ensure that large quantities of chemicals are not accumulating. Sewage treatment plant is instituted in the premises. The liquid waste is checked for its quality in the treatment plant and is further used for gardening in the campus.

E-waste management:

E-waste can lead to adverse human health effects and environmental pollution.We are using LCD based monitors to reduce the effect of e-waste. MOU is signed with E-Incarnation Recycling Private Limited for the collection of E-waste generated in the campus. The inoperative equipments are procedurally removed on regular basis for further processing. We donate old working products like PC, benches to schools and needy people. Non-working e-waste like CDs, DVDs, cell phones and chargers, used ink jet cartridges, computers, printers, keyboard, circuit board, calculators, scanners, lab equipments, hot plates are properly disposed. Alkaline batteries which are used in certain sections are preserved because their disposals create a huge impact on the environment.

File Description	Document
Any additional information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water harvesting is very important for accumulation and storage of rain water and its reuse on site. Rain water harvesting is adopted by PVPPCOE to collect rain water and use it to maintain the garden in the campus from the last two years. The Rain water harvesting unit comprises a percolation pit, settling tank and filtration chamber. A settling tank is constructed with 9' thick brick work and is plastered and covered with a tank cover. The filtration chamber is also constructed with 9 inch thick brick work with complete internal plaster along with layer of brick charcoal, metal filtration media interconnection with ground water recharge unit and covering of tank with cover. Borewell recharge unit consists of combination well comprising 2 set of 4 feet dig ring wells designed for bore well recharge each ring well is 7 feet deep. Rubber filing of ring well and each ring well is filled with layers of metal and charcoal, bricks for percolation. Rubble filling around the combination well to allow maximum sub soil water penetration into bore. From the start of the Project, the harvested water is utilized for the purpose of gardening the campus particularly during the summer season, due to which the campus looks green and feels cool and the campus doesn't faces any shortage of water for gardening.

File Description	Document
Any additional information	[View Document](#)

7.1.7 Green Practices
• **Students, staff using**
a) **Bicycles**
b) **Public Transport**

c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

- **Commutation:**The institute is located at the heart of Mumbai and is very well connected to all sectors like Western, Central and Harbor part of the city by Public transport such as BUS and Railway. Majority of the staff and students uses the public transport for daily commutation. Those staying in the near vicinity of the college uses bicycle and also prefer walking thereby contributing in reducing the environmental damage.The institute has the provision of bicycle stand in the campus. The institute has taken new initiative to follow at least one day in a week as a "Carpooling Day" to curb air pollution, carbon emissions, traffic congestion on the road.The institute have also arranged Switch-off-drill for students and staff, sharp after 5 pm on 18 April 2018.
- **Plastic free campus:** The staff and students are encouraged for not using plastic.The Eco club of the college has organized seminars on the dangers of using plastic and motivated for using paper bags. The same was also demonstrated for the students by arranging street plays. Slogans for plastic free campus are also made and displayed by the Eco club of the institute.

- **Paperless office:** PVPP strives hard and work towards reducing the usage of papers that helps in the overall improvement of the college in terms of teaching learning process, administration, environmental concerns etc. MIS, EZ School, E campus software technology facility is adapted in the college where in all the faculties upload study material, update attendance of the students, daily workload, take MCQ's and exit surveys. Intranet system is also followed for updating circulars and other important data there by reducing the usage of papers and thus aids in conservation of resource. Also, the faculty students uses Posto App of E-campus technology to strengthen mentoring, taking feedback, to send SMS and email regarding attendance of students. The office is equipped with PC so by all means the data is digitized. Leaves are to be applied and sanctioned through MIS.Biometric is installed for the attendance of the staff. Because of the digitization of the data, the members of the college are finding it very easy to save the data which is more secure and has made a positive impact on teaching staffs and students wherein they are finding more time to indulge themselves in teaching and learning.
- **Green Landscaping with trees and plants:**Amidst the concrete jungle, PVPPCOE is surrounded by lush green campus and coconut lagoons. This not only helps in curbing the air pollution but also this pleasant environment is energy boost for its students and faculties. Tree plantation camp are organized in the campus where in all the students actively participate in the camp and plants many variants of trees.The campus is fenced by high standing coconut trees,Saracaasoca trees, mango trees, hibiscus etc.This year students took the initiative in immersing the Ganesh idol in water filled Pit dug in the premises during Ganesh Festival in a bid to reduce environmental damage.

File Description	Document
Any additional information	[View Document](#)

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary

component during the last five years

Response: 4.49

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
64.08	45.62	14.29	5.97905	1.32725

File Description	Document
Green audit report	[View Document](#)
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)
Any additional information	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**
7. **Special skill development for differently abled students**
8. **Any other similar facility (Specify)**

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
link to photos and videos of facilities for Divyangjan	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 2

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	01	00	00

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)
Any additional information	[View Document](#)

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 4

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	1	01	01	00

File Description	Document
Report of the event	[View Document](#)

7.1.12

15-04-2019 12:37:55

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)
Any additional information	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: No

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	[View Document](#)

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

15-04-2019 12:37:57

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	[View Document](#)

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 44

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
9	8	8	15	4

File Description	Document
List of activities conducted for promotion of universal values	[View Document](#)
Any additional information	[View Document](#)

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Great men and great ideas belong to all people and to all centuries. Increasing recognition of the essential unity of mankind has brought with it an increasing awareness of the debt we owe to those giants of the past who helped shape the civilization we share. Our college is no exception as the institute organizes programs for the celebration of birth and death anniversaries of great personalities. We do believe in the fact that at birth, a person has only potential. At the end of life, a person's accomplishment is complete. If the accomplishment made someone famous, that is what is celebrated. As the academic year begins, the first national festival that is celebrated in the college is Independence Day. The Independence Day is celebrated with fervor in the Institute on 15th August .By commemorating all those who sacrificed their lives or a part of their lives to free our country from the clutches of the British, the flag hoisting is done in the presence of the gathering of people comprising of the Management of the Institute, Principal, Chief Guest, Students, Teachers and Staff, followed by the cultural programme by the students specially the NSS unit of the college which includes songs, dances and skits that arise a true sense of patriotism in everyone. 5 th September, Teacher's Day is celebrated by the student council in the memory of Dr Sarvapalli Radhakrishnan, as a tribute to remember his contribution towards the rising India..15 th September

,Engineer's Day is also celebrated in great enthusiasm as a tribute to the first Engineer of India Sir MokshagundumVisvesvarya .The meritorious students are ceremoniously felicitated on this occasion.On the occasion of the Engineers day Mister and Miss Engineer PVPPCOE is arranged every year. NSS unit celebrates Gandhi Jayanti 2nd October by conducting cleanliness drive, tree plantation, seminars etc.Republic Day 26 th January is celebrated in the institute to remember when India's constitution came into force on January 26, 1950, completing the country's transition toward becoming an independent republic.The institute had Observed 30 th January, Death anniversary of Mahatma Gandhi as the "Save Fuel Day"a little step towards curbing the enormous pollution faced by the city.27 February Marathi Bhasha Diwas is also celebrated to honor Vishnu VamanShirwadkar, alias Kusumagraj, a noted Marathi renowned poet, play-writer, novelist, and a story-writer. Even this year PCPPCOE NSS unit has arranged many evens like Yoga day, Van Mohotsav, Guru Pornima, SwatchataPakhwada, Independence day.

File Description	Document
Any additional information	[View Document](#)

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Yes, a well defined procedure has been set in place to monitor the financial, academic administrative aspect of the institution.

Before the start of a new Financial Year, the Budget for the following year is prepared for various Departments. The Lab Budgets are worked out in consultation with the Principal and Heads of dept. The Accounts Team makes provisions for Salary and various Operating Expenses. The prospective incomes is calculated and the resources are distributed so as to have sufficient funds for major contingencies, Student related activities and technical events

This Budget is approved at the Local Managing Committee meeting. After this the Final Budget gets approved in Governing Council meeting. For the proper regulation, internal and external audit is carried out every year.

The academic transparency is thoroughly maintained. In the beginning of each semester, academic council conduct a meeting with all department's Head of the department and Head of the department conduct departmental meeting for all the faculty members. All the curricular and co-curricular activities are planned and discussed and are monitored on regular basis. Academic calendar and all academic activities like results, notices, time table, exam time table are displayed on intranet regularly.

In order to maintain ethical standards, transparency and openness, the administrative section adopts

appropriate policies for the recruitments ensuring that the vacancies are widely publicized both within and outside the institution, admission of the students for engineering programme follows the DTE regulation, achieve optimum utilization of infrastructure, resources for better output .

Auxiliary audits are done on the regular basis. The store department of the institute maintains all the records. Annual maintenance contract are done for Lifts, Air conditioners, water purifier and coolers, .They are regularly checked and maintained. The contract for housekeeping is also maintained for keeping the college and the campus clean.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practices 1

1. Title: Empowering Employability skills.

Objective: To enhance and empower quantitative and qualitative aptitude of the students for effective employability by providing proper training which is required for the placements so as to make them sound not only technically but also make a versatile personality by undersanding the needs of industries. To expose students to the recent technologies by arranging regular industry interaction meets which involves a thorough discussion and interaction with HR's of various companies.

Context: A professional course like engineering strives to get maximum number of its students placed through campus interviews The increasing competition makes it imperative that apart from a regular degree certain skills are required by engineers. Industries while advertising for various posts even mention essential skills required along with the essential qualification. Various companies involved in the Placement drives in the institute had given the feedback that despite, the student being technically sound, he should be properly trained for the skills which are required for the placements recognising the need, the student undergo internship with different industries.

Regular industry interaction meet which involved a thorough discussion and interaction with HR's of various company have helped us to understand the need of having student exposure to the recent technologies. In this context the institute has signed 17 MOU with different industries.

The practice:

As part of the TPO activities we conduct various programmes to improve the employability skills of our students. We make sure their technical skills are updated and communication and soft skills are in place.

In this regard we conducted Career Guidance Seminars, a Seminar on Improving Employability Skills, and a special initiative on Aptitude and Soft Skills Training, a Seminar on How to prepare for an Interview, a Training Programme by IMS Training on Aptitude and Soft Skills Training. In order to provide information on Overseas Education, we also conduct short-term programmes on Education AbroadIt has

been our constant endeavor to make sure our students are updated and possess all the necessary skills that make them engineers.in last couple of years we have conducted a total of 15 programmes related to improving Technical Skills, Gate Preparation, and on Overseas Education. More than 30 programme to make sure we churn out quality engineers which will benefit them in the long run. The programmes included improving Soft Skills, Technical Skills which includes sessions on Cloud Computing, Programmes to learn Python, Seminars on Cyber Security, Big Data, and Ethical hacking, and CommunicationSklills, Informing students about various examinations, like GATE, GRE, TOEFL, and IELTS. We also held Microsoft Certification Programmein order to make our students techno-friendly. PVPPCOE facilitates the process of placement of students passing out from the Institute besides collaborating with leading organizations and institutes in setting up of internship and training program of students. The office liaises with various industrial establishments, corporate houses etc which conduct campus interviews and select graduate and post-graduate students from all disciplines. The Training & Placement Office provides the infra-structural facilities to conduct group discussions, tests and interviews besides catering to other logistics. The Office interacts with many industries in the country, of which nearly 200 companies visit the campus for holding campus interviews. The industries which approach the institute come under the purview of: Core Engineering industries IT & IT enabled services Manufacturing Industries Consultancy Firms Finance Companies Management Organizations R & D laboratories.

We are happy to state that our institute is designated as the Microsoft Imagine Academy.

Overall, it is the vision of the institute that our students are a class apart and we constantly work hard to motivate our students and to make sure they make the requisite industry standards.

Evidence of success:

We feel pride and vanity in our hearts to state that PadmabhushanVasantdada Patil Pratishthan's College of Engineering had organized an all-inclusive job fair on June 15, 2016.

The total number of companies and recruiters who undertook the Mega-placement drive was 45 and total 2657 students have participated. 627 participants were placed by the recruiters and 38 PVPPCOE students received lucrative offers.

We are equally delighted to share another story which highlights why an engineering education at PVPPCOE matters is that from the academic year 2012-13, there is an exponential increase in the companies that visited for the placement drive .The maximum companies visited our campus for Placement Drives is 95 that includes the reputed ones like Cap Gemini, IGATE, Covonix, TCS, L&T Infotech, Mirraw Ariston Capital, Diebold System,protegrity,Qspiders,Zeus learning IBM Amazon, Media.net and many more. The maximum package offered extends even up to 12.5 LPA by media.net, 11 LPA by Amazon.

Majority of the recriters prefer our institute as the venue for the Pool Campus Placement Drives. The total tally of students selected through pool campus drives stood at 313.

It is also our continuing endeavor to better our services towards our ultimate customers, the aspiring engineers of PVPPCOE.

Problems encountered and resources required:

Lack of attention towards education is one of the major issues faced by the students. The student expect high package but they hardly fight for it, in the ways of their dream they ignore their education and are unwilling to study hard for it.

The tendency of Over-expectation in oneself is very high in students without analyzing their own capabilities.

Another major challenge faced by student is time constraint. The heavy academic curriculum restricts the student from undergoing rigorous training programmes which are otherwise organized for them.

BEST PRACTICE 2

1. Title: Recognition of academic excellence of students by providing financial assistance.

2. Objectives of Best Practice: To encourage meritorious students by providing scholarships to achieve highest level of scholastic excellence. To provide a financial support for the meritorious studentsat just the right time or phase of life which is boon for students belonging to the weaker sections of the society.

3) The Context: Our continuous efforts for quality enhancement at PVPPCOE, have led us to innovate and implement newer practices and also monitor the effects of these desired changes on the overall performance of the institution, especially in the last two years. one of the newer practice is providing scholarship. Scholarship is boon for students belonging to the weaker sections of the society, who are unable to pursue their education for some reason or the other. Scholarship is an incentive as well as encouragement for students, who are talented, but do not have the means to study further. The institute assists students in realizing their dreams and reaching their fullest potential.The inherent importance of a small push, at just the right time or phase of life, cannot be underestimated owing to the immense ways in which it can change the very perspectives and perceptions of students in a positive manner.

4) The Practice:

The Institute encourages meritorious students by providing scholarships and motivates them to secure top ranks at university level. This novel initiative not only provides financial support to the students but it is investment in their future that helps them imagine new possibilities today and set a course for their coming success. At the same, more than just acknowledging their achievements, the scholarships act as positive reinforcements for the students, thus giving them an incentive to perform better next time and improve themselves incrementally. This can prove to be a huge boost for the student when he/she looks for a career opportunity in the field of excellence. Every year, after the declaration of university result, the students who scored CGPI /SGPI of 8 and above 8 are ceremoniously felicitated and given concession in the tuition fees. An academically brilliant student can take the advantage of this scholarship as he/she steps in the institute. The institute provides a concession of Rs 50,000/- in the tuition fees if the admitted student in the institute secures an aggregate of more than 90% in HSC. From Second year onwards if the student secures more than CGPI of 9.5 then they get 100 % concession in tuition fees. If the student secures CGPI between 9 to 9.49 then 50% concession intuition fees and if he/she secures CGPI between 8-8.99 then 10 % concession in tuition fees.

Details of Fee Waiver Scheme Introduced in 2015.

Year	Marks	Concession in tuition fees
FE	HSC Aggregate> 90%	Rs.50,000/-
SE Onwards	CGPA	
	>9.5	100%
	9-9.49	50%
	8-8.99	10%

5) Evidences of Success:

Following are the details of students those who are benefited by the above scheme-VasantdadaPatil Shishavrutti Yojana

Sr.No.	Year	No of Students (SE, TE, BE)
1	2015-16	30
2	2016-17	63
3	2017-18	64

Every year the number of students availing scholarship is increasing and it has truly encouraged the students' .To some extent, the scheme has reduced the financial burden on the parents of academically good students and also has built a sense of competitive spirit in the students to constantly reach the academic excellence.

6 Problems Encountered and Resources required:

Since scholarship is merit based only few students can take advantage of it.

File Description	Document
Any additional information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The institute has achieved excellence in all the spheres of the activities, social responsibility is no exception. The Institution inculcates social consciousness among its students through active forums such as NSS and Eco club. Many social activities are undertaken in the institute in the societal context. It starts with the seminar on admission process and career guidance for the aspiring engineers. The institute has taken novel initative gratuitously to guide the aspiring engineers about the admission process of engineering and career counseling by arranging seminars at various venues in association with Maharashtra Times. The strong active and enthusiastic NSS unit and Ecoclub of the institute undertakes many social activities which includes blood donation, charity for underprivileged children, village adoption,

maintaining the green campus and herbal garden observing save fuel day and many more.

Blood donation: Blood donation drive is organized to spread the awareness of blood donation and create a sense of social responsibility amongst the student every year tohelp needy patients.Blood donation is a most important social service to the humankind. The Finest Gesture One Can Make Is To Save Life By Donating Blood.

Village adoption: With the motive to inculcate the sense of social responsibility and help to educate the people from the weaker section of the society, the institute so far has adopted two villages in the Thane district. The institute donated computer set to ZP School. Praudh Shikshan Abhiyan and Gram Swachchata Abhiyan was undertaken to help to educate the people of the village and understand the importance of education and cleanliness. Looking at the increasing suicide rate of the farmers, to seek the positive transformation, the institute took the initiative in organizing the seminars on the modern agriculture and Farmers suicide and solutions.

Earn and Learn Scheme:

This scheme is undertaken to develop a student as a multifaceted personality with academic excellence and a commitment to an egalitarian society. This scheme is basically undertaken for the benefit of students coming from the rural areas, who are economically backward, intelligent and meritorious but cannot afford higher education, needy and financially hard pressed.The scheme is at present being undertaken on the college campus. Under this scheme those students who are interested in joining are to fill the necessary application form, which is then scrutinized by an appropriate committee. The list of students who have been finally enrolled in the scheme is sent to Principal office, subject to the condition that the parents have been given permission to undertake the scheme. The students enrolled under the scheme are given the following types of work that increase their skills in areas of their study, office work, technical work and field work. However when the distribution of work is given it is seen that all students get equal opportunity to get all different kinds of work and that each student gets eighty percent of technical work and twenty percent of fieldwork. Office work includes working at the library or any other office of the institute. Knowledge of computers, office machines such as photocopying etc. or even working at a telephone booth, while field work includes working in the garden, looking after newly planted trees, play grounds, cleanliness of the campus etc. Each student is expected to work for two hours daily. Students working under this scheme are paid an honorarium of Rs.30 per hour as per the rate. Payment is made as per the attendance sheet, which is to be maintained by the institute.

Apart from the prescribed curriculum, the student contribution towards the society is noteworthy and remarkable. Along with the robust teaching learning process of the institute, its contribution towards society is definitely one of the distinctive features which support the institute vision and mission.

File Description	Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

- 2nd Rank in Mumbai for "Top 100 Engineering Colleges in India"
- 9th Rank in India for "Top 20 Colleges with Excellent Industry Exposure"
- "Best Engineering College of the Year" by ESTRADE Education awards, 2017
- "Best Engineering College in Mumbai" by PRAXIS Media Pvt. Ltd, 2017
- "Educational Excellence Award" by INDUS Foundation, 2017
- Recognition of academic excellence of students by providing financial assistance in the form of scholarship.
- **A part from above awards our Honorable General secretary has received folowing awards.**
- Dr.RadhaKrishna Life time achievement national award by IISER, Bangalore.
- Life time Achievement award by Estrade Education awards 2017,Singapore.
- Corporate excellence award by Lokmat Mumbai.
- **Our principal Dr.Alam .N Shaikh has received following awards**
- Young Achiever of the year Award by Praxis Media National Education Excellence,India.
- Dr.A.P.J Abdul Kalam Shikshan Ratna Award by IISER,Bangalore,India .
- Educational Leadership Award by Indo global education/Skills summit & Expo-2017 by Indus Foundation,USA.

Distinguished alumni

 Viral shah a student of the comuter Engineering 2001 pass-out had worked for UIDAI. Viral co-authored the book *Rebooting India* with Nandan Nilekani based on his experiences and research at UIDAI.

He is also a co-founder of Julia computing. The language Julia is the fastest modern open-source language for data science, machine learning and scientific computing. Julia provides the functionality, ease-of-use and intuitive syntax of R, Python, Matlab, SAS or Stata combined with the speed, capacity and performance of C, C++ or Java. Julia also provides parallel and distributed computing capabilities out of the box, and unlimited scalability with minimal effort

Young innovator award

The students of EXTC department were awarded by Young innovator award on 16 Dec 2016 for **SAMAY SANCHARAK** (Braille enabled wearable wrist watch) and cell phone for visually impaired people. The team consists of Rohit Singh, Hitarth Patel, Navnath Mane, Rahul Kapoor.

For this project the students were awarded "**Young Innovator Award**" by the Hon. Chief Minister of Maharashtra Mr. Devendra Fadanvis.

We have applied for progressive closure of Electronics Engineering Department from the Academic year 2018-19.Hence the number of admitted students in 1st year Electronics Engineering is zero.

Concluding Remarks :

The journey of PVPPCOE for last 27 years has been an enduring one with all efforts pooled into focus on nurturing the institute to achieve the status of most preferred institute. The institute realizes that excellence is seldom a result of happenstance, its more often result of planning and commitment. With the immense support and guidance from management, Principal and the relentless efforts of every member of PVPP, our institute was NBA accredited during 2012-2015.

In near future the college plans to be an institute which is technology savvy with focal point on students and stakeholders delight through faculty empowerment. Robust teaching learning process, organization of technical events under professional bodies, International Conferences, FDP, STTP, various clubs, Co-curricular and Extra-curricular activities, counseling, mentoring and many other domains are at its forefront in providing learning opportunities for the students thereby helping them to grow into a good professional. The institute inculcates social and environmental consciousness among its students through active forums such as NSS and Eco club. Many activities like Blood Donation, Village Adoption, Learn and Earn scheme, Charity for underprivileged people, Tree Plantation, and many more are undertaken in the institute in the societal and environmental context.

The institute encourages the faculty for research and development. MoUs are signed with various industries and institutions for the exposure of students to recent technologies. Regular industry interaction meet and various rigorous training programs are organized to improve the employability skills of our students.

We have paved a long way in imparting holistic education that strives to develop not only academic competence but also achieve all round excellence of our students.

We believe that applying for NAAC accreditation is a positive step towards quality implementation as per global standards.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years 1.1.2.1. **Number of certificate/diploma programs introduced year-wise during the last five years** Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>15</td><td>9</td><td>5</td><td>1</td><td>2</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>00</td><td>01</td><td>01</td><td>00</td><td>00</td></tr></table> Remark : As per the HEI data attached in the form of lists of mentors in response to the clarification on the Metric. All the programs listed b the HEI have been offered only in the year of introduction and discontinued thereafter. Work shops on Matex, AutoCAD and IOT do count as certificate/diploma program.
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>28</td><td>16</td><td>11</td><td>15</td><td>12</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>01</td><td>02</td><td>03</td><td>00</td><td>00</td></tr></table>
1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years 1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 857 Answer after DVV Verification: 220 Remark : By removing duplicacy of first year courses have by considering only once, considering

	labs not accompanied by course work. However projects (Mini+ProjI+proj II and seminars have not been considered as courses. Course Code being different does not make the lab work to be a course when there is theory in the syllabus.
1.2.3	Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years 1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years Answer before DVV Verification: {TABLE1} Answer After DVV Verification : {TABLE2} Remark : As per the HEI data attached with the Metric in response.
1.3.3	Percentage of students undertaking field projects / internships 1.3.3.1. Number of students undertaking field projects or internships Answer before DVV Verification : 486 Answer after DVV Verification: 480
1.4.1	Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise Answer before DVV Verification : A.Any 4 of the above Answer After DVV Verification: A.Any 4 of the above
1.4.2	Feedback processes of the institution may be classified as follows: Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website Answer After DVV Verification: C. Feedback collected and analysed Remark : The HEI does not have a visible working link is not uploaded on the website of the college, neither on the home page nor under academics. the only feedback form is for the website feedback. The analysis as well as the action taken report is just an eye wash. the screenshots are too faint and do not provide meaningful interpretation.
2.1.2	Average Enrollment percentage (Average of last five years)

Table 1 (Answer before DVV Verification):

2017-18	2016-17	2015-16	2014-15	2013-14
490	461	217	60	26

Table 2 (Answer After DVV Verification):

2017-18	2016-17	2015-16	2014-15	2013-14
417	301	217	60	26

2.1.2.1. Number of students admitted year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
571	0	522	395	453

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
590	0	527	398	456

2.1.2.2. Number of sanctioned seats year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
708	444	546	444	457

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
765	535	561	502	472

2.1.3	Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
188	0	176	143	148

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
278	0	225	201	182

Remark : As per the HEI input data with the Metric in response to clarification. the Number of actual students admitted from the reserved categories in a year cannot be more than the Number of seats earmarked for reserved category as per GOI/State Govt rule in that year.

2.3.2	Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

2.3.2.1. Number of teachers using ICT
Answer before DVV Verification : 91
Answer after DVV Verification: 90

2.3.3	Ratio of students to mentor for academic and stress related issues 2.3.3.1. Number of mentors Answer before DVV Verification : 90 Answer after DVV Verification: 78 Remark : As per the HEI data attached in the form of lists of mentors in response to the clarification on the Metric.
2.4.2	Average percentage of full time teachers with Ph.D. during the last five years 2.4.2.1. Number of full time teachers with Ph.D. year-wise during the last five years Answer before DVV Verification: {{TABLE1}} Answer After DVV Verification : {{TABLE2}}
2.4.4	Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years 2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years Answer before DVV Verification: {{TABLE3}} Answer After DVV Verification : {{TABLE4}}
2.4.5	Average percentage of full time teachers from other States against sanctioned posts during the last five years 2.4.5.1. Number of full time teachers from other states year-wise during the last five years Answer before DVV Verification: {{TABLE5}}

Table 1 (2.4.2.1 before):

2017-18	2016-17	2015-16	2014-15	2013-14
9	8	4	4	1

Table 2 (2.4.2.1 after):

2017-18	2016-17	2015-16	2014-15	2013-14
07	08	04	04	01

Table 3 (2.4.4.1 before):

2017-18	2016-17	2015-16	2014-15	2013-14
06	04	01	00	00

Table 4 (2.4.4.1 after):

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	00	00	00

Table 5 (2.4.5.1 before):

2017-18	2016-17	2015-16	2014-15	2013-14
7	6	5	8	5

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
7	07	5	8	5

Remark : As per the HEI data attached with the Metric during response.

3.1.1	Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3.437	2.477	2.149	0.564	0.59

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3.437	2.34	1.90	00	00

3.1.2	Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.1.2.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 67

Answer after DVV Verification: 27

3.1.2.2. Number of full time teachers worked in the institution during the last 5 years

Answer before DVV Verification : 478

3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

3.2.2.1. Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	5	5	2	5

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
05	05	02	05	05

3.3.4	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.4.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
149	33	29	30	30

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
79	63	20	20	25

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	9	16	6	4

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	00	00

Remark : What the HEI, in its response, has loaded are photographs of some trophies being presented to winners of activities. Some of the photographs have been used at multiple placed in different years. The HEI was advised that Only award by the Bombay Muncipal Corporation for Pulse Polio Drive in 2013-14 could be considered as award and recognition received for extension activities from Government /recognised bodies. However the HEI has not furnished proof of the award. All other entries are local. There is no eligible entry as award and recognition received for extension activities from Government /recognised bodies.

3.4.3	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 last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
17	9	23	16	6

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
10	07	11	09	03

Remark : The HEI was requested to attache reports of Activities conducted through NSS/ NCC/RC/YRC ONLY to be considered here. Copy of circular/brochure/ report of the initiative/ photos of the initiatives/ news report published Reports with photographs of the events signed by the principal must be attached otherwise the HEI may lose benefit of doubt. The HEI has included celebration like Engr's day, teachers day, Marathi/Hindi bhasha day, Ganeshotsava etc which are not extension and outreach Programs unless celebrated with theme of extension and outreach. However the HEI has Bakti Sandhya and Bhakti Geet in addition to activities through activities conducted through Vidya NGO Ecoclub Maharashtra Andha Shraddha Nirmulan samiti Bombay Muncipal Corporation etc. The HEI has attached reports of large number of unrelated activities or those which have been proposed and belong to different Metrics.

3.4.4	Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1118	308	947	801	242

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
568	308	159	00	47

Remark : The HEI response in the dialogue box confirms that these activities have been conducted through NSS. Vide DVV remarks the HEI was requested that NSS activities are considered in 3.4.3 and ONLY the students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc are considered with this Metric. Consequently the extension activities of Aids awareness Seminar with Street Play, Pulse Polio Drive and Peace Rally in 2013, Andha Shraddha Nirmulan Workshop Exhibition on Best Out of Waste Green Walk in 2015, Seminar on environment and Environmental issues, Mission Cleanliness and Tree Plantation Drive 2016 Cleanliness Drive and Swachhta Pakwada 2017 and Harbal Garden Tree Plantation Placards on trees based on environment awareness Skit on Environmental issues Observance of save fuel day Best out of Waste Exhibition of 2018 have

been considered. The HEI attached photographs are generic reports in most of cases the date and the number of students is not included. HEI initial data has been used for numbers. However such data mentions year and not AY.

3.5.1	Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
24	4	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
24	4	0	0	0

3.5.2	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
24	04	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
03	03	0	0	0

Remark : The HEI has included MoU's which are eligible under 3.5.1 and not 3.5.2 Activities like faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc are covered under under the MoU's which are eligible under 3.5.1. MoU's with A. P. SHAH INSTITUTE OF TECHNOLOGY Alamuri Ratnamala Institute of Engineering and Technology Karmayogi Engineering College Smt. Indira Gandhi College of Engineering Rajgad Dnyanpeeth Shri Chhatrapati Shivajiraje College of Engineering

4.1.4	Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the

last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
119	107	264	187	20

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
52.41	54	151	88.25	13.52

4.2.5	Availability of remote access to e-resources of the library Answer before DVV Verification : Yes Answer After DVV Verification: Yes
4.2.6	Percentage per day usage of library by teachers and students 4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 130 Answer after DVV Verification: 120
4.3.4	Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS) Answer before DVV Verification : Yes Answer After DVV Verification: No
5.1.3	Number of capability enhancement and development schemes – 1. For competitive examinations 2. Career counselling 3. Soft skill development 4. Remedial coaching 5. Language lab 6. Bridge courses 7. Yoga and meditation 8. Personal Counselling Answer before DVV Verification : A. 7 or more of the above Answer After DVV Verification: A. 7 or more of the above

5.1.4	Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1004	1090	771	1267	1038

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
968	1058	744	1245	1023

5.2.1	Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
99	178	281	124	90

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
99	178	281	124	90

5.2.3	Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ 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: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	6	5	5	7

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
05	03	5	04	02

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	10	20	17	25

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5	10	20	17	25

Remark : As per the HEI data attached with the Metric in response. One students clearing GATE and GRE is counted as one only. Similarly the number where the same students has cleared GRE/GMAT and TOEFL also would be one.

5.3.3	Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	7	6	8	7

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
02	02	02	01	01

Remark : The HEI was requested not include to celebrations like Teacher's Day Fusion,Ganeshotsav,Oscillation Marathi Bhasha Divas Fesa and Tantra etc as competitions in cultural and sports activities. These activities have been claimed number of times in a year and at least once a year. Only sports remains as a single entry every year. http://www.pvppcoe.ac.in/fusion%20and%20Sports.php considered. Copy of circular/brochure/ report of the initiative/ photos of the initiatives/ news report published Reports with photographs of the events signed by the principal were also requested. The HEI has again included celebration like Engr's day, teachers day, Marathi/Hindi bhasha day, Ganeshotsava etc which are not sports/cultural competitions/activities. Such Programs if celebrated as cultural promotion could have been accepted but the facts are not so. The HEI has Bakti Sandhya and Bhakti Geet etc. The HEI has attached reports of large number of unrelated activities or those which have been proposed and belong to different Metrics.

5.4.2	Alumni contribution during the last five years(INR in Lakhs)

Answer before DVV Verification : ? 5 Lakhs
Answer After DVV Verification: 1 Lakh - 3 Lakhs
Remark : As per the HEI data attached with the Metric in response.

5.4.3	Number of Alumni Association / Chapters meetings held during the last five years

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

6.2.3	Implementation of e-governance in areas of operation 1. Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5. Examination Answer before DVV Verification : A. All 5 of the above Answer After DVV Verification: A. All 5 of the above

6.3.2	Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years 6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
52	10	13	15	4

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
49	08	12	13	4

6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years 6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

85	77	48	94	34

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
04	08	02	12	01

Remark : The HEI has included 01/02 days seminars including Softskills training and Random Maze Solver or. Moodle workshop. The HEI in its data attached with the Metric in response has now included large number of local 01/02 days seminars that fall under 6.5.3. Since the seminars are local, a large number of participation in these seminars has been claimed. Certificate of participation in local 01/02 days may be there but these are not professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program.

6.4.2	Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5.12150	2.55461	1.28775	10.9245	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4.19308	2.55461	1.28775	6.41	0

Remark : As per the HEI data attached with the Metric in response.

6.5.3	Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
12	0	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
09	0	0	0	0

Remark : As per the HEI data attached. The HEI seems to have counted preparation of GATE,

	UPSC coaching, Online MCQ separately. (All are for competitive exams).
6.5.4	Quality assurance initiatives of the institution include: 1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements 2. Academic Administrative Audit (AAA) and initiation of follow up action 3. Participation in NIRF 4. ISO Certification 5. NBA or any other quality audit Answer before DVV Verification : A. Any 4 of the above Answer After DVV Verification: B. Any 3 of the above Remark : ISO and NBA (even though valid for only two years of the assessment period) had been considered. AAA as per the attached data is considered. The HEI has not provided any proof of the AQAR's neither on the website nor by attachment. The IQAC meetings minutes do not have ATR's. Did not see reference to Previous meetings actions. As per the data only 03 Quality assurance initiatives are considered.
7.1.1	Number of gender equity promotion programs organized by the institution during the last five years 7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years Answer before DVV Verification: 	2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
4	3	4	4	3 | Answer After DVV Verification : | 2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
03	02	03	02	02	 Remark : The HEI has provided mixed up data claiming multiple dates for a single event. the reports are not by AY's thus contributing to higher number in HEI count. Eg Time management and Stress release have date 15-X-14 and 12-3-15 and also 19-9-15 in 2014-15. Firstly these are for all living beings and then not specific to gender equity promotion. In the AY 2015-16 there are activities on 20-x-15, 08-03-16 and 22-03-16. There is no report of activities of 08 March 16. The HEI has not attached any photographs of any related activity, only text reports have been attached.

7.1.8	Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
14.8766	8.70862	2.10000	5.97905	1.32725

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
64.08	45.62	14.29	5.97905	1.32725

7.1.9	Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : A. 7 and more of the above
Answer After DVV Verification: A. 7 and more of the above

7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	7	5	1	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	01	00	00

Remark : The HEI has established Facility Centre for state in 2016-17 and taken initiative for conduct of CET for Maharshtra state in 2015-16. CET 2017-18 is not an initiative but in continuance of the earlier initiative.

7.1.11	Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	2	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	1	01	01	00

Remark : The HEI has not provided reports for all the claimed activities related to initiatives taken to engage with and contribute to local community year-wise. Seminars in the seminars hall on road safety may make the roads safe and are considered. Activities related to CIT also considered. The HEI has included activitiy of 05 June 2013 which is part of 2012-13 and not the current assessment period. DVV corrected input as per the HEI reported data.

7.1.15	The institution offers a course on Human Values and professional ethics Answer before DVV Verification : Yes Answer After DVV Verification: No
7.1.16	The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years 7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	8	8	15	4

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
9	8	8	15	4

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 857 Answer after DVV Verification : 451
2.2	Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>298</td><td>175</td><td>226</td><td>175</td><td>175</td></tr></table> Answer After DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>298</td><td>210</td><td>226</td><td>197</td><td>181</td></tr></table>
2.3	Number of outgoing / final year students year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>417</td><td>413</td><td>420</td><td>436</td><td>281</td></tr></table> Answer After DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>434</td><td>442</td><td>443</td><td>461</td><td>305</td></tr></table>
3.1	Number of full time teachers year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>95</td><td>99</td><td>97</td><td>99</td><td>88</td></tr></table> Answer After DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>95</td><td>99</td><td>97</td><td>99</td><td>88</td></tr></table>
3.2	Number of sanctioned posts year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>96</td><td>120</td><td>121</td><td>122</td><td>102</td></tr></table>

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
96	120	121	122	102