SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

PARVATIBAI GENBA MOZE COLLEGE OF ENGINEERING, WAGHOLI, PUNE

NEW GAT NO. 1178 (OLD GAT NO. 2181), BAIF ROAD, WAGHOLI, PUNE 412207

www.pgmcoepune.com

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Parvatibai Genba Moze College of Engineering is a self financing institution affiliated to the Savitribai Phule Pune University and located at Wagholi on the rapidly growing area in Pune-412207, Maharashtra, was established in year 2006 under the visionary leadership of Hon. Shri Rambhau Moze President, GENBA SOPANRAO MOZE TRUST in the loving memory of Mother. The institute was established with an objective of providing technological learning to the rural students with consideration of industry and current market demands.

The institute runs Undergraduate Courses like Computer Engineering, Information Technology, Electronics & Telecommunication Engineering, Civil Engineering and Mechanical Engineering, approved by All India Council for Technical Education (AICTE), Directorate of Technical Education (DTE), and Government of Maharashtra.

The institute has been imparting quality technical education to the inspiring students and emphasizes on excellence in technical education.The rapid growth and industrialization has put an immense pressure on technical traininginstitutions to mould out professionally competent young engineers to cater for the needs of theindustry. The institutededicated itself to the cause of technical education forfulfilling the aspirations of the upcoming generations and the ever increasing needs of theindustry. The institute inculcates the value of hard work and meticulousness amongst its students and faculty enabling them to overcome obstacles in the voyage of their upcoming lives with pride and self-confidence.

Vision

Encourage Technocrats to Create Better Future

Mission

To attain high valued technological teaching through:

·   Student-centric teaching-learning practices

·   Awareness of ethical responsibilities and to serve humanity to their paramount skill

·   Driving activities pertinent to the requirements of the Industries & Society

·   Strengthening the Educational Social Responsibilities through dynamic support of management

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Strong academic results with consistency in addition to one **Gold Medal**
- Strong industry linkage considering student placement, Internship,Field visit due toavailable **IT and Automobile HUBS** like EON IT Park Kharadi, Hadapsar and Ranjangaon MIDC
- Student centric practices with the help of **Guardian Faculty Member** mentoring
- Ease of approach and transport for student and facultydue to **Pune-Ahmednagar Highway** touch location
- Curriculum enhancement through **Value Added Courses**, contents beyond syllabus
- Young and Dynamic faculty, **Team work** within them
- State of art **infrastructure** facility with disciplined and pleasant campus climate, playground

Institutional Weakness

- More exposure needed in research and development area
- Funding/financial support from Government and Non-Government organizations
- Less faculties with Ph. D.qualification
- Alumni association formation in the past was not initiated

Institutional Opportunity

- Consultancy development
- Inter college communication
- Attract meritorious student to improve results
- Encourage more faculty for Doctoral course
- More industry projects and interaction with outside world

Institutional Challenge

- Generation of more avenue of funding through research projects and consultancy
- Cope up with the current competition in engineering education in the area
- Regional competition among the institutes
- Rigidity of academic formation & curriculum

The SWOC analysis is conducted considering the role of all stakeholders to reach the Vision of the Institute "Encourage Technocrats to Create Better Future".

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Parvatibai Genba Moze College of Engineering is a self-financing institution affiliated to the Savitribai Phule Pune University. The Vision and Mission of the institute are communicated to all the stakeholders through various media. Affiliating University revised syllabus periodically in which faculties of the institute actively participate. The University designs curriculum by conducting syllabus revision workshops through Board of Studies where faculties from the institute participate. The faculty is given a very conducive environment to

enhance their academic qualification and results in skills. They are encouraged and financially supported to participate in Seminars, Workshops, Lectures, and Training to enhance their knowledge and skills to improve the Teaching-Learning process. Academic flexibility and bridging the gap between curriculum and industry is achieved by conducting workshops, seminars, and signing Memorandum of Understanding with leading industries.

The Institute adheres to the syllabus requirement and teaching plan as per SPPU. In addition to this, Seminars, Workshops, Experts Lectures and Industrial Visits are also organized to help students get an insight of the current trends and practices in the industry. Value added courses like Soft Skills and Aptitude Classes are also conducted in order to achieve holistic development of the students and inculcate professionalism in them.

Teaching-learning and Evaluation

The institute gets students admitted for different programs through the Centralized Admission Process (CAP) conducted by the competent authority of State Government of Maharashtra. The admission process ensures inclusion of students from all categories through social reservations defined by State Government of Maharashtra.

The teaching-learning process is developed to ensure effective delivery of all contents in curricula prescribed by SPPU with the help of video and audio lectures and bridging the curriculum gaps through covering necessary contents beyond the curriculum. The institute has Academic Monitoring formats to monitor the teaching-learning process. It contains an academic calendar of the institute, reflects University's academic calendar that includes curricular, co-curricular, extracurricular activities.

The institute has maintained the required infrastructure and facilities for effective teaching-learning and self-development of students. The institute maintains the academic environment, focuses on overall development of faculty by conducting supportive courses and workshops and including the faculty for different Faculty Development Programs (FDPs), Short Term Training Programs, workshops *etc.*

Research, Innovations and Extension

The Research and Innovation activity of the institute is started with the mission to create pioneering thinkers with an objective to solve problems of society using the principles of science, research, and technology. The R&I activity is focused to promote research activities among the institute and dedicated to providing guidelines and training using revolutionary approaches to the faculties and students. The institute focused on developing the leadership/entrepreneurship potential of the youth through professional learning, volunteering experience, and creative practices.

Research activity is providing valuable inputs to the students and faculties. The institute has started the Incubation Centre for the young entrepreneur. Workshops and seminars are conducted frequently on Intellectual Property Rights (IPR) and Industry-Academia Innovative. The institution has strong support and also provided incentives to those teachers who have received state, national and international recognition and awards. Institute insists faculties for submission of research papers in national and international Journals and conferences.

The institute has an active NSS unit and departmental student associations. Numerous of the activities have been organized in near past, such as tree plantations, adoption of the village, having a residential camp for building a rapport.

Infrastructure and Learning Resources

The institute aims at imparting not only good quality education but also encourages students for their excellent performance in curricular, co-curricular and extracurricular activities. The college campus has sufficient space for all academic, administrative, co-curricular and extra-curricular activities thereby satisfying the norms of regulating bodies and functional needs. Every department of the institute is well equipped with independent classrooms, laboratories, tutorial rooms, workshop, seminar halls etc. All the classrooms and most of the laboratories are equipped with multimedia teaching aids. Our central library of the institute provides reference books, textbooks, rare books and e-learning resources. Wi-Fi with high capacity is installed and utilized for students so that they can have concurrent access with sufficient speed. Leased Line of 77 MBPS is available in the institute.

. High-end equipments are available for student projects and research. Library is having rich books and journal collection, fulfills the academic resources needs of the students as well as faculty members. Library orientation programs and other schemes have resulted in good library usage. All the other supporting facilities such as playground and dispensary are in place.

Student Support and Progression

The institute facilitates all the scholarships offered by the State and Central Government. All the eligible students admitted in the reserved category are receiving financial assistance from State Government. Every department organizes expert lectures conducted by industrialists and experienced professionals to develop entrepreneurial skills among the students.

The institute motivates the students to appear for GATE and other related examination for PG programs in India and abroad. This number is continuously increasing for the last few years. The active Training and Placement cell providesthe institute level training and placement officer who co-ordinates with various department level faculty coordinators for its activities. The institute has a Student Grievance Redressal Cell. The Alumni association contributes actively to the growth of the institution through the alumni association.

The institute is part of annual cultural meet of students "TARANG". It is also a part of annual technical meet of students "Technomeet", which showcase the technical skills of students. In addition, students are encouraged to participate in various national and international level events in cultural, sports and technical activities. Several students from the institute received laurels by winning the events in all these activities.

Governance, Leadership and Management

The Vision of the Institute is to achieve excellence in technical education and to achieve this; the Mission of the institute is well articulated. The departments, in turn, have formulated their Vision and Mission in tune with that of the institute. Based on the Vision and Mission of the institute and inputs from various stakeholders, the Quality Policy is drafted. The Governing Body and Local Management Committee give general guidelines for

appropriate governance to realize the Vision.

The institute have its strong Perspective plan for Development by considering its Vision and Mission like enhancement in infrastructure and amenities, Excellent academic growth by achieving 100% results in maximum subjects, fulfilment of admission, Retaining Good number of Ph. D. holders, Faculty development by enhancing research and innovations, Collaborations with institutes of repute nationally and internationally.

Principal, Deans and Heads of the Departments have ample independence in academic and administrative decision making. IQAC cell examines and appraise all mechanisms of academic and administrative processes and make certain that quality is promoted and sustained at every level. Quality upgrading strategies are planned to take into consideration the feedback of all the stakeholders and implemented in a clear and useful manner.

Institutional Values and Best Practices

The institute has promoted the gender equity by conducting the awareness programs for the women's. The college campus is provided the facilities for women's such as safety & security, counseling, medical and common room etc. The institute has taken the initiatives to make the campus eco-friendly through various efforts such as Trees Plantation, Water harvesting, Energy conservation.

The institute has made the provision for differently abled (Divyangjan) friendliness facilities such as Wheelchairs, ramps, restrooms etc. And also maintain the complete transparency in financial, academic, administrative & auxiliary functions.

The institute has adopted different innovative practices such as counseling the students, monitoring their academic performance, online feedback of students, aptitude test for final year students, and use of WhatsApp for faster communication, and Enterprise Resource Planning (ERP) for record keeping.

The college has adopted certain Best Practices like "Aptitude training to Students" and "Concession in fees for students" which will help the institute to enhance the performance of the students and creation of entrepreneur.

The institute also supports the students to participate every year in BAJA SAE which is an intercollegiate design competition run by the Society of Automotive Engineers (SAE).

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	Parvatibai Genba Moze College of Engineering, Wagholi, Pune
Address	New GAT No. 1178 (Old GAT No. 2181), Baif Road, Wagholi, Pune
City	PUNE
State	Maharashtra
Pin	412207
Website	www.pgmcoepune.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	NAVNATH SARJERAO NARAWADE	020-27050937	9922252889	020-27050994	principal@pgmcoepune.com
IQAC Coordinator	Vijay Omprakash Rathi	020-26687000	9823440407	-	vijay.o.rathi@gmail.com

Status of the Institution	
Institution Status	Private

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	01-01-2006

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Maharashtra	Savitribai Phule Pune University	[View Document](#)

Details of UGC recognition	
Under Section	**Date**
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](#)	10-04-2017	12	Approved for one academic year

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	New GAT No. 1178 (Old GAT No. 2181), Baif Road, Wagholi, Pune	Rural	10	14357.2

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,Computer Engineering	48	HSC	English	240	76
UG	BE,Information Technology	48	HSC	English	240	23
UG	BE,Mechanical Engineering	48	HSC	English	480	288
UG	BE,Civil Engineering	48	HSC	English	480	322
UG	BE,Electronics And Telecommunication Engineering	48	HSC	English	240	25

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				10				21				62
Recruited	1	1	0	2	0	0	0	0	43	19	0	62
Yet to Recruit				8				21				0
Sanctioned by the Management/Society or Other Authorized Bodies				8				21				18
Recruited	1	0	0	1	0	0	0	0	5	13	0	18
Yet to Recruit				7				21				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				45
Recruited	38	7	0	45
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				9
Recruited	8	1	0	9
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.	2	1	0	0	0	0	0	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	48	32	0	80

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**
	11	4	0	15

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	261	3	0	0	264
	Female	61	2	0	0	63
	Others	0	0	0	0	0

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	16	0	33	39
	Female	2	0	12	5
	Others	0	0	0	0
ST	Male	0	0	0	4
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	30	0	84	104
	Female	3	0	12	3
	Others	0	0	0	0
General	Male	151	0	128	206
	Female	13	0	23	30
	Others	0	0	0	0
Others	Male	19	0	83	89
	Female	5	0	6	6
	Others	0	0	0	0
Total		239	0	381	486

3. Extended Profile

3.1 Programme

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

Response : 476

Number of self-financed Programmes offered by college

Response : 5

Number of new programmes introduced in the college during the last five years

Response : 0

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
761	1096	1411	1623	1191

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

2016-17	2015-16	2014-15	2013-14	2012-13
428	240	441	420	373

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

2016-17	2015-16	2014-15	2013-14	2012-13
409	468	364	379	271

Total number of outgoing / final year students

Response : 1891

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
122	140	120	100	100

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

2016-17	2015-16	2014-15	2013-14	2012-13
122	140	120	100	100

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
140	140	132	120	104

Total experience of full-time teachers

Response : 301

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

Response : 261

3.4 Institution

Total number of classrooms and seminar halls

Response : 29

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

2016-17	2015-16	2014-15	2013-14	2012-13
277.44686	468.38747	459.26518	538.78780	472.64096

Number of computers

Response : 595

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.8592

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.3644

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:

The institute is affiliated to the Savitribai Phule Pune University and follows curriculum prescribed by the university. At the start of every academic year, the affiliating university gives a tentative calendar about start and end of the semester, holidays, practical / oral examination dates and end semester examination. The Institution meticulously develops action plans for the effective implementation of the curriculum as per university norm. Principal initiate to develop strategies for effective implementation of the curriculum to the various department heads. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, Assignments, discussions, workshops, seminars, industrial visits, apart from regular/traditional chalk & talk methods.

The detailed process is as given below:

- By taking university calendar as an input, Principal and Head of Departments (HODs) discuss and prepare the academic calendar for the institute which includes Unit test, Preliminary test and internal assessment strategies in accordance with the university schedules.
- Each student is provided with a copy of the curriculum through notice board.
- Allocation of the subject by head of department to the faculty is done taking into consideration, the faculty qualification, subject specialization, experience and their willingness.
- Teaching plans are prepared by individual subject teachers. The academic schedule is strictly followed and reviewed by IQAC periodically as per university schedule.
- Detailed course files are prepared by the faculty which includes comprehensive class notes, teaching materials and OHP transparencies, PPT slides.
- The progress of syllabus coverage and student attendance is monitored periodically by the HOD.
- In addition to the curriculum, exposure about the latest developments and trends in their respective fields are given by arranging guest lectures, industry expert sessions and industrial/field visits etc.
- Periodical feedback is obtained from the students on aspects of teaching-learning.
- Class teachers meetings are held by the head of the departments to review the teaching-learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary.

Standard evaluation methods are followed by all the staff members of all the departments uniformly while allowing individual innovations.

Every faculty maintains course file which covers:

- College Academic Calendar
- Departmental Academic Calendar

- Master Time Table
- Individual Time Table
- Teaching Plan
- Student Attendance Sheet
- Lab Plan
- Lab Progress Report
- Solved Question Paper
- Assignments

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

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

Response: 3

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	2	0

File Description	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: 24.67

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

2016-17	2015-16	2014-15	2013-14	2012-13
52	64	18	11	9

File Description	Document
Any additional information	[View Document](#)
Details of participation of teachers in various bodies	[View Document](#)

1.2 Academic Flexibility

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

Response: 16.39

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

Response: 78

File Description	Document
Details of the new courses introduced	[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: 5

File Description	Document
Any additional information	[View Document](#)
Name of the programs in which CBCS is implemented	[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: 38.25

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

2016-17	2015-16	2014-15	2013-14	2012-13
493	463	564	480	175

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 cross-cutting issues like Gender, Environment and Sustainability, Human Values and Professional ethics etc., find an ample space when it comes to applying them positively to the curriculum. The college at its own level with the support from various organizations, to make arrangements for the guest lecture, seminars and conferences. The experts from above-mentioned fields are invited to share and delivered their experiences and knowledge. The college regularly organizes seminars on Women Empowerment. The efforts made by the institution to integrate the cross-cutting issues such as Gender, Environment and Sustainability, Human values and Professional ethics etc. into the curriculum are as follows :

Initiative taken by the Institution towards:	Activities
Gender	Equity within girls and boys students is well maintained by providing them a common dress code (White Shirt & Navy blue pant). The facilities like mess, Wi-Fi, Internet, library, and event participation are given in accordance to equity within them. For the promotion of gender equity, the institute organizes various programs.
Environment and sustainability	Rain water harvesting system, Solar Power systems are in place in the campus. Counting of trees, bushes and shrubs are conducted by student to motivate the awareness of nature. Annual green audit of the campus is conducted. Tree plantation program is conducted in campus. Paper less day for all academic and administrative work is observed once in a semester.
Human Rights	The institute is in place and equipped with barrier free environment, ragging free environment and woman anti-harassment committee, grievance redressal cell, staff welfare committee are always monitor the issues related to human right. Institute also arranges special lectures and seminars to create awareness on these issues.
ICT	All faculty rooms are equipped with desktop computers, furniture, Pin boards etc. Campus is Wi-Fi enabled. All classrooms are equipped with LCD projection systems, LCD Screens, USB Ports, for laptop connectivity, Audio systems. These facilities enhance lecture delivery and effective communication. Apart from these, all seminar halls are well equipped with smart interactive boards and lecture capturing system.

File Description	Document
Any Additional Inormation	[View Document](#)

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

Response: 38

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

Response: 38

File Description	Document
Any additional information	[View Document](#)
Details of the value-added courses imparting transferable and life skills	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 30.93

1.3.3.1 Number of students undertaking field projects or internships

Response: 227

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

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 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
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
Any additional information	View 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: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

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

Response: 0.17

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	1	1	4

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

2.1.2 Average Enrolment percentage (Average of last five years)

Response: 33.16

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

2016-17	2015-16	2014-15	2013-14	2012-13
239	0	380	486	418

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

2016-17	2015-16	2014-15	2013-14	2012-13
996	480	930	941	848

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: 41.84

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

2016-17	2015-16	2014-15	2013-14	2012-13
82	0	248	268	261

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:

1.   At the entry level, Institute conducts a test to identify slow learner and advanced learner and accordingly students are divided into separate divisions.

2.   For assessment of an advanced learner, an adequate process of conduction and evaluation process in the form of an online exam and in semester exam.

3.   For higher classes, Motivational lectures/seminar sessions, Value Addition Programs for Advanced Learners.

4.   Additional E-library facility in the form of E-LIBRARY is available at the central library for advanced learner student.

5.   For slow learner students, the activity like remedial lectures and counseling through GFM and subject teacher.

6.   Provision of learning material like NPTEL videos / Lectures, PPT, animations, Specially developed question banks and assignments are provided as per the curriculum are available in the campus through the intranet.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 8.44

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

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. The teaching-learning method adopted in the institute in the form of Video clips, snapshots, power point presentation slides for practicals and theory contents.
2. Various MOUs with industries to boost practical hands-on and projects.
3. Mock viva is conducted in addition of final viva for the improvement in technical know-how.
4. Frequent Industry Visits are carried out for industries operation exposure to students.
5. Assignments.
6. Final year project is yet another platform available to students for collaborative and interactive learning.
7. 'Techno-Meet' is organized by students of PGMOZE under the technical guidance of faculty.
8. NPTEL
9. Project Competition

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

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

Response: 82.76

2.3.2.1 Number of teachers using ICT

Response: 72

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: 10.19

2.3.3.1 Number of mentors

Response: 72

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	[View Document](#)
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

1.   Debate on the particular topic by student participation within the lecture.

2.   Quiz competition on various topics within curriculum topics in lectures/practicals about the field application.

3.   Organization of National and International conferences in the institute.

4.   The project, mini project competitions held at department level with the participation of junior students.

5.   Technical events for the students is conducted every year

6.   Eminent personalities from industries for guest lecturers are invited to share their field/ practical knowledge with student /faculty.

7.   Mechanical engineering students participate in BAJA competition every year.

8.   Department level MODEL MAKING competition is conducted every year by the civil engineering department.

File Description	Document
Any additional information	[View Document]

2.4 Teacher Profile and Quality

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

Response: 91.51

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: 3.33

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	5	4	3	1

File Description	Document
Any additional information	[View Document](#)
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)

2.4.3 Teaching experience of full time teachers in number of years

Response: 3.46

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	[View Document](#)

2.4.4 Average 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: 5.44

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

2016-17	2015-16	2014-15	2013-14	2012-13
14	5	5	4	4

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: 10.74

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

2016-17	2015-16	2014-15	2013-14	2012-13
28	25	14	4	2

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:

Reforms in Continuous Internal Evaluation (CIE) system at the institute level are covered as follows-

The regulations, curricula, and syllabi of all the programs offered by the institute are available in the institute library and respective department, on the affiliated University websites as well as on institute's website. The regulations contain the details of the evaluation process. The academic calendar and examination schedule are brought to the notice of teachers as well as students by displaying it on notice boards and institute websites. Marks obtained by the student in ISE and ICA for all the courses are displayed on departmental notice boards and communicated to parents by telephone and post. Following systematic approach institute follow for CIE:-

1. Internal class tests. (Prior to university midterm exam)

2. Mock oral and practical examinations

3. Preliminary theory examination

4. Midterm assessment process

5. Periodical mini and major project evaluation

6. Term work evaluation of students is based on continuous assessment.

File Description	Document
Any additional information	View Document

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

Response:

1. The attendance record of each student in theory and practical is maintained and displayed on notice board at the end of the month.
2. Timely submission of assignments and performance in tests.

3. Students can apply for revaluation of answer papers for challenge and modification in assessments in university after consulting with concerned faculty members.
4. Effective implementation of evaluation reforms initiated by the institute are ensured by the heads of the respective departments by making faculty, staff and students aware of the reform and monitoring their implementation rigorously (an academic format which is used for monitoring.)
5. Display of TW marks of a student on departmental notice board. and the same is conveyed to parents through the land mail.
6. Unit Test and Preliminary exam paper checked and the marks are displayed.
7. The performances and progress of student are conveyed to parents through the land mail.

File Description	Document
Any additional information	View Document

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

Response:

Process for grievances redressal at Institute level -

1. Students are made aware of the assessment methods at the beginning of the semester and whenever necessary.
2. The assessed answer sheets of internal tests are given to the students and performance is discussed by the course faculty.
3. Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective faculty members.
4. Students can approach the Head of the Department, in case of any Grievances.
5. Display the TW marks and grievances by the students are solved according to rules of the university norms.

Process for grievances redresal at University level:

1. The students can apply for photocopy of answer sheet to the university exam cell. The photocopy is reviewed by subject teacher and accordingly student can challenge to revolve discuss the grievances and seek advice. As per the advice, student can apply for revaluation of answer books to the controller of examination of university as per the procedures of the University.
2. After revaluation of marks for particular subject at the University level, results are communicated to the Institute and students.

File Description	Document
Any additional information	View Document

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

Response:

For the conduct of CIE, the institute follows following practice in accordance with university:

1. At the beginning of each academic year, the affiliating university gives guidelines about the dates of –

   - Commencement of the semester,
   - End of the semester
   - Schedule of In Semester, End Semester, Online Examinations
   - Schedule of Oral, Practical Examinations
   - Vacation schedule

All academic processes are carried out as laid down in the college academic calendar and monitored through academic format. Dean Academics prepares institute academic calendar in consultation with the Principal. It is then distributed to the departments. Time Table coordinator of each department prepares Department Academic Calendar in consultation with Head of the Department. Syllabus is entered in ERP by Course Coordinators. Considering the academic calendar, teaching plan of each course is prepared by course teachers in academic formats. The implementation of the syllabus is discussed in detail by Course coordinator with course teachers of the department. During the semester, implementation of the Lectures and Practical is mention in academic format by respective course teachers. Lecture Planning and implementation is regularly monitored by Head and Dean Academics through verifying the academic format. The evaluation of students is done through,

   - Theory – In semester, End Semester examinations online examinations, unit test, prelim exam
   - Oral /Practical examinations
   - The details of these examinations are announced well in advance and the external examiners are appointed by the affiliating university. The entire planning and organizing of lecture and practical schedule is done through academic format.

1. Dean academic prepare the academic calendar
2. Each Department prepares academic calendar as per the strategy decided in the HOD Principal meeting.

Departments prepare their plans for workshops, guest lectures and various events.

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

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:

Course outcomes, Program Outcomes are normally given by university and same is available in student syllabus copy, same is displayed on notice board and institute website. In case if it is not given, the respective subject teacher prepares it and communicate in the same manner. Program Specific outcomes are specially designed.

Example of Program Outcome, Course outcome Second Year Computer Engineering of Discrete Mathematics

Program Outcomes

Students are expected to know and be able –

1. To apply knowledge of mathematics, science, engineering fundamentals, problem-solving skills, algorithmic analysis to solve complex engineering problems.

2. To analyze the problem by finding its domain and applying domain-specific skills

3. To understand the design issues of the product/software and develop effective solutions with appropriate consideration of public health and safety, cultural, societal, and environmental issues.

4. To find solutions for complex problems by conducting investigations applying suitable techniques.

5. To adapt the usage of modern tools and recent software.

6. To contribute towards the society by understanding the impact of Engineering on a global aspect.

7. To understand environmental issues and design a sustainable system.

8. To understand and follow professional ethics.

9. To function effectively as an individual and a member or leader in diverse teams and interdisciplinary settings.

10. To demonstrate effective communication at various levels.

11. To apply the knowledge of Computer Engineering for development of projects, and its finance and management.

12. To keep in touch with current technologies and inculcate the practices of lifelong learning

Course Objective	Course outcome
1. To use appropriate set, function and relation models to understand practical	On completion of the course, student will be able to–

examples, and interpret the associated operations and terminologies in context.

2. Determine the number of logical possibilities of events.

3. Learn logic and proof techniques to expand mathematical maturity.

4. Formulate problems precisely, solve the problems, apply formal proof techniques, and explain the reasoning clearly.

1. Solve real-world problems logically using appropriate set, function, and relation models and interpret the associated operations and terminologies in context.

2. Analyze and synthesize the real world problems using discrete mathematics.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

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

Response:

Attainment of program outcomes, program specific outcomes and course outcomes

PROGRAM OUTCOMES

The institute follows an outcome based approach in the teaching-learning and evaluation processes. The institute ensures the quality in curriculum delivery with well- defined Course Outcomes (CO). Tools used for CO assessment are listed below:

- Internal sessional examination
- Mid semester examination
- Student feedback system
- External examination

The methods followed to ensure the achievement of stated objectives are:

- Internal test, Practical session and viva-voce are conducted to monitor the CO.
- If the said objectives are not being achieved; the department plans for a remedial action and strategies are devised to cover up the gaps, if any; in the delivery of the curriculum to ensure that it

enables the institute to achieve the stated objectives of the curriculum.
* Unit tests are conducted in each semester for each subject. Test question paper patterns and assignments for each subject are suitably framed and marks are awarded. Laboratory work/Tutorials / Practical are planned in line with the theory, objectives and outcome of the subject.
* Every practical is evaluated after completion of experiment.
* Faculties attend appropriate FDP organized within and outside the institute to become

PROGRAM SPECIFIC OUTCOMES

(Program wise –Department wise)

COURSE OUTCOMES

The institution has a clearly defined process to monitor and to ensure the achievement of the learning outcomes. The learning outcomes are defined and measured at level of course outcome (CO). The achievement of course outcomes is evaluated by various methods such as unit tests, University Examinations, assignments, practical assessment, tutorials, and seminars, minor and major projects.

* To ensure the achievement of learning outcomes, institute focuses on planning and effective execution of teaching learning process. The academic calendar is designed in the beginning of the semester has a detailed schedule of all teaching learning activities, along with this, every subject teacher prepares faculty activity calendar.
* The institute ensures the achievement of learning outcomes through effective implementation of academic calendar.
* At institute level, IQAC looks after the achievements and gaps of learning outcomes and other quality parameters of teaching-learning process. IQAC also takes care of other academic support processes.
* Student placement through in campus & off campus interviews and number of students pursing higher studies indicates the achievement of learning outcome.
* Teaching learning process is continuously monitored and immediate remedial measures are taken to overcome problems.
* Every course teacher defines learning objectives in conformity with course outcomes. Course teacher aligns their teaching method to ensure that student acquires the skill expected out of learning objective either in classroom or practical or tutorial or assignment or minor / major project.
* During the semester, teacher does the evaluation of student performance by using various direct assessment tool like oral / practical performance, assignments, sessional examinations, etc and indirect tools like course exit survey.
* Results of formative and summative assessment are the major indicators used by the respective course teachers for evaluating student performance.

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

2.6.3 Average pass percentage of Students
Response: 88.91

2.6.3.1 Total number of final year students who passed the university examination
Response: 1611

2.6.3.2 Total number of final year students who appeared for the examination
Response: 1812

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process
Response:

File Description	**Document**
Database of all currently enrolled students	[View Document](#)

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

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the government/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)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.01

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

Response: 2

File Description	Document
List of research projects and funding details	[View Document](#)
Supporting document from Funding Agency	[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:

Parvatibai Genba Moze College of Engineering has set up an Incubation Centre to provide an ambiance for promoting Entrepreneurship among the students and enable the budding entrepreneurs to launch their ideas

successfully. Incubation Center and Entrepreneurship Development Unit (IC & EDU) have ample space provided with modern infrastructure for to implement their innovative ideas. IC & EDU initiative helps innovative entrepreneurs build their businesses around the smarter planet to reap market opportunity. It is an initiative by our institute to inculcate the culture of research, innovation, and entrepreneurship among the students and a platform for the promising entrepreneurs to accomplish their dream ventures. This IC & EDU promotes to incubate new product development and promote new entrepreneurs wherein the students of our institute would have full exposure to understand the process-cycle of the starting-up new company. Students get benefit from the ongoing projects of new entrepreneurs by the way of joining them as project-interns as well as full-time employees.

The incubation center has great ambiance along with good modern infrastructure. The students get guidance from industry experts; connect with successful students-turned-entrepreneurs. The college provides office space for an academic year at its premises and gives domain-specific development programs with institutional support. The hub is open to everyone with innovative ideas and we protect the innovator's intellectual property rights. The center has in place a support team experienced in entrepreneurship, product development and expert professionals from diverse industries. The incubation center has quadruple work-stations with sufficient internet bandwidth, Printer, Projector along with uninterrupted power supply backup as well as other support/resources required with the consent of management.

Key highlights

- Physical Infrastructure
- Fully furnished offices like environment
- Personal computers, Printers with high-speed internet connectivity
- Telecom facilities
- Internet connectivity

Shared Resources

- Meeting and conference rooms equipped with projectors & audio/video conferencing facilities
- High-end photocopying, scanning machines
- Canteen facilities
- Laboratory facilities, access to institute laboratories.

Incubation center is established with the motive of providing a platform for students to Connect with mentors and opportunities through conducting workshops, seminars, and interactive sessions and implement it in their last year engineering project work. Connect with successful students- turned-entrepreneurs and get information about Government and Non-Government initiatives about academics industry collaborations. Get opportunities to work on live projects with the help of industry experts. The Incubation center is aimed at transforming the students with vibrant ideas into young entrepreneurs. Institute support the ideas of the students and help them to nourish those ideas into effective action plans. Institute help them during the process and provide them with the required support at any point in time.

Thrust Area of Incubation Centre is to help the students to undertake their Project work in the field of:

- Mobile and Information Technology

- Internet of things
- E-commerce
- Electronics design and VLSI design
- CAD/CAM Applications
- Software-based Simulation and Optimization
- Embedded System
- Any incubation activity has no limitation on any technical domain.

File Description	Document
Link for 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: 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Report of the event	[View 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
List of Awardees and Award details	
e- copies of the letters of awards	

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

Response: 0.26

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

2016-17	2015-16	2014-15	2013-14	2012-13
33	43	39	20	18

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

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: 0.12

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

2016-17	2015-16	2014-15	2013-14	2012-13
25	17	15	10	5

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

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:

- The idea of the institute is to produce not only good engineers but also good human beings. Therefore, the institute takes efforts to add values of good citizenship in its students. The institute has an active NSS unit with 100 students and departmental student associations. Students participate in various activities in neighborhood initiated by the institute with a vision to find the solutions for the social issues.
- To develop social responsibility, the institute has established NSS unit in 2016-17 under the affiliating University, has adopted Arangoan Dumala, a village in the Shirur area, since 2016. A 10-day residential camp is arranged in this village every year in which almost 60 students (both boys and girls) participate. It has helped in building a rapport with the villagers and an understanding of their problems.
- 100 trees have been planted till now and all plants have survived due to the water management system developed by students despite the constraints of a rigorous academic schedule.
- Blood donation camps are held every year with participation from almost 400 volunteers. From last four years' blood donation camps organized by Institution.
- The institute follows social welfare scheme initiated and governed by Savitribai Phule Pune University. The economically and socially weaker students work under this scheme. These students have involved in social activities apart from their regular work. The track of their involvement is kept by Social Welfare Officer (SWO).

- Swami Vivekanand study club
- Birju Maharaj Dance and Drama Club
- Anna Hajare Social Activity Club
- Foreign Language Club
- E- Magazine Club
- Career Guidance Club
- Great Bhet Club
- Entrepreneurship Club

The Institute frequently initiates social awareness program for the surrounding society for the issue related to environment and safety. The programs are listed below:-

- **SAY NO PLASTIC**

The students are encouraged and visited the nearby society and displayed poster related to the disadvantages of using plastic with its ill-effects on human and animal due to its disposal issue.

- **ROAD SAFETY WEEK**

Students are promoted to aware people about the importance of using **HELMET** and the safety rules while driving vehicle. Students also describe the people about not using a mobile phone while driving. Traffic

signs are also explained by the student to aware people for their safety while driving the vehicle.

  • **FIRE SAFETY & MANUSKICHI BHINT**

Institute organized the awareness program for the promotion of fire safety. For this live demonstration related to use of fire safety equipment available at the institute was also displayed to the students, faculty and nearby local peoples.

The concept **MANUSKICHI BHINT** is all about helping poor people.

One wall is constructed which contain two parts. One part is for donating goods/clothes / any material. The other part of the wall is the portion from which the donated goods are collected by the needy people.

  • **GO-GREEN**

Institute also promotes initiations for using **ELECTRICAL VEHICLE** will help to reduce CO2 emission and save the environment.

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

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

Response: 21

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

2016-17	2015-16	2014-15	2013-14	2012-13
9	3	2	3	4

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

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 7

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	1	1	1	0

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)
Any additional information	[View Document](#)
Reports of the event organized	[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: 10.62

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

2016-17	2015-16	2014-15	2013-14	2012-13
242	75	64	64	71

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	[View Document](#)
Report of the event	[View Document](#)
Any additional information	[View Document](#)

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: 152

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

2016-17	2015-16	2014-15	2013-14	2012-13
59	33	23	23	14

File Description	Document
Copies of collaboration	[View Document](#)
Any additional information	[View Document](#)
Number of Collaborative activities for research, faculty etc.	[View Document](#)

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

Response: 43

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

2016-17	2015-16	2014-15	2013-14	2012-13
16	11	8	5	3

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

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 posses a wholly self-contained campus comprising of requisite infrastructure, which acts as a facilitator for the effective delivery of our curriculum. Thereby fulfilling AICTE norms completely. The institute provides saliently excellent infrastructure to students with a salutary vibe to students by availing the best of facilities. The institute is well planned & well designed area of 10 acres with a built-up area of **14357.20 sq m.**

The aesthetically designed campus has ultramodern facilities with a separate academic wing for each department, administrative block, laboratories, workshops, computer center, spacious classrooms, well-stocked library, conference hall, medical center, sports ground etc. The institute possesses total 62 classrooms with modern teaching aids thus providing detailed learning ambiance for students.

The institute maintains high standards of technical education by providing the wide array of high-class equipments in total 43 laboratories of various departments which helps students to implement practical knowledge thus acting as an interface between students and industry.

The institute patronizes a spirit of perpetual learning by rendering students facilities like 7 tutorial rooms, Number of seminar halls are 5 each of areas 103 square meters for each department. Well equipped incubation center to nurture new and small ideas by helping them to survive and grow through the difficult and vulnerable early stages of development in engineering and technology.

It is our constant attempt to maintain pace with development needed for enriching personal and professional skills of students. The institute has developed well-equipped computer center, modeling and simulation lab and entrepreneurship development cell.

Amenities and facilities are well maintained which include lawn, ramp, and garden CCTV surveillance at all strategic locations, generator back up, RO water purifier, Canteen is available in the institute.

A professional housekeeping agency takes care of maintain complete cleanliness in the institute. Infrastructural maintenance, electrical maintenance, and garden maintenance is done on a routine basis keeping in view the benefits of students.

First aid facilities, Fire extinguishers are available with each department on each floor as a precaution to avoid major haphazard.

Proper checking, periodical inspection, suggestion box, feedback from students, alumni, parents are taken which help in up keeping and maintaining the conducive learning environment within the campus.

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

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

Response:

Sports facilities in institute

The institute ensures to provide adequate sports facilities to students by cooperating in providing adequate budget and resources.

- Institute has the playground of **5 acres.**
- The ground is utilized for outdoor sports like Kho-Kho, Kabaddi, Cricket, Basketball, Volleyball and other outdoor sports activities.
- Institute also has indoor games like chess, table tennis, carom etc.
- Institute has qualified yoga instructor who undertakes regular yoga practices at institutes' yoga center which has the carpet area of 103 square meters.
- Institute has well equipped Gymnasium and a qualified gym instructor.
- Institute encourages students to participate in various zonal, inter-university level tournaments by training to compete with the advanced level.

Cultural facilities in Institute

- Institute has an adequate sound system, music system, light system and various allied equipment useful for cultural activity purposes.
- Institute has many cultural clubs such as photography, club, drama club, dance club. Students organize various activities under these clubs.
- Every year students organize cultural event named 'TARANG'.
- The institute actively shows participation in various intercollegiate competitions like 'Purushottam' drama competition, Firodiya Karandak' etc.
- Institute organizes various art exhibitions like rangoli, paintings etc.

File Description	Document
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: 29

File Description	Document
any additional information	View Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

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

Response: 5.72

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

2016-17	2015-16	2014-15	2013-14	2012-13
16	29	23	33	26

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

4.2 Library as a Learning Resource

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

Response:

The institute has well equipped, spacious air-conditioned library of carpet area 429.6 square meters with the rich collection of engineering books including national, international journals, periodicals, magazines.

The library is fully automated with AUTOLIB software. The reading room facility is available for students. The reading room is 200 sqm with a seating capacity of 150 students.

It has about 4116 titles, 18714 volume, 2015 ebooks, 70 national journals and 03 magazines alongwith news papers.

All the books are bar-coded and bar-code laser scanners are used in circulation counter for book transaction.

A student approaches the counter for issuing a book; the book is searched by title or author. Students can

access physically the stack area. The entry is made in AUTOLIB software through student login and book is registered as issued in student's name. The book is marked for a due date by putting stamp and entry is made manually in the register. Many copies of popular books are brought to make them available to as many students as possible. The books per student ratio are approximately 28. Each student has issued 2 books at a time and they have allocated library hours per week.

The college central library has various institutional memberships of prestigious libraries such as , Jaykar Library. DELNET membership for e-resources and e-Journals, National Digital Library and browsing center with 15 leased line connected computers in the library. Direct Accesses to online journals are made available for staff and students such as Elsevier and Science Direct to learn the latest research and developed techniques in engineering.

Library facility is open to all students and faculty members and is continuously updated with latest books and journals. The institute always strives to provide latest and best collection of books, journals, online sources to the students.

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

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

Response:

Collection of rare books is the heart of the library. Rare books are of great importance because of scarcity in its availability, its age. It provides students with the information that is available with it only as its peculiarity.

The institute's central library posses various genres of rare books related to all branches. **The rare books are on "Modelling & Analysis of System deveoplment". These books are specially used for final year project works.** The various titles of rare books available in library are Numerical Modeling of Construction Process in Geotechnical Engineering for Urban Environment, Air Pollution monitoring, modeling health and control, Finite element modeling for stress analysis, Modeling and analysis of dynamic systems 3rd edition, Air Pollution, City Region 2020, Essentials of Project Management, Integrated Watershed Management Perspectives and Problems, Key Concepts in Water Resource Management: A Review and Critical Evaluation, Principles of Highway Engineering and Traffic Analysis (4th edition), Principles of Water Treatment, Sustainability of Integrated Water Resources Management,

Water treatment principles &Design 3rd edition, Introduction to mathematical Modeling, mathematical Modeling and simulation :introduction for Scientist and Engineers, Boundary representation modeling techniques, Modeling Mathematical methods and scientific computation, Mathematical analysis for Modeling, Mathematical Modeling, performance modeling and engineering, Teaching mathematical modeling connected to research practices, Modeling of metal forming processes, Process modeling simulation and control for chemical engineers, Non linear modeling and analysis of solids and structures, Mathematical Introduction to Robotic Manipulation, Casting: An analytical approach, Elements of Vibrations analysis, Energy Management Handbook, First Course in the Finite Element Method, Fundamentals of Turbo machinery , Handbook of Energy Audit, High Integrity Die casting Process, Lean Production Simplified: A Plain Language Guide to the World's Most Powerful Production System 2nd ed., Mechatronics- An Introduction, Rapid tooling guidenlines for sand casting, Robotics, Vision & control: fundamental algorithms in MATLAB, Applied Mathematical modeling of Engineering problems, Methods of Mathematical modelling(Continuous system & differential equation, Engineering modeling and simulation technology vol. 1, Engineering modeling and simulation technology vol. 2, Induction motors modeling and control, Facts modeling and simulation in power networks, VLSI Planarization method, model, implementation (Mathematics & its application) , Design and modeling of low power VLSI system, Modeling Power & electronics & interfacing, Mechatronics system, Analysis, Design & Implementation, Embedded processor design challenges: systems, architectures, modeling & simulation, Introduction to embedded systems. A Cyber- physical system approach, Modeling & Analysis of real time & embedded systems, Mathematical Modeling, Multifractical based network traffic modeling, Numerical Modeling, Data collection and analysis.

In all there are 54 rare books available in the library belonging to various branches.

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

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: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

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

Response: 14.01

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

2016-17	2015-16	2014-15	2013-14	2012-13
12.6	11.75	7.95	21.4	16.33

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

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

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 10.11

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

Response: 83

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Institute has always eagerly taken an initiative to upgrade itself in providing IT facilities to students and faculty.

With 100 computers in the year of establishment, the institute now possesses 595computers. The latest configuration of computer available in the institute is I5 with 4GB RAM, 1Tb HDD, I5 processor. Each department has its own computing facility. All 595 computers are LAN connected.

The institute has total 27 application software and 5 system software's. Application software and system procured by institute chronologically from the year 2007 are as follows:

Year	Application Software	System Software
2009	Autodesk (AUTOCAD 2009)	
2010	CATIA(CATIAV5 R20)	WIN 7 PRO UPGRD OLPNL Academic
	MATLAB (Mathwork)	WIN SERVER 2008 R2 OLPNL,
	Office 2010	WIN SERVER 2008 OLPNL CAL.
	ORACLE 11G	
	C++	
	Java Builder	
	MACROMEDIA Director VS PRO2010	
	MULTISIM V11	
	IBM RATIONAL ROSE	
2011	Hypermesh & Radioss	
	Mastercam X5,	
2012	I lotus foundation	
2015	Tally ERP	
	QuickHeal	
	Microwind	
	GRAM++	
	E tutor GIS	
2016	Pure Study	
	Language Lab Software	

To synchronize syllabus with industry institute uses open source application and system softwares for keeping students updated. Various open source application and system softwares in the institute are:-

Sr. No	Name of Application Software (GPL)	Name of System Software
1	MySQL Community Server	Ubuntu 16.04
2	Oracle Database 11g Express Edition	WAMP SEVER

3	StarUML	XAMPP Web server
4	Eclipse IDE	Apache Server
5	Netbeans IDE	Glassfish Server
6	Visual Studio (Freemium)	Debian
7	AUTOCAD Civil 3D	

Internet service was made available in the institute to students and faculty from 2007. Institute had internet in 2007 with a bandwidth of 8 Mbps RP connection, which was upgraded to 32 Mbps in 2015-2016.In due course of time institute upgraded it to 55 Mbps optical fiber connection with 1:1 leased line. The institute has separate computer center of computers with internet facility.

All the IT facilities are minutely looked upon by system head, system admin, and Team of technicians.

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

4.3.2 Student - Computer ratio

Response: 1.23

File Description	Document
Student - Computer ratio	[View Document](#)
Any additional information	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
<5 MBPS

5-20 MBPS

20-35 MBPS

35-50 MBPS

Response: >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	
Additional information	

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

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	

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: 19.36

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)

2016-17	2015-16	2014-15	2013-14	2012-13
97.6	95.26	98.89	84.23	19.54

File Description	Document
Audited statements of accounts.	
Details about assigned budget and expenditure on physical facilities and academic facilities	

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:

Institute maintains specific systems and procedures for maintenance of the various infrastructural facilities.

Specified coordinators' are appointed for different sections of maintenance. A request application is sent to

these coordinators through Principal, Head of the department if any maintenance is required.

- Regular maintenance of physical facilities is done on daily basis. Like Cleaning of infrastructural facilities like classrooms, passages, Office, internal roads of campus, girls common room and boys common room, the tutorial room is allotted to the third party. The teams of 11 housekeepers are employed to do the task.
- Laboratory in charge, laboratory assistant look after cleanliness and maintenance of laboratory. Every year budget of new dead stock equipment, consumables and maintenance are proposed to management through HOD and Principal. List of non repairable/equipments/ instruments is prepared by concerned faculty in charge, laboratory assistant in consultation with Head and Principal for write off approval.
- Equipments in the laboratory are efficiently maintained by respective Head of the department in accordance with their dealer.
- System admin maintains the computer, printers and other IT facilities in the institute.
- System Head, System administrator and the team of technicians look after the maintenance of daily band, usage, bandwidth allocation and sharing and security.
- Electrical maintenance is looked after by electrical coordinator of the institute.
- Sufficient water is made available to satisfy the need for drinking water and water required for another purpose.
- Various infrastructural maintenance works are monitored and executed by Department of Civil engineering in accordance with management policies. Major maintenance work is given to Consultant Trust named AMCON Builders.
- Security of the institute is maintained by an external agency – named GARUDA SECURITIES. The security agency is responsible for whole safety and security of the institute. In addition to this, the campus is under CCTV surveillance. 24 hours throughout the week.
- Garden of the institute is maintained by Garden Department of the institute.

File Description	Document
Any 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: 67.27

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

2016-17	2015-16	2014-15	2013-14	2012-13
572	769	902	978	796

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
Any additional information	[View Document](#)

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

Response: 1.06

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

2016-17	2015-16	2014-15	2013-14	2012-13
18	12	13	15	0

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

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

Response: 13.77

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

2016-17	2015-16	2014-15	2013-14	2012-13
153	138	333	115	65

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during

the last five years

Response: 2.05

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

2016-17	2015-16	2014-15	2013-14	2012-13
36	24	29	14	05

File Description	Document
Details of the students benifitted by VET	[View Document](#)

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
Details of student grievances including sexual harassment and ragging cases	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)

5.2 Student Progression

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

Response: 11.45

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

2016-17	2015-16	2014-15	2013-14	2012-13
80	65	57	14	12

File Description	Document
Details of student placement during the last five years	[View Document](#)
Self attested list of students placed	[View Document](#)

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

Response: 2.93

5.2.2.1 Number of outgoing students progressing to higher education

Response: 12

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/ TOFEL/ Civil Services/State government examinations)

Response: 80

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	1	0	3

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	1	1	3

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: 3

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	1	1

File Description	Document
e-copies of award letters and certificates	View Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

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

Response:

The institute strongly believes that student involvement is necessary for the overall progress of the institute. Institute encourages active participation of students through student councils. The members are selected as per university rules and regulation. Initially interested students are called. After selection of members, one of the students is nominated for General Secretary (GS) and one of the girl students is nominated for Ladies Representative (LR). The selections process of Cultural committee and sports committee coordinators have been conducted. This student council actively works for different activities conducted in the institute. University Representative is selected at university level from the representative of institute by conducting selection process. The institute has formed following academic and administrative bodies which have student representatives.

* Student council
* Earn and Learn Scheme of SPPU
* Anti-ragging committee
* Women's Grievances Committee
* SAE Committee
* Sports committee
* Cultural committee
* NSS committee
* Swami Vivekand study club
* Birju Maharaj Dance and Drama Club
* Anna Hajare Social Activity Club
* Foreign Language Club
* E- Magazine Club
* Carrier Guidance Club
* Great Bhet Club
* Entrepreneurship Club
* Student associations in each department(CESA, MESA, CESO, ETSO)
* Food Committee
* Student Volunteer Committee

The student council is responsible for following activities.

* Conduction of annual sports and cultural events
* BAJA
* Go- Kart
* Techno-Meet
* Publication of institute E Magazine
* Social activities under the belt of NSS
* Annual social gathering
* Blood donation camp
* Tree plantation

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

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

Response: 4.2

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

2016-17	2015-16	2014-15	2013-14	2012-13
5	4	4	4	4

File Description	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:

The College has established Alumni association since its beginning in the Academic Year 2012- 2013.

Alumni association meetings with management and staff are periodically conducted in the college and it is functioning effectively.

- Eminent, higher position, experts' alumni are invited to college to deliver lectures and motivate students and provide counseling for achieving career opportunities.
- Institute along with alumni discuss with other stake holders on various matters and academic performance and the alumni feedback is obtain for improvement in quality.
- On the basis of feedback obtained from alumni, the college modifies and updates all the academic performance and all other programmes associates with current student.
- The financial assistance is contributed for the welfare of students such as gifts for ranker students and achievers.
- Alumni come forward to conduct campus interviews from corporate sectors, IT companies and other organizations for providing job opportunities and placement of current students.

5.4.2 Alumni contribution during the last five years
<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: <1 Lakh

File Description	Document
Alumni association audited statements	<u>View Document</u>

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	<u>View Document</u>

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:-

Encourage Technocrats to create a Better Future.

MISSION:-

To attain high valued technological teaching through:-

- Student-centric teaching-learning practices
- Awareness of ethical responsibilities and to serve humanity to their paramount skill
- Driving activities pertinent to the requirements of the Industries & society
- Strengthening the Educational Social Responsibilities through dynamic support of management

Description:-

1.   The institution under its belt having more than 12 years experience with success in higher education in engineering graduation, promoting improvements in teaching learning process utilized with best methodologies and practices.

2.   Involvement of all stakeholders in augmentation and expansion of the college.

3.   IQAC plays very vital role for enhancement of quality at micro level in all the areas for the development of institution and departments.

4.   Students are encourage to pursue the activities related to industry level exposure through:-

- Maintaining social and better relationship among students and staff.
- Scholarship for various categories of students and merit students, Academic excellence, gold medals and rank holders, cultural and sports excellence.
- Concession in fees for economically poor students
- Efforts are taken to minimize failures and drop outs.
- Rank holders are produced in many Departments.
- Our students have taken the initiative to participate in Baja-a national level competition every year with which students are getting research orientation.
- Add-on courses are created by all departments of the college to equip the students for multiple career opportunities.
- Well Equipped Laboratory facilities. A separate digitalized internet Laboratory and library with 20000 plus books, magazines and journals, e-journals, e-Books, NPTL, DELNET resources are provided to staff and students.

- Different club activities are conducted regularly for availing self-help employment on various fields.
- Various co-curricular and extra-curricular activities are organized to enrich the flair of students and to extend the community service and involve the students in social issues
- Focus on Training and placement to get better day by day in terms of employment of students.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The vision of the college is to achieve excellence in technical education and to achieve this; the mission of the institute is well articulated. The departments, in turn, have formulated their vision and mission in tune with that of the institute. Based on the Vision and Mission of the institute and inputs from various stakeholders, the Quality Policy is drafted. The Governing Body (GB) and Local Management Committee (LMC) give general guidelines for appropriate governance to realize the vision. The top management provides effective academic leadership to the faculty, by setting goals and involving them in participative decision-making process, not only to achieve the vision, mission and goals of the institute, but also in building the organizational culture.

- The college delegates authority and provides operational autonomy in all areas of academic performance, decision taking and implementation of plans and polices in curricular programmes.
- The Principal provides freedom to departments, librarian, and college office, various curricular committees, college club, and hostel and students council.
- The Principal permits the HODs and staff members in performing freely in the academic activities and administrative programmes such as departmental activities, allotment of workload, various academic committee programmes, association and club activities, conducting departmental test, teaching and learning process and evaluation regularly.
- The college provides autonomy to organize competition, guest lecture, seminars, conferences, workshop, and faculty development programmes by inviting external experts and resource persons.
- Also gives autonomy in organizing and participating intercollegiate competitions and to plan budget for activities of associations.

Top Management:-

1. Designing Quality Policy
2. Provide Budget
3. Infrastructure
4. Recruitment
5. Provide support to economical backward students

Principal:-

1. quality policy
2. Weekly Meeting with HOD
3. Departmental Meeting with faculty once in month/Semester
4. Administration of teaching and learning
5. Monitor academic performance
6. Non teaching member meeting
7. Recruitment
8. Maintenance

Head of the Departments:-

1. Departmental meeting
2. Execution of course work
3. Social activities
4. Mentor to student
5. MOU's
6. Maintenance
7. Result Analysis

Decentralized

1. Top management has given necessary authority to Principal to manage different functions with operational autonomy.
2. Principal forms different committees as per requirement.
3. Committee co-coordinators have given appropriate authority by principal to take decision.

Participative

1. Participative management.
2. Students, faculty and administration join hand in hand.
3. Internal as well as external stakeholders are involved for any modification in teaching learning and administrative process or any similar process.
4. College constitutes committees for general and academic development which includes faculty, non-teaching staff and students' participation and everyone is involved in decision making processes.

File Description	Document
Any 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:

Perspective plan

Institute has a perspective plan. Through which we plan to launch research project, better industry institute relationship with MOU. The Institute also has plans to achieve academic excellence, promoting students for higher studies.

Perspective/Strategic plan Developed by considering vision and mission of the

Yes, the institute has a perspective plan for development.

As per this plan institution has:

1. Enhancement in infrastructure and amenities.
2. Excellent academic growth by achieving 100% results in maximum subjects.
3. Fulfillment of 100% admission.
4. Establishing center of excellence in various domains.
5. Retaining Good number of PhD holders.
6. Faculty development by enhancing research and innovations.
7. Collaborations with institutes of repute nationally and internationally.

File Description	Document
Any additional information	[View 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:

Institute's vision is to Encourage Technocrats to Create a Better Future and to attain this vision the mission of the institute is well uttered. The departments also have formulated their vision and mission in accordance with the institute. Based on the Vision and Mission of the institute and suggestion from different stakeholders, the development plan is prepared. The Governing Body (GB) gives the general plan

for suitable governance to cope up with the vision of the institute. The top management facilitates efficient guidance to the faculty, by setting goals and involving them in participative decision-making method. Principal, Deans (Academic/Admin) and Heads of the Departments have ample independence in academic and administrative decision making. IQAC cell examines and appraise all mechanisms of academic and administrative processes and make certain that quality is promoted and sustained at every level. Quality upgrading strategies are planned to take into consideration the feedback of all the stakeholders and implemented in a clear and useful manner. The institution initiates professional development of teaching faculty and non- teaching staff by inspiring to acquire higher studies. Financial support is provided by the institute to attend FDP, Conferences, Workshops, and Seminars in their area of interest, encouraging attending National and International conferences and publishing their research papers in refereed journals. There are established procedures and processes for planning and allocation of financial resources. Legal auditing is done at the end of each financial year. The quality is maintained at every stage for the improvement of academics, administration, and infrastructure.

File Description	Document
Any additional information	[View 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: B. Any 4 of the above

File Description	Document
ERP Document	View Document
Screen shots of user interfaces	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:

Committee	Strategic Plan	Action Plan and Activities	
Governing Body	Governing body formulates various policies and planning considers stakeholders' suggestions and requirements and the vision and mission Statements of the institutes. It designs and executes Long-term planning.	Implementation of the major issue related to overall with all sub-ordinate committee. As apex body of the institute it takes leadership encourages decision of formulation of policies planning of marketing, academic, finance, so activities after taking consideration of mark scenario, experience and future prospectus	
Local Management Committee	Ensure the growth and overall development of the institution and aims at giving desired shape to the institution to meet the standards in the field of technical education.	Review of all progress was periodically taken the outcomes from all the heads and make su about implementation of strategies planned	
IQAC	Ensure significance education through soft skill, ICT based teaching-Learning, Aptitude training, soft skill training.	To provide effective ICT based teaching-learn processes adding to innovations and best pract with the quality control mechanism.	
Cultural committee	To open-up hidden talent & skills	Ensuring availability of instruments & time schedule. Involvement in competitions.	
Grievance Redressal cell	To create the responsive and accountable attitude among all the stakeholders & to maintain harmonious educational atmosphere	Provide suggestion box at an administrative bl library, and departments. Provide e-mails t members. Ensure assure that the grievance h been properly solved in a stipulated time lim	
Guardian Faculty Member committee	Feel Loyal, Affiliate and Home in the absence of family	Updating parents about students' academic a other performance periodically. To increas morale, to support, to motivate in their academ & personal matters.	

Anti-ragging committee	Providing respectful and secured environment	To follow anti-ragging act as per the guideline AICTE. Provide anti-ragging instructions with contacts. Conduct awareness programs.
Women's Grievances Committee	provide appropriate working conditions in respect of work, leisure, health and hygiene to further ensure that there is no hostile environment towards women at workplaces	The committee's implements the policy or Protection against Victimization of the Wome Grievance Redressal Cell and takes necessa action against the defaulters.

Case Study: 1

Name of Committee:-

- IQAC

Minute of meeting:

1. It is unanimously decided to conduct Soft-Skill training and Aptitude training for First and Final Year students.

(Date of Meeting- June 15, 2017)

1. To conduct Induction Program for Fresher students admitted in to First and Direct Second Year (Lateral Entry) students.

[Date of Meeting-June 15, 2017]

1. Procuring and Installation of latest ICT base tool in the campus.

[Date of Meeting-September 15, 2017]

Implementation (Minute of Meeting-1)

- Soft Skill for First Year student on 04 August 2017 for the development of employability skill in the seminar hall of the institute. **80 number of students** actively participated in the training program headed

- Aptitude training program was conducted for Final Year students for the development of employability skill for **BE students and 80 students** actively participated in the training program.

Implementation: (Minute of Meeting-2)

- Induction Program for Fresher students admitted in to First and Direct Second Year (Lateral Entry) students was conducted in the Seminar Hall of E-Building organized by CESA. The
- Students are informed about the teaching –Learning practices carried out at PGMOZECOE. The mentoring system like guardian faculty member is also explained to students.
- Exam pattern and procedure was explained by Chief Exam Officer of the institute.
- Departmental introduction was given and visit to various department and laboratories was

organized.

First Year- August 03, 2017,Direct Second Year August 29, 2017

Implementation: (Minute of Meeting-3)

* Quotations were called from various suppliers for installation of ICT based tool in the campus.
* Final purchase order was placed to the suitable supplier with necessary terms and conditions.
* Installation work is in progress till date.

File Description	Document
Any additional information	View 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:

Following activities are carried out for the welfare of teaching and non-teaching staff:-

* **Term Insurances** for –Rs-250000/- by institute for all teaching faculties (worker welfare scheme-National India Insurance).
* Free **Yoga** classes and **meditation** sessions for non teaching and teaching faculties.
* The children of both teaching and non-teaching staff are given education in the Trust Schools and Colleges with **subsidized fees**.
* **Personal Loans** to the Faculties with no interest rate for up to 25000/- is provided depending on the requirement.
* Two set of **Dress code (College Uniform)** is provided to teaching & nonteaching staff every year free of cost.
* **Sports activities** are periodically conducted for developing **kinesthetic skill** and refreshment for staff to remain fit after the teaching session.
* **Welfare fund** is generated with willingly contribution from staff and institute which will be paid to the person affected by any difficult situation. (Accident/Theft/calamity/ death/ injury)
* **Free Health Checkup** for faculty to ensure their medical fitness.

File Description	Document
Any additional information	View Document

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: 6.66

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	9	8	12	0

File Description	Document
Any additional information	[View 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: 0.6

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	0	0	0

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 programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 6.62

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	11	8	12	0

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:

Yes, the institution has performance appraisal system for teaching and non-teaching staff which Works on Certain Objective.

Academic Performance Indicator (API) System is compulsory for all teaching faculties. This motivates all faculty members to be involved in personal grooming by way of teaching-learning, subject results, plenary lectures in conferences, workshops and thereby networking with other experts in the field from both academia and industry.

Performance appraisal plays a role in making the decision about intensive. Normally salary increment of the teacher depends upon performance. There is continuous Evolution of his performance either professionally and ethical approach.

With Performance appraisal tool, the strengths and weakness of the teacher are identified. This information can be used for devising training and development program appropriate for overcoming the weakness of teachers.

The Head of the Department and The Principal gives the feedback on the performance appraisal form filled by the concerned faculty about the overall performance of the faculty based on the information provided by the staff members in their self-appraisal form and through regular presentations where the faculty contributes the information and ideas in the improvement.

Self-appraisal form is given to each Faculty. Following points are considered for appraisal:

- Subject Taught
- No of lectures taken
- Average student attendance

- Online Examination Result
- Unit Test Result

- Effort was taken to improve attendance of student in class
- Success rate in attendance
- Result of university exam
- No. of practical's conducted
- Average attendance of practical's
- Innovation used in teaching and learning process
- Remedial teaching is done.
- Effect of remedial teaching
- Research publications
- Book published
- FDP/Workshops attended
- FDP/ Workshops conducted

Corrective Measures

The information and the remarks provided by the HODs and the Principal on the performance appraisal help the faculty to gain insights for improvement. The following inputs are provided to the faculty in the light of the review of the performance appraisal report.

- Enhance competency through strengthening knowledge in the subject.
- Introduce the variety of teaching methods suited to the requirements of the subject.
- Increase interaction with the students and encourage participation in the learning.
- Develop convenience to the students outside the class.
- Prepare adequately prior to the classes.
- Ensure syllabus complete on time.
- Maintain regularity in conducting classes.
- Adopt ICT based teaching-learning method.
- Concentrate on research projects
- Present papers in conferences and workshops

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

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

All the finance related issues are monitored and verified by external agency M/s Dipak Kotwal (Registered Chartered Accountant) and internal audit is headed by Dean - Academics in consultation with Finance and Account are responsible for the financial audit and it is presented registered CA. The information related to account is periodically updated using various software (eg. Tally, ERP) and funds received from EBC scholarship schemes from state government authorities is distributed amongst the student. The audit for F.Y. 2016-17 was successfully conducted by registered CA.

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

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

Response: 0.93

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

2016-17	2015-16	2014-15	2013-14	2012-13
0.68	0	0	0.25	0

File Description	Document
Any additional information	[View Document](#)
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

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

Response:

Financial management and resource mobilization process carried out by the institute is elaborated below:-

1. The management appoints **registered chartered accountant** as an **external auditor** for the audit process of all the accounts of trust and institute every year.
2. The external auditor verifies income and expenditure of various aspects, receipts and payment vouchers of daily transactions are checked by external auditor. After scrutinizing and preparing the income and expenditure report, external auditor will present the audited statement to the management.
3. The management discusses and approves the audited report in general body meeting at institute level.
4. The accountant of the institute daily checks the receipts and payment vouchers and records the same.
5. The source of **income** includes **student' fees** received by transparent system and deposited in institute's bank account from the students and fund from **scholarships / free ships** from government schemes.
6. The **Expenditure** includes **salary** of regular and contractual staff, infrastructural development,

instrument purchase/ maintenance for academic and administration purpose.

7. The last financial audit was done for **Financial Year 2016-17** successfully.

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

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 Internal Quality Assurance Cell (IQAC) is an important body monitoring the process of teaching, learning and evaluation in following ways:-

  * **Contribute to maintaining quality standards in teaching, learning and evaluation.**

Example:

Use of ICT base teaching- learning practices, use of smart board interactive teaching learning. The evaluation of following practices is carried out by IQAC in the form of online/ offline feedback through HOD and principal.

The performances of faculty were evaluated by using API tool and the action is taken for improvement of teaching-learning process.

  * **Encourage/promote co-curricular, extra-curricular and other types of activities as part of achieving quality in teaching, learning and evaluation.**

Example:

The institute has an active NSS unit and departmental student associations. Numerous of the activities have been organized in near past, such as adoption of the village, having a residential camp for building a rapport with the villagers and an understanding of their problems,Manuskichi Bhint, Organizing Blood donation camps,say No to Plastic, Go Green,Digital India,Foriegn Language & road Safty week.

The Institution has collaborated with the different organizations to provide the internship, field trip and help students in the research work, carrying out their project work. Under the Memorandum of Understandings Signed among the Institution and various Organizations.

The institute also supports the students to participate in to participate every year in BAJA SAE & Go Kart which is an intercollegiate design competition.

  * **It monitors various academic/educational activities in the college/institution.**

Example:

The institute has started the Incubation Centre for the young entrepreneur.

Workshops and seminars are conducted frequently on current trends and Industry-Academia Innovative.

The institution organizes national / International conferences/ workshop for the student to showcase the talent of students.

- **Maintain coordination between management, and teaching & non-teaching/support staff.**

Example:

Based on the Vision and Mission of the institute and inputs from various stakeholders, the Quality Policy is drafted.

The Governing Body and Local Management Committee give general guidelines for appropriate governance to realize the vision.Principal, Deans (Academic/Admin) and Heads of the Departments have ample independence in academic and administrative decision making.

IQAC cell examines and appraise all mechanisms of academic and administrative processes and make certain that quality is promoted and sustained at every level.

Academic Performance Indicator (API) System is compulsory for all teaching and non teaching staff members. This motivates all the staff members to be involved in personal grooming with other experts in the field from both academia and industry.

- **Acts as an important link between all the stakeholders of the institution.**

Example:

Involvements of all the stakeholder for the development of institute is achieved by Alumni Association, Industry Linkage (MOUs/ Field Visits/ Internship/ Vocational Training/ Add On Courses etc.), Parent Feedback, Student Feedback, Teachers achievement.

- **IQAC promote, stimulate and monitor the internal evaluation of the students, in the form of tests, tutorials, assignments, practical, and major/ minor projects/seminar.**

Example:

By conducting Test, Mock Viva, Quiz, Mid Semester Exam, Assignment, Minor Project/ Major Project/ Seminar Presentations in accordance with University Curriculum and Teaching Plan.

File Description	Document
Any additional information	View Document

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:

IQAC collects the information from each department, about the syllabus covered, evaluation contents, extracurricular, co-curricular and practices organized, any social activities carried out, research activities, student feedback about academics and organizational processes. Using above input, IQAC takes review of in place teaching-learning practices which enables IQAC to propose upgrading in teaching-learning process. Cell interacts with other institutes, gets the best practices, and shares the same with students and faculty members. It analyzes results of internal assessment and university exam. IQAC collects review of course diary, continuous assessment, theory and practical attendance, lab manuals, staff feedback etc in every semester.

IQAC monitors the feedback system and takes appropriate corrective actions. In addition to this, Annual Appraisal of the faculty member is evaluated by the IQAC of the institute. Based upon these evaluations, remedial measures are taken to improve the quality of teaching and learning.

The Institution through its IQAC cell makes meticulous and incessant efforts to study, evaluate and cope every policy, action, method and practice in all activities with a aim to accomplish, maintain and augment eminence with a view to achieve excellence. Continuous feedback, Academic Audit from government regulatory bodies like the SPP University-PUNE, DTE and AICTE. The quality is maintained at each level of academics, administration, and infrastructure development. The Institution in place a proper procedure for conducting internal academic audit and external audit. Outcome of both internal and external audits are discussed and the areas acknowledged for up gradation are taken in to consideration.

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

Response: 10.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
17	9	11	11	6

File Description	Document
Any additional information	View Document
Number of quality initiatives by IQAC per year for promoting quality culture	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: C. Any 2 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	[View Document](#)
Any additional information	[View Document](#)
Annual reports of 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:

Incremental improvements made during the preceding five years:

The institute believes through its vision for continuous development in micro and macro level for enrichment in teaching –learning practices. Following are important improvement achieved by institute for last 5 Academic Years:

Placements Count:

Academic Year	Number of Placement
2012-13	12
2013-14	14
2014-15	57

| 2015-16 | 59 |
| 2016-17 | 89 |

Number of Guest Lectures/ Workshops/ Seminars:

Academic Year	Number of Guest Lectures/ Workshops/ Seminars
2012-13	104
2013-14	547
2014-15	528
2015-16	733
2016-17	834

Number of Book / E-Books/ E-Journals Purchased:

Academic Year	Book / E-Books/ E-Journals Purchased
2012-13	575
2013-14	1613
2014-15	892
2015-16	2546
2016-17	2111

Along with the above improvement, following are the additional improvement during last five years made by the institute.:

Online Student Feedback, Guest Lecture / Seminars / Workshop, Induction Program (DSE) Induction Program (FE), Expert Lectures, M-BAJA Virtual Round Cleared, New Books Purchase Rare Books Purchase, E journals, DELNET Membership, NDL (National Digital Library), Book Bank Facility for Students Parent Meeting, Workshop on BAJA for Students, FDP (Research Publications and Funding) Infrastructure Development- Entrance Renovation Compound wall Maintenance Tremix Concrete-Internal Road Reading Room Renovation Rooftop Solar System Installation (25 KW) Rainwater Harvesting Seminar Hall Audio Video Facilitation ICT Interactive Board Installation.

File Description	Document
Any additional information	View Document

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: 4

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	0

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:

Girls and boys together participate in various co-curricular activities such as workshops, paper presentations, project competition, the organization of paper contests, group discussions and technical quiz programs etc. Both boys and girls are involved in various clubs associated with academic, co-curricular and extracurricular activities so as to stop gender inequality. Institute arranges various programs/seminars/ initiative/ skits based on the theme, 'Save the Girl', 'Women Empowerment Program', 'Sexual Harassment of Women', 'Self Defense of Women', 'Navratri Program' etc.
The following points in regard to gender sensitivity are in place in the institute and explained below: -
• **Safety and Security:**
For the safety and security of the woman's, all the campus area is covered under the surveillance of CCTV cameras. The institute has well operational cells like Women's Grievance Cell, Sexual Harassment Cell & Student Grievance Cell to solve the issue related to gender sensitivity. In addition to this, Police helpline number is also displayed on various notice boards within the campus in case of emergency. The institute is registered with Police 'Damini Pathak'.
• **Counseling:**
The institute has the provision of Guardian Faculty Members in each department for the counseling of

students. One Medical officer is available with the institute and separate medical counseling room is in place.

- **Girls Common Room:**

The institute has separate common room for the Girls as well as Boys with all required facilities.

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: 61.02

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

Response: 30000

7.1.3.2 Total annual power requirement (in KWH)

Response: 49162.92

File Description	Document
Any additional information	View Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 42.07

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

Response: 12000

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 28524

File Description	Document
Any additional information	[View Document](#)
Details of lighting power requirements met through LED bulbs	[View Document](#)

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

Response:

- **Solid Waste management: -**

For disposal of Organic Waste, the College has adopted the route of Composting, wherein the waste is collected in a pit and after the composting the same is used as fertilizer in garden.

- **Liquid waste management: -**

The liquid waste generated from the institute is directly passed to the drainage system.

- **E-waste management: -**

Electronic waste or E-waste such as discarded computers, electronic scrap component, CPU'S, mouse & keyboards collected and stored carefully before it is handed over and sold to respective vendors for recycling purpose. Old computer machines are transferred to the Genba Sopanrao Moze Trust's various schools. Other old electrical, electronic devices are sold or exchanged to the vendors.E-project waste is collected & reused for new projects.

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

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The college has few bore wells to meet the general water needs of the institution. Within the campus, a big tank is constructed to collect the rainwater. This rainwater is very carefully used for gardening purposes.

The institute has implemented the rooftop rainwater harvesting system in the campus. All water outlets in the building are connected to the main pipe and then filtered through rainwater filters and then this treated

rainwater used for recharging the bore well. The water level increases according to the intensity of the rain. This will help to use sufficient amount of water during the summer season and will reduce the water bills.

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:

○ **Students and staffs using bicycles, public transport system with pedestrian-friendly roads**.

The institute has all-weather approach concrete road is made by and which is accessible for bicycles, all type of public transport vehicles and pedestrian friendly. In addition to this municipal public transport upta campus is available. The internal road is made up of paving blocks and concrete which is suitable for pedestrian traffic movement within the campus. Besides this institute observe NO VEHICLE DAY to initiate green practices.

○ **Plastic-free Campus: -**

Institute initiates to make the campus plastic free by displaying the instructional boards within the campus. All the collected plastic waste is supplied to vendors for recycling purpose.

○ **Paperless office:-**

A paperless office is a work environment in which the use of paper is greatly reduced. For this purpose, the institute using the digital techniques such as Google forms, online feedback of students, MIS system (pure study), emergency notices via email and social media like WhatsApp and reducing the number of printing pages by changing the printer setting to make it mandatory to print on both the sides. Used rough papers are again utilized for any printing to reduce the page consumption.

○ **Green landscaping with trees and plants: -**

All the campus is nourished with "Flora & Fauna" and made the campus green by the plantation of trees around the campus. Green landscaping is provided within the campus. Also nomenclature of all trees has done within the campus.

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: 1.42

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)

2016-17	2015-16	2014-15	2013-14	2012-13
0.101	10.70450	3.15890	12.71130	8.27664

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

7.1.9 Differently abled (Divyangjan) Friendlines 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: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	
Any additional information	

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

Response: 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	
Any additional information	

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

Response: 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Report of the event	
Details of initiatives taken to engage with local community during the last five years	

7.1.12

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

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

Response: Yes

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: 7

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

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

Response:

Yes, Institution organizes national festivals and birth & death anniversaries of the great Indian personalities.

The institute organizes various national festivals like

- Independence Day
- Republic Day
- Gandhi Jayanti
- Birth anniversary of Sir M. Vishweshwaraiah as 'Engineers day'
- Birth anniversary of Dr. S. Radhakrishnan as a 'Teacher's day'
- Shivaji Jayanti
- Navaratri Festival
- Ganesh Chaturthi
- Yoga 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:

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

Yes, the institute is made the provision for the transparency in each work such as financial, administrative

and auxiliary functions.

- **Financial Functions**

1. The external audit sheet is made yearly.
2. Sanctioned College fees are displayed on notice board.
3. All the transactions of college fees are paid by the student through Cash/NEFT/DD.

- **Academic Functions**

1. Displaying the term work & unit test marks on students on notice board on time and get a chance to verify their papers
2. Displaying the online exam marks of students on notice board.
3. Displaying the student attendance regularly on time.

- **Administrative & Auxiliary Functions**

1. The Hierarchy chart is maintained and being followed strictly.
2. Displayed the important informative circulars for the students on notice board regularly.

7.2 Best Practices

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

Response:

Best Practice I

Title of the practice: 'Aptitude Training to the Students'.

Goal: The goal is to make practice the students for the aptitude session in order to give good performance in campus selections as well as the competitive exams.

The Practice: The monitoring of the students is done in continuous and skill full manner in order to make them understand the tactics of aptitude, the students are taught the tricky methods to solve the aptitude test and this practice enhances the knowledge of the students regarding the mathematical skills. Under this, we keep the session for final year students as well as the first year students so as to make them understand the importance of the aptitude

Evidence of the success: Students are getting very good help through the session of the aptitude still it is in the process.

The problem encountered: Students were not aware of the importance of the aptitude practice session, so making them attend this training was quite difficult.

Resources required: The institute has hired an expert trainer from other organizations to give aptitude

training to the students.

Best Practice II

Title of the Practice: Concession in fees for students

Objective of the Practice: To provide the financial support to the needy and meritorious students.

The Context: The students admitted to the institute are from rural and different backgrounds. Students who are not capable of paying tuition and other fees due to their financial conditions and need to be supported for continuing their higher education. In concern of this, the institute has a provision to given the concession in fees to the student.

The Practice: At the initiation of every academic year, students apply for concession in fees. At the time of application, they need to submit their academic progress report as well as proof of their family income. Based on the submitted documents, students are shortlisted for the concession. The institute also made the provision of paying fees in instalments for economically weak students.

Evidence of Success: Following table shows the data of the number of students benefitted through the financial assistance:

Sr. No.	Academic Year	No. of students	Concession Amount (Rs)
1	2013-14	15	821642
2	2014-15	19	742631
3	2015-16	19	698192
4	2016-17	24	685273
5	2017-18	38	1071356

Problem Encountered and Resources Required: Identification of such lower financial background student is difficult. This is first resolved by proper enquiry of the student. Once the student identified, who really need financial support is then finalized. With the approval of the management, the concession in fees will be granted.

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 area considered is the example of hierarchy of engineering solution in the form of learning, analyzing, designing, applicability and achievement.

The vision of institute is "Encourage Technocrats to Create a Better Future." To achieve such challenging vision, the institute has put the following efforts.

From AY 2012-13, the institute supports mechanical students to participate every year in BAJA SAE and Go-Kart which is a national level racing in which vehicle design, analysis & manufacture by the student itself. For manufacturing of that vehicle, the institute has allocated a specific area as per student's requirement. Every year students of Mechanical Engineering Department have participated in International Level Competition 'SAEINDIA BAJA'. This competition conducted in two stages; Virtual BAJA and Main BAJA.

Objective:

- To promoting global competence.
- To learn and fabricate ATV.
- To apply theoretical knowledge of machine design, thermodynamics, material science. and manufacturing process.
- To inculcate the team spirit and leadership quality.

Outcome:

- Students learn to compete with national talent.
- Students learn to design and fabricate various parts like starring. Brake, roll cage, suspension etc.
- Students have done the market survey regarding purchase and procurement material.
- Students participate & fetch awards.

BAJA SAE PROGRAM OBJECTIVES

Baja SAE is an intercollegiate engineering design competition for undergraduate and graduate engineering students. The object of the competition is to simulate real-world engineering design projects and their related challenges. Each team is contending to have its design customary for manufacture by a fabricated firm. The students must function as a team to design, build, test, promote and compete with a vehicle within the limits of the rules. They must also generate financial support for their project and manage their educational priorities.

DESIGN SUBJECT

Each team's goal is to design and build a single-seat, all-terrain, sporting vehicle whose structure contains

the driver. The vehicle serves a recreational user market, sized at approximately 4000 units per year. The vehicle should aspire to market-leading performance in team off-speed, handling, ride and ruggedness over rough terrain and off-road condition. The performance will be considered by achievement in the dynamic events which are described in the Baja SAE rules and are subject to event-site weather and course conditions. The vehicle entered into Baja competitions are expected to be designed and fabricated in accordance with good engineering practices.

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

5. CONCLUSION

Additional Information :

Parvatibai Genba Moze College of Engineering with its vision and mission statement believes, to contribute quality engineering education taking into consideration, the current market challenges. NAAC application submission is one the step towards self-assessment leads to up gradation all the aspect like student development, teaching-learning practices, governance, curriculum enrichment, improvement in infrastructure and learning resources, Research and Innovations with consideration social- ethical value.

Parvatibai Genba Moze College of Engineering, Wagholi-Pune, pleased to present the Self-study report (SSR) to the National Assessment and Accreditation Council. The institute was established in the year 2006 under the aegis of GENBA SOPANRAO MOZE TRUST under the visionary leadership of Shri. Rambhau Moze (President, GENBA SOPANRAO MOZE TRUST). The Trust runs more than 25 primary schools, secondary / Higher Secondary Schools, Senior College, Engineering Institute, Polytechnics, Pharmacy Institute, and coming many more educational ventures in future to serve the education to the region.

Concluding Remarks :

Parvatibai Genba Moze College of Engineering is providing technological learning to the rural students with consideration of industry and current market demands. It dedicated itself to the cause of technical education for fulfilling the aspirations of the upcoming generations and the ever-increasing needs of the industry. The institute inculcates the value of hard work and meticulousness amongst its students and faculty enabling them to overcome obstacles in the voyage of their upcoming lives with pride and self-confidence in following ways:-

- With the spirit of democracy and equality by inviting feedback from all the stakeholders.
- ICT based infrastructural support.
- E-learning resources.
- Faculty participation in various Faculty Development Programs such as Seminars, Workshops, Lectures, Training to enhance their knowledge and skills to improve the Teaching-Learning process.
- Mentoring of Students through Guardian Faculty Members.
- Student involvement through social awareness.