



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**P. E. S. COLLEGE OF ENGINEERING, AURANGABAD**

**NAGSENVANA, DR. B. A. M. UNIVERSITY ROAD, BESIDES PANCHAKKI,  
AURANGABAD.**

**431002**

**[www.pescoe.ac.in](http://www.pescoe.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

P. E. S. College of Engineering located in the historic city of Aurangabad, was established in 1994. It is situated in NAGASENVAN, spread over a land of 22 acres in close vicinity of the Historic Pan Chakki and Bibi Ka Maqbara. The institute is Self-Financing which is approved by AICTE, New Delhi and permanently affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist.- Raigad, M.S. Its aim is to set up a standard in Technical Education so as to provide greater opportunities to aspiring engineers so as to have an overall development of individual as well as of the society. The People's Education Society's objective is not merely to give Education, but to give education in such a manner as to promote Intellectual, Moral and Social Democracy. This is what modern India needs and this what all well-wishers of India must promote.

### Vision

To create sound technical manpower with global competitiveness, morality and social sense.

### Mission

1. To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
2. To provide an embellished academic and congenial environment to students for complete learning experience.
3. To promote intellectual, moral and social democracy to ensure all-round development of the students.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Staff – student ratio as per Statutory Body (AICTE) norms
- Adequate infrastructure with advanced technology based laboratories.
- Supportive Management, dedicated faculty and motivated students
- Social focused and professionally developed institute.
- Technology enabled and green campus

### Institutional Weakness

- Profile of the admitted students.
- Start-up initiated and to be strengthened.

## **Institutional Opportunity**

- Obtain autonomous status
- Entrepreneurship development
- Develop research centers from affiliated university for Computer Science & Engineering, Electrical Engineering and Electronics & Communication (VLSI Design)
- National and International interactions of students and faculties through cluster formation at industry level.

## **Institutional Challenge**

- The trend in admission
- Placement for all eligible student in the sectors other than IT

# **1.3 CRITERIA WISE SUMMARY**

## **Curricular Aspects**

The institute is permanently affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist.-Raigad, M.S. The institute has its well defined Mission, Vision and objectives. These are developed in line with the thoughts of the great leader and our emancipator, Bharatratna Dr. Babasaheb Ambedkar. The institute participates in the curriculum development of the university. The selected faculty members are the members of faculty and Board of studies on the university. As the institute is affiliated to the university, the academic flexibility is followed in lines with the university guidelines. The curriculum enrichment programmes are conducted at institute level to bridge the gap between practice and theory. Every year the workshops, expert lectures, industrial visits and training programmes are conducted. The institute collects the feedback from the students and alumni on curriculum development and the same is conveyed to the university authorities. The institute ensures effective curriculum delivery through a well-planned and documented process. Faculties of the institute participate in various activities related to curriculum development, assessment of the affiliating University and are represented on academic bodies like Academic Council / BoS of Affiliating University. The institute also organizes awareness programs related to the issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum etc.

## **Teaching-learning and Evaluation**

The teaching –learning process is well driven as per the academic calendar of the university and institute. The institute follow curriculum designed and well planned by university. The institution adheres to the academic calendar provided by the affiliating university and based on that the Institute prepares and publishes ‘Academic calendar’ containing the relevant information regarding the teaching learning schedule (working days), various events to be organized, holidays, dates of internal examination, semester examination, few co-curricular activities etc. The flexibility is offered to the departments regarding the preparation of their departmental academic calendar. The admission process at the institute is as per the prescribed procedures and rules of Government of Maharashtra. The reservations and scholarships are also awarded to the eligible students are as per the govt. rules. The institute follows the university norms of evaluation where in mechanism of internal assessment is transparent and robust in terms of frequency and mode. A transparent, time-bound and efficient

method is being followed in terms of dealing with internal examination related grievances. In some cases, the institute also conducts additional assessment/test. The institute assesses the learning levels of the students and organizes the programmes for advanced learners and slow learners. The Student- Full time teacher ratio is maintained as per the norms of AICTE. The full time teachers are as per sanctioned posts which consist of a team of senior professors, good number of Ph. D. faculties and the experienced teachers. For enhancing learning experiences, student centric methods, such as experiential and participative learning are used, and problem solving methodologies are also used through projects, mini projects, case studies etc. The use of ICT in the class room is provided and teachers use ICT enabled tools for effective teaching-learning process. The teacher-guardian scheme is activated to mentor the students for academic and other related issues. Programme and course outcomes for all programmes offered by the institution are stated and displayed on website and communicated to teachers and students. The students survey is conducted and their suggestions are taken in to consideration for overall institutional performance.

### **Research, Innovations and Extension**

The institute is very much keen in providing the research and development environment to the staff and students. In this regard students and staff are guided and motivated and supported for taking research oriented projects, participation of students in various competitions. Dean Research and Development has been appointed to focus on the research activities. Workshops/seminars are conducted on Intellectual Property Rights (IPR) and entrepreneurship. The faculty members are promoted for higher education and research by the management by way of salaried leave and sponsorship. The Department of Civil Engineering is the approved Research center of the University. The institute promotes the students and faculty members for the publication of research papers. As a result of this, almost every faculty has publications in conferences and journal. Also, the faculty members of the institute have good response in publication of books and books chapters. The institute does certain consultancy work. However, it is vital to state that, all civil engineering activities of the institute are not only supervised but also designed by the institute. The extension activities are carried out through NSS unit in the neighborhood community, sensitizing students to social issues, for their holistic development, as a result, some awards/recognitions received for extension activities from government or non-government recognized bodies. NSS undertakes the activities such as Swachh Bharat Abhiyan, AIDs awareness, Gender issue etc. The collaborative activities for research/Faculty exchange/Student exchange/ internship are also carried out through R&D activities. The research activities are carried out through MoUs with Institutions / universities / industries / corporate houses etc. Regular training programmes are conducted for the students and staff as a part of the collaboration.

### **Infrastructure and Learning Resources**

The Institution has adequate infrastructure and physical facilities for teaching- learning (such as classrooms, laboratories, computing equipment etc.) as per the minimum requirement specified by statutory body, AICTE. The campus maintenance is monitored through surveillance cameras in main building, classrooms, laboratories, workshop, library, hostels, canteen etc. The college has maintenance committee that oversees the maintenance of all campus. Dean Infrastructure is appointed to look after the infrastructure and learning resources of the institute. The Institute has adequate facilities for cultural activities, indoor and outdoor games etc. Indoor cultural activities are organizing in Ashoka Hall and Outdoor cultural programs are organize cultural open court yard. The library is automated using Integrated Library Management System (Lib-Man Master soft). The institute library has subscription for the e-resources such as e-journals, e-books and data bases. The library has required and adequate number of text book, reference books, journals and magazines. The institute is also

equipped with computer and SMART class room. The website of the institute is developed and maintained by the institute. Adequate number of computers and software license exist. The institute have its IT facilities including Wi-Fi and it is updated time to time as per requirement. The systems and procedures are established for maintaining and utilizing physical, academic and support facilities like laboratory, library, sports complex, computers, classrooms etc.

### **Student Support and Progression**

The students are mentored through the teacher-guardian scheme for academic and other related issues. Each teacher mentors twenty students. As a process of monitoring, the students learning difficulties and progress are monitored and they are guided for examination, learning and career development. The students' suggestions through their survey are taken in to consideration for overall institutional performance. The institute takes the efforts for students to get benefited by scholarships and free ships provided by the Government as per rules. The institute carries out Capacity building and skills enhancement initiatives for the students such as Soft skills, Life skills (Yoga, physical fitness, health and hygiene) and ICT/computing skills. The MoU with Gate Tutor is done for students to be get benefitted by guidance for competitive examinations and career counseling. The institute has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases. The institute has active T&P cell, the TPO looks after for the placement of the students. As a result of constant monitoring and close interaction with the students, the students' progression in examination, placement and higher education is enhancing gradually. The students are participating in University sports every year. The students are given opportunity to represent and engage in various administrative, co-curricular and extracurricular activities. The students are consistently taking part in sports and cultural events/competitions every year. There is a registered Alumni Association that contributes significantly to the development of the institute through various support services.

### **Governance, Leadership and Management**

The governance of the institution is reflective of and in tune with the vision and mission of the institution. It is very much in the line with the thoughts and vision of the great leader, Bharatratna Dr. Babasaheb Ambedkar, and dedicated to establish, nurture and develop world class institutions of education, for the downtrodden and needy class of the society. The style of decentralization and participative management itself shows the effective leadership in various institutional practices. All academic and administrative activities are decentralized and decisions are taken based on discussions. The Strategic/ perspective plan of the institute is effectively implemented through various activities. Institution Organogram is applied for demonstrating effective and efficient functioning of the institutional bodies pertaining to policies, administrative setup, appointment and service rules, procedures, etc. The e-governance is implemented in the areas of operation such as Administration, Finance and Accounts, Student Admission and Support, Examination etc. The institution takes care of providing effective welfare measures for teaching and non- teaching staff for their growth. The teachers are provided with financial support to attend conferences / workshops. The institute takes efforts to organize professional development /administrative training programmes for teaching and non-teaching staff. The teachers are also motivated to undergo online/face-to-face Faculty development Programmes (FDP), Professional Development Programmes, Orientation / Induction Programmes, STTP etc. The Institute have a neatly designed Performance Appraisal System for teaching and non- teaching staff. Institute conducts internal and external financial audits regularly. An Internal Quality Assurance Cell (IQAC) is existed to contribute significantly for looking after the quality assurance strategies and processes.

## **Institutional Values and Best Practices**

Our institute has gender sensitization action plan and has established Women's Grievance Cell with objectives of redressing the grievances of the students and staff, of any sort related to women. For promotion of gender equity, various activities are conducted every year through Women's Grievance Cell. The Institute has facilities for alternate sources of energy and energy conservation measures such as Grid, Sensor-based energy conservation, Use of LED bulbs/ power efficient equipment etc. The institute has degradable and non-degradable waste types of management such as Solid waste management, Liquid waste management, and E-waste Disposal through External Agency. Water conservation facilities are available in the Institution such as Rainwater Harvesting, Bore Well/Open Well Recharge and Construction of tanks etc. The institute focuses on Green campus initiatives, Quality audits on environment and energy (Green audit, Energy audit, Environment audit etc.), and Divyangjan-friendly, barrier free environment. Institute is consistently taking efforts to inculcate Human Values and Professional Ethics in the students and employees to know constitutional obligations like values, rights, duties and responsibilities of citizens. The Institution has a prescribed code of conduct for students, teachers, administrators and other staff. Every year institute organizes and celebrates various international and national days, and Utsav which helps the students for their self-development and also to enhance the social awareness.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	P. E. S. COLLEGE OF ENGINEERING, AURANGABAD
Address	Nagsenvana, Dr. B. A. M. University Road, Besides Panchakki, Aurangabad.
City	Aurangabad
State	Maharashtra
Pin	431002
Website	<a href="http://www.pescoe.ac.in">www.pescoe.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr. Abhijeet P. Wadekar	0240-2403001	9422293400	0240-240303 1	principal@pescoe.a c.in
IQAC / CIQA coordinator	Siddharth K. Undirwade	0240-2403008	7773940032	0240-240303 1	iqac_coordinator@ pescoe.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Maharashtra	Dr. Babasaheb Ambedkar Technological University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	27-10-2020	<a href="#">View Document</a>
12B of UGC	27-10-2020	<a href="#">View Document</a>

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	<a href="#">View Document</a>	03-07-2022	12	AICTE Extension of Approval for every year

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	Nagsenvana, Dr. B. A. M. University Road, Besides Panchakki, Aurangabad.	Urban	22.5	14828

## 2.2 ACADEMIC INFORMATION



<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Civil Engineering	48	HSC Science	English	60	14
UG	BTech,Computer Science And Engineering	48	HSC Science	English	60	60
UG	BTech,Electrical Engineering	48	HSC Science	English	60	37
UG	BTech,Electronics And Computer Engineering	48	HSC Science	English	30	30
UG	BTech,Mechanical And Automation Engineering	48	HSC Science	English	60	17
UG	BTech,Computer Science And Engineering Data Science	48	HSC Science	English	60	60
PG	Mtech,Civil Engineering	24	BE or B Tech	English	18	6
PG	Mtech,Computer Science And Engineering	24	BE or B Tech	English	18	4
PG	Mtech,Electrical Engineering	24	BE or B Tech	English	18	4

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	10				18				48			
Recruited	6	1	0	7	6	2	0	8	34	14	0	48
Yet to Recruit	3				10				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				19			
Recruited	0	0	0	0	0	0	0	0	9	10	0	19
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>						
	<b>Male</b>		<b>Female</b>		<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government						55
Recruited	47		8		0	55
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						2
Recruited	2		0		0	2
Yet to Recruit						0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				15
Recruited	10	0	0	10
Yet to Recruit				5
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	1	0	3	0	0	1	3	0	13
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	3	2	0	5	6	0	16
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	2	1	0	4
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	35	14	0	49
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1037	1	0	0	1038
	Female	326	0	0	0	326
	Others	0	0	0	0	0
PG	Male	37	0	0	0	37
	Female	37	0	0	0	37
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	235	283	321	375
	Female	162	164	177	177
	Others	0	0	0	0
ST	Male	4	6	8	8
	Female	2	3	2	3
	Others	0	0	0	0
OBC	Male	127	131	121	107
	Female	35	32	32	21
	Others	0	0	0	0
General	Male	575	440	445	498
	Female	146	90	91	116
	Others	0	0	0	0
Others	Male	153	150	130	87
	Female	51	59	53	46
	Others	0	0	0	0
Total		1490	1358	1380	1438

**Institutional preparedness for NEP**

## 1. Multidisciplinary/interdisciplinary:

The vision and mission of the institute are: Vision: To create sound technical manpower with global competitiveness, morality and social sense. Mission:

- To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
- To provide an embellished academic and congenial environment to students for complete learning experience.
- To promote intellectual, moral and social democracy to ensure all-round development of the students.

The approach of the institute on integration of STEM with humanities and science is towards the general philosophy on making a well-rounded student appears to rest on the notion that if students take a set of classes that include science, math, reading, humanities, and science, they will have appropriate exposure to a variety of areas. Currently the curriculum of engineering education itself consists of Humanities and Science with Engineering, Maths, Communication Skill and Constitution of India The curricula provided by the affiliating university itself includes all credit-based courses and also the projects and mini projects. The projects and mini projects are chosen by the students under the guidance of faculty guide which includes multidisciplinary work designed and covering the purpose of community engagement and services, environmental aspects and value based tasks towards social point of view. As the institute is affiliated to the university, the institute will adopt and implement the curriculum designed and set by university that will enable multiple entry and exits of UG students. The institute has R&D Cell which is monitored by Dean R&D through which the projects titles are chosen and design of project work is done in such a way that the students have to work upon the multidisciplinary approaches. For example, a student of one branch works for design and optimization of a device by taking the knowledge and help of Mechanical Engg. However, students of any branch doing the mathematical modelling, reliability have to engage with the Mathematics students, or requisite other branch. Also the P.E. Society is running 32 Institutions in the subjects of Arts, Science, Law, Commerce, Economics, Physical Education. Thus forming the clusters of P. E. Society College, we are prepared to implement multidisciplinary learning with multiple entries and exits. Multidisciplinary / interdisciplinary approach to learning looks at how

	<p>different disciplines can interact and overlap with each other to create a comprehensive understanding of a subject. Hence, the institute is trying it's best to organize the guest/expert lectures/seminars in various Multidisciplinary / interdisciplinary fields. The curricula designed by affiliated university is implemented teaching learning process wherein some subjects related to multidisciplinary concepts are taught, the projects / mini projects / case studies are chosen in such a way that student in one discipline can learn and use the approach of another discipline/s.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>As per the directions of UGC and affiliating university Dr. Babasaheb Ambedkar Technological University Lonere, the Institutions has registered under Academic bank of credits (ABC). The registration of the students for Academic Bank of Credits has been started and most of the students are registered so far and registration of the remaining students is in process. As per the directions of UGC and affiliating university Dr. Babasaheb Ambedkar Technological University Lonere, the Institutions has registered under Academic bank of credits (ABC). Total 1003 students are registered on ABC portal as on date and the further registration is in progress. The Apple Lab is established and activated in the institute in collaboration with AGS InfoTech Pune. Under this collaborative platform the MoU is signed between PESCOE &amp; AGS InfoTech Pune and agreed upon to train faculties to be an Apple Certified Trainer. This perspective led to training of two months, which included Swift language programming and iOS App Development and subsequent examination. Three of our faculty members have succeeded through all these processes strategically planned and earned Apple certification badge. It was also planned to give training to our students of Swift language programming and iOS App Development, and make them well verse with strong iOS App Developer background so as to be placed in various industries for bright future. As per the above perspective, orientation for 84 students is carried out in phase-1 and training is commenced from 01/09/2022. As this is affiliated institute, the curricular approaches are concerning with the affiliating university. But some of the senior professors of our institute are taking part in the curriculum design of the university and</p>

	<p>suggesting the curricular framework as per the current scenario. Also the faculties are encouraged to design their pedagogical approach in the form of their own notes, assignments, PPT's, videos etc.</p>
<p>3. Skill development:</p>	<p>The institute carries out Capacity building and skills enhancement initiatives for the students such as Soft skills, Life skills (Yoga, physical fitness, health and hygiene) and ICT/computing skills. NPTEL - Soft Skills Training Program was conducted from 28th January to 7th February 2022 for the students to make them industry ready. The students of Mech. Dept. are enrolled for TATA technologies activities for developing soft skill training. Under this activity the students from mechanical Department are participating in TIFAN - an onion harvester design and development competition conducted by John Deere (India) Company every year. In the year 2019-20, we have initiated and designed a Soft-Skill training module for all the students. We have started a program named as Project Light House which is learning cum Employment program run by One Smarter Inc. USA. Promoting the students to reach at a higher level in their chosen field is our motto. Accordingly, we have initiated and designed a Soft-Skill training module for all the students This guidance and mentoring help the students to develop their soft-skills in all the dimensions. The students' software club of Google is formed in the institute. The PES Institute had MoU with Symbiosis, NIELET, IGTR, EduSkills (AWS) for promoting the vocational education to the students of various streams. Our Institution integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values, Gender Equality, Environmental Awareness, which are inseparable part of our curriculum. The institute organizes awareness programs related to the issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum etc. Institute is consistently taking efforts to inculcate Human Values and Professional Ethics in the students and employees to know constitutional obligations like values, rights, duties and responsibilities of citizens. The Institution has a prescribed code of conduct for students, teachers, administrators and other staff. Every year institute organizes and celebrates various international and</p>



	<p>national days, and Utsav which helps the students for their self-development and also to enhance the social awareness. Prof. Prashant Pandit of Mechanical Dept. is the certified trainer for universal human values. Value added courses such as Certification of Red Hat &amp; Python, NPTEL courses, Robotics, E-yantra are also conducted. Massive Open Online Courses Platform (NPTEL, Coursera, ATAL etc.) are used by the student and faculty. Various works shops are conducted to bridge the gap between industry &amp; Syllabus. 1. Training on Red hat Certification (No of Participant:38) 2. Training on Spoken Tutorial (No of Participant:61) 3. Software Value Added Courses for Students Auto Cad, Creo, Robotics Training through e-yantra (No of Participant: 30) The incubation center is established in 2020-21 and activated in the institute in collaboration with Global Innovators &amp; Entrepreneurs Network (GIENET). The various companies which are intending to put in the GIENET incubation are: • Autospatial Private Limited: Robotic Parking • WAPARKING Private Limited: Surface Parking • BVG Agro: Agricultural Product • PAYTM: Fintech • Mondragon Team Academy: Travelling University • Other Companies: Small Tech Companies</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Regarding the integration of Indian Knowledge system, our affiliated university has already initiated the activity. AICTE has made DBATU as the nodal center for the same and probably by the next year affiliating colleges will be directed to initiate this by affiliating university, DBATU.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The institution is adopting the initiatives of transforming the curriculum directed and implemented by the affiliating university. Through IQAC, the academic audits and monitoring are strictly conducted to take strict adherence of the institution with academic calendar and the outcome based education implementation. Academic audit as per norms of affiliated university, Dr. Babasaheb Ambedkar Technological University, Lonere is conducted under supervision of External Academic Advisors for all the years from 2017-18 to 2021-22. This academic audit committee is constituted as per the norms laid down by the university which consists of the Eminent Senior Professor of University/or University Dept./ or the reputed institutions of national importance / or govt. institutions. Apart from</p>

this external academic audit of Dr. Babasaheb Ambedkar Technological University, the regular monitoring (Internal Academic audit / internal academic monitoring) of the online and offline teaching learning process is done at each department level through standardized academic reforms of the institute. This activity is monitored and implemented by Dean Academics in coordination with HODs of the respective departments. Good practice/s of the institution pertaining to the Outcome based education (OBE): Following points are critically reviewed (through yearly academic audits) pertaining to the Outcome based education (OBE):

- Institution Profile which consists of Name of the College, Website, email and Ph. No., Name of the Principal, email & Mob. No, Name of the Dean Academics, email & Mob. No., Name of the IQAC Coordinator, email & Mob. No., Year of Establishment & own land if any, NBA accreditation of courses, NAAC Grade with Cycle, Accredited Year & CGPA (Status of preparation if not Accredited), UGC Recognition (2F & 12 B)
- Curricular aspects like Implementation of Annual Institutional Plan, Departmental Annual Curricular Plans, College Activity Register, College Calendar/College Magazine, Add-on Courses, Syllabus Coverage, Teaching of Humanities & Foundation Courses, No. of New UG & PG Courses introduced, Maintenance of Student Attendance Registers.
- Teaching Learning & Evaluation comprising of Teaching Diaries & Teaching Plans in Prescribed Formats, Co-Curricular Activities, Academic Competitions, Conduct of Internal Examinations, Subject wise and teacher wise result analysis, Remedial Classes, Record of Evaluation of Teachers by Students.
- Research & Consultancy activities and Extension Activities Wherein Recognized Research Centre, No. of Research Guides in the College, No. of Research Scholars working for Masters & Ph. D, Major/Minor/Other Research Projects, Research Papers Published and presented in the year (International/ National), Books Published in Academic year, Record of Consultancy in academic year, Record of MoUs.
- Extension Activities: Record of Subject/Department Related Extension Activities, NSS Attendance register, NSS Activity register, Professional Club Activities, Women Empowerment Cell Activities, Consumer Club Activities. Activities under International Relations

	<p>Cell like. • Learning Resources including Circulation of Books, Record of Visitors, Library Automation status, e-Lessons &amp; e-Resources/ e-Journals, SWAYAM facilities. • Student Support Activities e.g. extra-curricular activities conducted, Maintenance of Placement Cell facilities &amp; records, Career Guidance activities, IQAC activities &amp; maintenance of records, Record of Grievance Redressal Cell / Anti Ragging cell. • Basic Amenities, Governance and Leadership, Initiatives like E-Class rooms, Internet Centre etc., Record of best/innovative practices.</p>
6. Distance education/online education:	<p>The faculty uses various ICT enabled tools to enhance the quality of teaching-learning like: · Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc. · The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process. · To teach subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jam-board in Google meet, Zoom etc. · Virtual labs are used to conduct labs through simulations. · The college has a Wi-Fi enabled campus, well-equipped centralized computer lab facilities both for faculty and students. · ERP software is used by the faculty to communicate to the students regarding the class schedules, session plans, lab manuals, assignments, quizzes etc., · Webinar lectures are delivered by experts with long years of experience. · Massive Open Online Courses Platform (NPTEL, Coursera, ATAL etc.) are used by the student and faculty. Faculty regularly attends and participates in various e-learning resources like seminars, conferences, lectures, workshops in India. Orientation and refresher courses organized by institutes. Such events on emerging technologies are also organized by various departments of our institute. The department of Electronics and Telecommunication have organized a one week ISTE approved FDP on “Data Science and Its Real Life Applications” for the faculty members. · Seminars, workshops, lectures by experts are organized so that students get exposed to the existing expertise in various fields. NPTEL - Soft Skills Training Program was conducted from 28th January to 7th February 2022 for the students to make them industry ready. ·</p>

	<p>Extensive bibliographies and reading materials are given to students to enrich their understanding of the text. · Foreign Language and IELTS coaching is initiated by our International Relations Cell. Two batches of N-5 Japanese Level and one batch of IELTS are executed successfully. · An International Event on “Environmental Issues and Education System” was organized on 28th April 2022. Our students have participated in Presentations, Projects and Essay competitions. · Efforts are being taken by IRC to send our students abroad to participate in Training programs and conferences.</p>
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### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Electoral Literacy Club (ELC) has been set up in the College and Prof. S. M. Kulkarni is the faculty coordinator (nodal officer) for this club.
2. Whether students’ co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	The ELC of the college is functional and students’ co-ordinator and co-ordinating faculty members are appointed by the College.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The institute has organized Voters’ registration and awareness camp on 20th and 21st July 2017. The main objective of awareness program was to increase voters’ registration and voting sense of the voters to make democracy more powerful. For this program, the team from Election Commission of India, Aurangabad was present. They guided the students how young generation plays an important role in today’s era of democracy.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	As per the instructions and directions of Election Commission of India, the institute has made efforts for organizing registration programs for youth and eligible first time voters. The institute has organized Voters’ registration and awareness camp on 20th and 21st July 2017. The main objective of awareness program was to increase voters’ registration and voting sense of the voters to make democracy more powerful. For this program, the team from Election Commission of India, Aurangabad was present. They

	<p>guided the students how young generation plays an important role in today's era of democracy.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The institute has taken initiatives like Voters' registration camp and Voters awareness for the students above 18 years who are yet to be enrolled as voters in the electoral roll and made them aware to register as voters. Recently on 21.04.2023, the institute has conveyed its confirmation to the govt. about its readiness to participate in the project for empowerment of Election Literacy Board. In this project, the institute will participate along with its teams of faculty, students, faculty coordinators and student coordinators in cooperation with WORSHIP EARTH FOUNDATION in the pilot project for making awareness in the electoral literacy of the people, voting literacy among the masses and for the empowerment of Election Literacy Board.</p>

## Extended Profile

---

### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1432	930	1564	1400	1525

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 126

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
81	93	95	97	103

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
82.89	133.35	176.11	259.84	265.43

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

The institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere and follow the curriculum designed by university. Based on academic calendar of university, the institute's academic calendar is prepared and implemented. Accordingly, all academic activities are conducted throughout the year. Before commencement of each semester, meeting of all subject teachers and HODs is arranged to discuss the curriculum aspects along with course outcomes and program outcomes. The attention is given on actual practical of respective subjects. Teaching load of theory and practical for individual staff members is given well in advance. Before the commencement of the academic year, the Institution prepares and publishes 'Academic calendar' containing the relevant information regarding the teaching learning schedule (working days), various events to be organized, holidays, dates of internal examination, semester examination etc. The academic calendar also includes commencement of classes, induction program, mid semester exam, periodic class tests, seminar / project reviews, annual social gathering, term end, tentative dates of practical and theory examinations, departmental activities such as expert/guest lectures, industrial visits, workshops, STTPs and so on. Few co-curricular activities are added in the academic calendar for the overall development of the students.

As per the syllabus structure developed by the university, subjects are allotted to all respective faculties considering their choices and knowledge. Then class wise and staff wise time table is prepared and communicated to students and staff well in advance. The department follow the time table and HODs monitor effective implementation of same. As per timetable every staff member conducts the theory and practical. All faculty members prepare their notes, PPTs, e-Learning recourse materials and teaching plans as per the work load mentioned in the university syllabus and ensure completion of syllabus. The concerned staff member maintains their attendance register for conducted theory and practical. The students of every class are distributed in batches so as to get maximum practical exposure. The specimen copies of the manuals are prepared by the staff members as per list of experiments provided by University. To the maximum extent, execution of classes is focused to complete the syllabus within stipulated lectures. At the end of every month, syllabus completion review meeting is conducted and if required, extra lectures are also conducted for all students as well as for weak learner. Its record is maintained by concerned staff in the department. Continuous assessment of theory and practical as per declaration and marking scheme for every subject is followed.

The academic calendar is prepared consisting of continuous internal evaluation details and it is also



published on website of the college and displayed on notice boards of all departments. Assignments, tutorials, class tests are conducted for continuous assessment of the students. The departmental heads and the concern dean take feedback of proper implementation for better execution of all above activities. The staff maintains a course file which consists of lecture plan, course objectives, mapping of course objectives and programme objectives, notes, assignment questions, quiz questions and previous years' question papers.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 88

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### Other Upload Files

1

[View Document](#)

### 1.2.2

***Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years***

**Response:** 53.92

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
371	631	1118	1400	174

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1

*Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

#### **Response:**

Our Institution integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values, Gender Equality, Environmental Awareness, which are inseparable part of our curriculum.

**Gender Equity** The prose, poetry and other chapters in certain courses addressed issues related to gender sensitivity and equity. Additionally, our institute organizes programs on gender equality, Women Safety Program, Guidance lecture for female students

As per the directives of Maharashtra State Commission for Women, Internal Complaint Cell has been constituted for Redressal of complaints about sexual harassment. The Internal Complaint Cell is involved in prevention, prohibition and redressal of the complaints regarding sexual harassment of women employee and students and conducted awareness campaign.

**Gender Sensitization:** The college has Women Grievance Cell and Grievance Redressal Cell to provide counseling to students, promote gender equity among students and also deal with related issues of safety and security of female students, staff and faculty. Legal Awareness and Self Defense Activity is conducted to inculcate the legal awareness and to know how to defend when required. The college campus is secured with CCTV and high level security. There are separate Boys & Girls hostels (In-campus) for providing a safe environment to all students.

**Human values** Beside the syllabus, the institution organized programmes to inculcate human values in

students and staffs.

- Blood Donation Camp is regularly organized.
- Art of living and International yoga day celebration.
- NSS unit regularly arranged social and cultural activities in college.

**Professional Ethics** Ethical practices such as truthful information, facts are taught in content of syllabus and certificate courses. Career Guidance and Placement Cell organized placement activities including training, development of students, aptitude test etc. on a regular basis as per the requirements of industry. There are four subjects of which two are credit and two are audit courses related to value education, human rights, communication skill, energy and engineering environment.

The institutes always take care of inculcating Moral Values, Human Values & Professional Ethics by celebrating the days of National and International importance such as Republic day, Independence Day, and Women's day, Teacher's day etc. These celebrations nurture the moral, ethical and social values in the students. Staff members offer donations to find happiness on the face of needy little ones.

**Environment & Ecology:** The College has an integrated rain water harvesting System along with STP. The waste water is reused for gardening in the college campus. The water is also used for floor cleaning and toilet.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 98.53

#### 1.3.2.1 Number of students undertaking project work/field work / internships

Response: 1411

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 40.23

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
177	147	128	171	246

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
384	384	414	474	504

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 35.06

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
66	69	60	91	100

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

2021-22	2020-21	2019-20	2018-19	2017-18
192	207	207	243	252

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 17.68

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

Learning is made more student centric by

- A dialogic approach in teaching is consciously adopted to ensure student participation in class discussions, debates, quizzes and tours are organized to widen their knowledge base.
- Summer Internship -Students get hands on training while working in the company. e.g., For Civil Engineering, 55 students have completed the Summer Internships in 21-22.
- Collaborative learning like, project, paper and PPT presentations are encouraged so they learn to work in team. Four faculty members and eighteen students have participated in “Energy Conclave on E-mobility Eco System” on 29-04-2022 and 30-04-2022.
- Independent learning is focused on students to do assignments that aim towards student-centric learning.
- Seminars, workshops, lectures by experts are organized so that students get exposed to the existing expertise in various fields. NPTEL - Soft Skills Training Program was conducted from 28th January to 7th February 2022 for the students to make them industry ready.
- Extensive bibliographies and reading materials are given to students to enrich their understanding of the text.
- Foreign Language and IELTS coaching is initiated by our International Relations Cell. Two batches of N-5 Japanese Level and one batch of IELTS are executed successfully.
- An International Event on “Environmental Issues and Education System” was organized on 28th April 2022. Our students have participated in Presentations, Projects and Essay competitions.
- Efforts are being taken by IRC to send our students abroad to participate in Training programs and conferences.
- Project works are suitably integrated into the curriculum for student qualitative learning process.
- Socially relevant individual Mini and Final Year projects involving fabrication and testing are encouraged among students to get best practices as required in industry.
- The College subscribes to International and National Journals and students are encouraged to access all the facilities in the library including on-line journals through K-hub, NDL, Del Net.
- Alumni are invited for guest lecturers to share their practical experiences with the students.
- Japanese Language and German Language coaching is initiated by our International Relations Cell.
- Workshop on Assembly programming on Robotics Kit was executed on 06-03-2020. 67 students have participated in this workshop.
- A certificate course “Ready Engineers”, based on Design Engineering Domain and CAD tools, is introduced in 2018-19.
- Auto Cad course consisting of Drafting, 2D Drawing and 3D Drawing is started in 2018-19.

Collaborative learning like, project, paper and PPT presentations are encouraged so they learn to work in team. Department of Electrical engineering of P. E. S. College of Engineering, Aurangabad has organized the Energy Conclave on E-Vehicles, Future of Smart Cities and Clean Environment on 16th Feb 2018 at our institute in association with CMIA (Chamber of Marathwada Industries and Agriculture). For this conclave around 251 Students (126 Students from other colleges and 125 students from PESCOE Aurangabad), 37 Industry People and around 51 Academicians (26 Faculty from Other institute and 25 Faculty from PES) attended this Conclave.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Percentage of full-time teachers against sanctioned posts during the last five years**

**Response:** 99.79

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
81	93	95	98	103

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 13.65

#### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
17	15	12	11	9



File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

- Academic calendar is prepared at the beginning and is made available to faculties and Students through notice-boards of the departments.
- In the beginning of the semester, planning of academics, technical and nontechnical activities are circulated to all teaching staff and students. It is mandatory to all staff to prepare teaching plan and laboratory plan for allotted subject as per course outcomes.
- Continuous internal evaluation: The process of evaluation of performance of every student is carried out by each staff with respect to the concerned subject. Weightage is given to Assignments, Class tests, Seminars, Attendance in Theory and Practical and also in the regular completion of the assigned works. These activities are designed to stimulate critical thinking, creativity and problem solving capability of the students.
- Additional activities as per the concerned subject is: quiz, surprise test, open book test, case studies, presentations, group discussion and mini projects.
- Schedule of Continuous Assessment & Mid semester Examination is given in Academic calendar in advance before commencement of session as per the University directions.
- Question paper are prepared by individual faculty/ faculty members teaching the same subject.
- Assignments and question bank are given by subject teachers.
- After Internal examination (Continuous Assessment-1 &2 and Mid semester examination) all the subject teachers display the results and solutions with marking scheme to all the students. The query of students if any will be clarified immediately by the concerned staff.
- The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to students well in advance.
- For assessment of seminars, summer internship and project, department prepares a schedule which is communicated to students.
- Students present their work or report through the PPT mode and evaluated on the basis of various

parameter set by respective department.

- For assessment of laboratory course an internal practical viva conducted by respective faculty member at the end of course.

Practical exposure to the students is of utmost importance. Aiming towards this necessity, the institute has designed a specific practical evaluation sheet meeting affiliating university criteria. Each student is assessed by faculty member based on his/her performance in a particular practical by conducting oral examination at the end of the practical. This practical evaluation system is transparent and every student signs the sheet at the end of the practical.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

*Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

#### **Response:**

Program outcomes, program specific outcomes and course outcomes for all the programs offered by the Institution are stated and displayed on website and communicated to teachers and students. Course Outcomes and Learning Outcomes depend upon the nature of the course and the subject concerned. Course outcome provides a way to articulate knowledge, skill development, good communication skills, creative thinking, discipline, inculcation of moral and ethical values, teamwork, and critical thinking to be acquired by the students during their graduation. Students are also encouraged to participate in co-curricular activities. Every department plans and conducts all activities in the light of the program outcomes and course outcomes. COs are student centric and they focus on knowledge and skills that students can demonstrate. Thus, COs are the consequential knowledge skills that the student acquires at the end of a course. Courses are designed in such a way that all the objectives are attained in the form of course outcomes. After completion of the course, students can go for higher education or choose teaching as a career in college or university. The courses also offer opportunities to students for jobs in Banking, SSC, Railway, PWD, Research and Civil services etc.

The Program outcomes, Program specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the classroom by teacher.

Subsequently, the College measures the attainment of POs, PSOs and COs by the following mechanism:

- The institute follows the Academic Calendar of the affiliated university
- All the subject teachers maintain Academic Diary in every academic year.
- The course outcomes are measured through syllabus i.e. completion of syllabus, continuous assessment (internal evaluation), setting up of question paper, evaluation and result.
- The Internal examination is analyzed and evaluated by the subject teacher.
- To ensure that students have achieved desired level of competencies at the module level.
- The Placement committee takes the review of the Students' Progression to Higher Studies and their Placement.

After measuring attainment of POs, PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students increases progressively. Besides, students' progression to higher studies i.e., from Under Graduate to Post Graduate, seems to be increasing consistently and rapidly from the last few years. In a similar way, the ratio of students' placement is also increasing.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

The Program outcomes, Program specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the classroom by teacher.

Subsequently, the College measures the attainment of POs, PSOs and COs by the following mechanism:

- The institute follows the Academic Calendar of the affiliated university
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File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 2.6.3

#### Pass percentage of Students during last five years (excluding backlog students)

**Response:** 87.76

##### 2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
348	353	285	449	250

##### 2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
363	391	302	463	401

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

2.7.1

**Online student satisfaction survey regarding teaching learning process**

**Response:** 2.92

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

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

**Response:** 44.9

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

2021-22	2020-21	2019-20	2018-19	2017-18
37.36	2.95	2.15	1.55	0.89

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

The institute is very much keen in providing the research and development environment to the staff and students. In this regard students and staff are guided and motivated and supported for taking research oriented projects, participation of students in various competitions. The students of Mech. Dept. are enrolled for TATA technologies activities for developing soft skill training. Under this activity the students from mechanical Department are participating in TIFAN - an onion harvester design and development competition conducted by John Deere (India) Company every year.

The institute has made an MOU with Aegis Technology for software training to the students and staff. In collaboration with them Apple software training lab is also developed in the CSE department.

The institution has started NPTEL CELL. Through this cell it is tried to motivate the students and staff to enrich and upgrade their knowledge with latest technology & online courses related to Engg. &

Technology.

The institute is providing full support to the staff for registering for Ph. D programs, required support for attending seminars /workshops, financial support for research paper publications, attending presenting papers in workshops seminars.

The institute has started IIP CELL to guide the staff and students for undergoing internships and training in various industries.

The institute has developed Innovation cell in collaboration with GNET to guide and motivate the students towards innovations and startups. Separate space is allocated to entrepreneurs for developing and starting their business.

The institute had made MOU with various organizations/institutes for research and development activities and sharing the knowledge.

The institute has made an MOU with Scout Edutech, Pune, Jas-Jai Professional Academy LLP, Talent Sprint for software training to the students and staff. The institute has also made an MOU with GATE Tutor to train the students for higher education Examinations.

The institute had conducted various seminars/webinars/workshops for research and development and sharing the research knowledge.

### 3.2.2

*Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

**Response:** 25

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	2	6	7	8

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 1.01

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
31	63	09	12	12

#### File Description

#### Document

Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 3.3.2

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

**Response:** 0.21

**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
04	11	07	0	04



<b>File Description</b>	<b>Document</b>
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.4 Extension Activities

#### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

It is very much important to make all the students and today's youth to be aware of the environmental pollution and degradation of human values. In this regard the school and colleges play an important role.

If the students participate & conduct various activities, their social involvement will make them socially responsible youth as well as citizen of tomorrow's India.

This is the age during which the students adopt and learn good antiquates, cultural and human values in their life. For which various activities such as celebration of yoga day, constitutional day, visits to old age homes, distribution of medicines, and clothes and food to needy/ poor people during pandemic period were arranged.

This year Blood Donation camp and Swachata Abhiyan program was conducted in the institute. Counseling and tree plantation programs were arranged to understand the importance of green environment & need of natural oxygen,

Awareness, importance and demonstration of water harvesting system implemented at our main building was given to newly admitted students.

The awareness about Importance of Energy saving is created among the students and staff by using solar energy, solar water heaters in the boys and girls' hostels.

Expert guest lecturers/webinar about energy saving and safety was conducted in the year 2021-22.

Counseling and tree plantation programs arranged to understand the importance of green environment need of natural oxygen, anti-ragging counseling sessions for students. Expert guest lecturers were

conducted for girl students for their awareness through women's cell.

Expert guest lecturers were conducted for girl students for their awareness through women's cell. The impact of such activities is that they become social responsible for swachata abhiyan, green & clean environment, trying to maintain cleanliness in the campus. Started saving water, electricity and understood the importance of water scarcity.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 3.4.2

#### **Awards and recognitions received for extension activities from government / government recognised bodies**

##### **Response:**

##### **2017-18:**

1. Grant of Patent: Dr. M.M. Dhobe – Reverse gear in motorcycle for handicapped people. Date 27.10.2017
2. Patent : Rathod Rahul Bhaulal, Dr. M.M. Dhobe – Disc type oil skimming process operating on solar and wind energy.
3. Pattern Recognition based approach for Real time recognition of Human Activities in Videos, SN Kakarwal
4. Ms. Yogita Pagar, Expert Talk at DEOGIRI INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES, Aurangabad 26.03.2018
5. Mr. Bhushan Kulkarni, Letter of Appreciation delivering expert Talk on the topic "Discrete Mathematics"

6) International Conference On Algebra, Discrete Mathematics and Applications, 09-11 Dec 2017

7) IEEE Certificate of Appreciation to Minakshi Rajput, International Conference on Advances in Communication and Computing Technology (ICACCT), 2018.

8) Prof. P. K. Ghuge, Ist International conference on New Paradigms in Engineering Technology and Management -2017

##### **2018-19**

1) Research Excellence Awards 2018 to Dr. Y. S. Pagar UGC Approved International Journal of Management Technology and Engineering.

- 2) Copyright Y. S. Pagar,
- 3) Patent Application, Minakshi Rajput- System for gender and age group identification from IRIS images, 24.08.2018
- 4) Best Paper Award, Dr. S. N. Kakarwal, 2nd International Conference on Emerging trends in science, Engineering and technology- 29-30 sept 2018.

### **2019-20**

- 1) Mentor NPTEL-Certification of appreciation Y S Pagar, July-Dec-2019.
- 2) Best faculty of the year Specific Innovations manifest in prototypes, patents etc. - Y S Pagar- CSI Mumbai Tech Next India 2019.
- 3) Y S Pagar- India Independence award 2019 with title “Young Scientist.

### **2020-21**

- 1) Certificate of grant of innovation patent- Asha Ashok Gaikwad, **Patent number:** 2020102646, 11 November 2020
- 2) Certificate of grant of innovation patent- Surekha Vishnupant Munde **Patent number:** 2020103797, 27 January 2021
- 3) Patent application publication, Surekha Vishnupant Munde Application No. 202021022020A, Publication Date 03.07.2020
- 4) Global Eminent Researcher award- Dr. Y.S. Pagar, 12.03.2021
- 5) Certificate of grant of innovation patent- Surekha Vishnupant Munde **Patent number:** 2021100060, 24 March 2021
- 6) Certificate of grant of innovation patent- Surekha Vishnupant Munde **Patent number:** 2020102394, 21 October 2020
- 7) ISTE Best Faculty Chapter Award-2020
- 8) Certificate of grant of innovation patent- Asha Ashok Gaikwad Surekha Vishnupant Munde **Patent number:** 2020102646, 11 November 2020
- 9) Internshala Internship Day 2021- PES College of Engineering- All India Rank-359 and Zonal Rank-89
- 10) Copyrights of Dr. S. N. Kakarwal SW-13795/2020, Date 07.10.2020,

11) Global Eminent Teacher Award- Dr. Varsha D. Jadhav, Date 17.03.2021

12) Best Paper Certificate – Dr. M. M. Dhobe, 22,23 Jan 2021.

### 2021-22

1) Patent – Dr. S. N. Kakarwal, 31.03.2022

2) Certificate of grant of innovation patent- Asha Ashok Gaikwad Surekha Vishnupant Munde **Patent number:** 2021102976, 19 January 2022

3) Instrumental Role as SPOC- SWAYAM-NPTEL Local Chapter, Y.S. Pagar, Jan-Dec 2021

4) Certificate of Appreciation Intellectual Property Office, Mumbai, January 29, 2022

5) Certificate of Appreciation- Dr. Vilas Kamble- SWAYAM-NPTEL Course on Deep Learning Jan-Apr 2022

6) Certificate of Appreciation- Suvarna D. Pingale - SWAYAM-NPTEL Course on Industry 4.0 and IOT. Jan-Apr 2022

7) Certificate of Appreciation- NPTEL Motivated Learner- Y. S. Pagar - SWAYAM-NPTEL Course on Industry 4.0 and IOT. July-Dec 2021

8) Certificate of Appreciation- NPTEL Discipline Star- Y. S. Pagar - SWAYAM-NPTEL Course on Industry 4.0 and IOT. July-Dec 2021

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 28

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	4	9	4	8

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response:** 74

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

#### Response:

The campus maintenance is monitored through surveillance cameras in main building, classrooms, laboratories, workshop, library, hostels, canteens etc. The college has maintenance committee that oversees the maintenance of all campus. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Adequate in - house staff is employed to maintain hygiene, cleanliness and infrastructure on the campus so as to provide friendly learning environment. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. Considering the huge infrastructure of our institute it was found necessary to deploy an external agency for the work of Housekeeping. Electrical maintenance is done in house. Maintenance engineer for civil works is appointed.

Indoor sports facility like Carom, Chess etc. and Outdoor sport facilities like Volley ball, Basketball, Cricket, handball etc. are available in Institute. The Students utilize sport facilities regularly and during annual social gathering. The sports in charge looks after the sports activities of the students. Regular maintenance of the Volley Ball court, Gymkhana and Basketball court in college premises is done by the sports in charge in consultation with the respective coaches. Indoor cultural activities are organizing in Ashoka Hall and Outdoor cultural programs are organize cultural open court yard.

#### File Description

#### Document

Upload Additional information

[View Document](#)

#### 4.1.2

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 0.06

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.15	0.42	00	00	00

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

#### Response:

- ILMS software: Lib-Man (Master soft)
- Nature of automation: Fully
- Version: VII
- Automation Year: 2005

**Library Resources are:** Books, E-books, Journals, E-Journals, Periodicals, Projects, CD ROMs', Newspapers, Recruitment Exam Books, Syllabus book etc.

#### Some of the BEST PRACTICES are:

- 1. Book Display Programme:** We organize exhibitions and book display programmes for creating awareness, interest and inculcating reading habits among students.
- 2. Orientation Programme:** Students are oriented on the library resources and library services available for maximum utilization of the library.
- 3. New Arrivals:** To make the students aware of the new arrival journals, they are displayed in the references section as well as in OPAC system.

#### The Library FACILITIES are as follows:

- 1. Circulation desk:** All the units in the Libraries are computerized. Students are given library cards for

taking the books from the library. Each student will be issued 1 card. A student can take 1 book with his/her library cards. Each book is Barcoded and scanned so that there will not be any delay in issuing the books to the students.

**2. OPAC (Online Public Access Catalogue):** Students can access this (OPAC) system to find out if the books are available in the library or not. By this the students can know the status of the books whether they are issued or on shelves.

**3. DELNET (Developing Library Network):** DELNET can directly access from the college website. It prompts to gather, stored, and present information besides offering computerized services to the users, to coordinate efforts for suitable collection development. This is a very simple method for accessing e-books & e-journals.

**4. National Digital Library of India (NDLI)** is a virtual repository of learning resources, through this educational material available from up to Postgraduate levels. Also student can access all types of resources, such as E-Books, Audio Books/Lectures, Video lectures, Lecture Presentations/Notes, Simulations, Question Papers, Solutions, etc. NDL can directly access from the college website.

**5. NDLI-Club membership:** Institute has registered for NDLI-Club membership and added maximum students and faculties of the institute. This is a platform for conducting learning-oriented events, both online and offline, for students using content from NDLI and experts to deliver talks or conduct sessions. It consists of online as well as offline events such as webinars by experts on specific topics, or examination preparation strategy, quiz sessions or debate competitions etc.

**6. Knowledge Hub (K-Hub)** --K-hub can directly access from the college website. It is a virtual library for scholars, researchers, students and faculties for their need of online resources such as e-journals, e-books, e-articles, e-newsletter, case reports, videos, conference proceedings, online sample issues on a single platform. Through K-Hub students can get information about Jobs, recent news, recent technical events and conferences.

**7. Book Bank:** Books are issued to all category students. Specially for SC and ST category students Book Bank facility provided free of cost for the entire semester.

*The institution has subscription for e-resources such as e-journals, Shodhganga Membership, e-books and Databases.*

**Annual expenditure (in Rupees)** for purchase of books/e-books and subscription to journals/e- journals for the years 2021-22, 2020-21, 2019-20, 2018-19 and 2017-18 are: Rs. 11197190 /-, 11203111 /-, 11172118 /-, 11,41176 /- and 10589599 /- respectively.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>



## 4.3 IT Infrastructure

### 4.3.1

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

With the increasing demand for internet access in educational campuses due to evolving standard of education and flexibility offered by the Internet - universities, colleges, educational institutes etc., are keenly stepping forward to setup secured and stable wired or Wi-Fi network campus for their students.

Current status of IT Facilities including Wi-Fi is as follows:

1. PCs/Laptop available for students is 407 in numbers. These PCs are reserved only for students.
2. Number of PCs/Laptop in Language Lab: **20**
3. Number of Legal System Software: **03**
4. Number of Legal Application Software: **20**
5. Number of Open Source Software: **20**
6. Printers Available for Students: **19**
7. PCs/Laptop available for Faculty Members: **32**
8. Number of PCs/Laptop available in Library: **12**
9. Number of A1 size color Printers: **1**
10. Number of PCs/Laptop available in Administrative Office: **17**
11. Apple Lab having **20** Mac Mini.
12. Sonic Firewall with three Year license.
13. SonicWALL Analytics Software with Antivirus for Monitoring.
14. PTZ Camera for CCTV footage & **360°** Campus Monitoring.
15. Developed New Computer Lab with High Configuration with Graphics Card:**20**

16. Started Bio-Metric after COVID-19.

In this way our entire college IT infrastructure is well equipped with advanced PCs and updated Software's.

***Available Bandwidth of internet connection in the Institution is 300 MBPS which is sufficient.***

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.3.2

**Student – Computer ratio (Data for the latest completed academic year)**

**Response:** 3.52

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 407

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

### 4.4.1

***Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)***

**Response:** 6.06

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

2021-22	2020-21	2019-20	2018-19	2017-18
11.50	20.10	0.56	11.97	11.48

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 95.15

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1431	1308	1314	1319	1147

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

**Response:** C. 2 of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.3

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 74.25

**5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
678	746	1563	1000	1100

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

*The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases*

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** B. 3 of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 38.04

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
91	95	104	116	235

**5.2.1.2 Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
348	342	272	240	235

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 0.88

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	6	0	0	1

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

### 5.3.1

**Number of awards/medals for outstanding performance in sports/ cultural activities at University /**

state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 11

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*

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	3	5	3

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.3.2

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

Response: 2.8

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	6	3	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1



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

**Response:**

Registration number: 0222025 The Alumni association of P.E.S. College of Engineering is a registered organization. The association is progressing its work for the development of the college. The president of the alumni association is Mr. Pritam Gugle, Seceretary is Dr. Varsha D. Jadhav, Treasure is Mr. Prashant Pandit with committee members Mr. Mangesh Niturkar, Mr. Mangesh Kachole, Mr. Sachin Borse, Ms. Priti Ghuge ,Mr. Dilip Rathod, Mr. Amit Paikrao. In collaboration with the institute, the Alumni Association of the P.E.S. College of Engineering works to connect alumni, support students. The mission of the Association is to foster strong bonds between alumni, students and the Institute, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the Associations programmes and services.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

**Response:**

**Vision:**

To create sound technical manpower with global competitiveness, morality and social sense.

**Mission:**

- To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
- To provide an embellished academic and congenial environment to students for complete learning experience.
- To promote intellectual, moral and social democracy to ensure all-round development of the students.

Top management provides academic leadership to faculty in decision making bodies of institution. The Principal is academic and administrative head of College including IQAC. Deans are appointed for UG and PG academics, R&D, Student Welfare, Industry Institute Interactions, International Relation Cell, IQAC, Infrastructure, Examinations. The HODs are involved in decision-making process at all levels. Faculty coordinators are part of the decision making with respect to particular portfolio. Management always supports all suggestions for improvement and created healthy work culture and atmosphere.

All academic and administrative activities are decentralized and decisions are taken based on discussions. Deans control the respective activities. HODs are given authority and responsibility to complete desired academic task within the stipulated time. Faculty members are actively involved in finalization of teaching plan, seminars, projects and academic activities.

Institute promotes a culture of participative management which enables staff and students to give their opinions and suggestions for improvement. HOD's and Deans manage overall academic and support activities. Staff members are involved in various academic committees and participate in industrial visits, In-plant training, STTPs for students, foreign language coaching and IELTS coaching. The teaching and supporting staff participate in co-curricular activities as various event in-charge.

As an example, to get acquainted with industrial work, In-plant training activity is initiated as a regular practice in all the departments in decentralized manner. Each departmental HOD along with his faculty

plans and monitors this activity which includes selection of appropriate industry, communication with industry officials, allotting a group of students to each industry and all further related procedures. This training is carried out for all the students from first to third year in summer vacations for one month, and for final year students for five months in the last semester.

Progressive assessment of this training is carried out by the respective coordinators and final assessment is carried out by senior staff members and HOD. Thus all faculty and staff are involved and participated to conduct an activity.

e.g. Unit tests as a part of continuous internal evaluation are conducted in decentralized manner at each departmental level. Each departmental HOD along with his faculty plans and monitors this exam at departmental level. Each department takes care of this activity including completion of syllabus, preparation and display of time table for exam, preparation of question papers, invigilation duties, collection of answer papers at coordinator level, distribution of answer papers to subject teacher for assessment, declaration and display of result. Thus all faculty and staff are involved and participated to conduct an activity.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### **Response:**

The PES governing body and BOG guides the general administration of the college towards the achievement of the Vision and Mission. Principal is the head of both the academic and administrative bodies including IQAC. He plans and coordinates all the academic and administrative activities in coordination with various Deans and HODs. Deans plan, monitor and implement their particular portfolio under the supervision of Principal. HODs are responsible for the overall functioning of the department. All departmental coordinators are responsible for their concerned portfolio of the department under the monitoring and guidelines of HODs. The faculty members and supporting staff discharge all the duties and responsibilities assigned by the Principal, Dean and Head of the department from time to time. Registrar looks after the administrative aspects of the institute

Librarian along with his supporting staff is responsible for providing learning resources in terms of book bank facility, e-Journals, magazines etc.

As per the strategic plan, the Apple Lab is established and activated in the institute in collaboration with AGS InfoTech Pune. Under this collaborative platform the MoU is signed between PESCOE & AGS

InfoTech Pune and agreed upon to train faculties to be an Apple Certified Trainer.

This perspective led to training of two months, which included Swift language programming and iOS App Development and subsequent examination. Two of our faculty members have succeeded through all these processes strategically planned and earned Apple certification badge.

It was also planned to give training to our students of Swift language programming and iOS App Development, and make them well verse with strong iOS App Developer background so as to be placed in various industries for bright future.

As per the above perspective, orientation for 84 students is carried out in phase-1 and training will commence from 01/09/2022.

Subsequently, many of the aspiring students will be trained in this emerging field and bring laurels to the Institute.

The incubation center is established in 2020-21 and activated in the institute in collaboration with Global Innovators & Entrepreneurs Network (GIENET). The various companies which are intending to put in the GIENET incubation are:

- Autospatial Private Limited: Robotic Parking
- WAPARKING Private Limited: Surface Parking
- BVG Agro: Agricultural Product
- PAYTM: Fintech
- Mondragon Team Academy: Travelling University
- Other Companies: Small Tech Companies

We are also collaborating with Pegases Funds from Mumbai which is backed up by Hiranandani Group. Under this incubation collaboration, the MoU is signed between PESCOE & One Smarter Inc. USA and agreed upon to develop software development center and to provide internships, live projects and placements to students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.2.2*****Institution implements e-governance in its operations***

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3 Faculty Empowerment Strategies****6.3.1**

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

The institution takes care of providing effective welfare measures for teaching and non-teaching staff for their growth which are listed below:

- Sabbatical leave for Ph.D. programmes and industrial training.
- On-duty facility for pursuing Ph.D. and to attend training programmes
- Provident fund (P.F.) facility is provided to all, including the non-teaching and temporary staff.
- Gratuity are provided to all the regular staff.
- Accidental insurance is provided to all teaching and non-teaching staff.
- Maternity leave with salary.
- Provision of 25% fees relaxation to the wards of the employees.
- Salaries are paid as per Government norms from time to time.
- Faculty members are also encouraged to pursue higher studies through study leave, flexibility in

workload and timing, extension of laboratory, internet and library facilities.

- Non-teaching staff are given facility to undergo further studies.
- Management honors teachers who excel in academic performance; takes care of their general welfare.
- The release of annual increments, as per norms.
- Promotions are done on the basis of the performance. (This year, the procedure of career advancement is carried out as per PBAS, and promotions of eligible staff members are done)

The faculty members are enabled to participate in and make use of UGC and AICTE sponsored quality improvement programmes, conferences and seminars in the area of specialization, Industrial training, Conceptual understanding sessions, Industrial visits, Faculty development programmes etc.

Annual staff performance assessment through a neatly designed appraisal report is obtained from every staff member. It is verified and certified by the Head of the Department and submitted to the Principal. Assessment of the Deans and HODs is done by the Principal. The Management assesses the performance of the Principal.

The self-performance assessment reports and confidential reports of particular staff whether teaching or non-teaching is checked and endorsed by the head of the department and head of the admin for admin staff. Those self-appraisal and confidential reports endorsed by head of the department/ head of the admin is to be submitted to the Principal. The Principal critically examines and studies those reports and finalizes the final grade of the particular teaching or non-teaching staff depending upon the remarks of head of the department/ head of the admin. All such reports finalized by the Principal are put in front of the management for their supervisory control over the performance of the staff. The outcome of the review of performance appraisal and confidential reports by the management are: release of annual increments as per norms and promotions of the staff on the basis of the performance. This is done for all the years from 2017-18 to 2021-22.

### 6.3.2

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

**Response:** 6.82

**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**

2021-22	2020-21	2019-20	2018-19	2017-18
15	2	6	9	0

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>

**6.3.3**

*Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

**Response:** 19.1

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
24	36	65	0	19

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
57	57	57	57	57

<b>File Description</b>	<b>Document</b>
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

**Mobilization of Funds**, the student tuition fee is the major source of income for the institute.

Resource Mobilization Policy and Procedure includes following:

- The departments submit annual budget of their department to the Principal.
- Annual budgeting is done by the Principal.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- It includes planned expenses such as lab equipment purchases, furniture, and other development Expenses.
- The annual budget is scrutinized and sanctioned by the Governing Body of the People's Education Society.
- Accounts department monitor whether expenses are exceeding budget provision.
- All the expenditures are done as per the provisions of the sanctioned budget.

Optimal utilization of resources pertains to prime considerations like:

- The institute aims at promoting research, development, consultancy and such other activities, involving the faculty at various levels
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on availability of funds.
- The institute infrastructure is utilized as an examination center for Government examinations/University Examinations.

The optimal utilization is ensured through encouraging innovative teaching-learning practices.

The accounts of People's Education Society's(Mumbai) P.E.S. College of Engineering, Nagsenvana, Aurangabad, are regularly audited by our auditors since its inception. The audit of all the five financial years from 2017-2018 to 2021-2022 were conducted by M/s Bholane Shilawant Co., Chartered Accountants, Aurangabad. Since, our students are availing various Government of India scholarship schemes, it is mandatory on our part to audit the college accounts regularly. Also we have to submit our accounts duly audited to Fees Regulatory Authority, our Management etc. Hence, we regularly audit our accounts, every financial year.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### Response:

IQAC plans, initiates and implements some academic quality initiatives and practices in institute.

Faculty Training Program was organized under EduSkills on following topics.

- Robotic Process Automation: Blue Prism
- Cyber Security: Vulnerability Assessment and Penetration Testing
- Security Operations Fundamentals
- Cloud Security Fundamentals
- Cyber Security Foundation
- Network Security Fundamentals.

The faculty were trained in these areas and appeared and successfully passed the exam titled “Palo Alto Networks Certified Cyber Security Entry Level Technician”. Due to this training, they were trained with successful completion of certification in the areas of Cyber Security, Security Operations and Network Security.

The faculty completed Foundation Educator Training successfully as part of Blue Prism Academia Program in the field of Robotic Process Automation. The outcome of this practice pertains to the conduction of Blue Prism Foundation Training Program for the students of all branches of the institute. In this practice, well trained successful faculty provided training to the students. The objectives of this training was to make students aware (1) with software tools available in blue prism studio for implementing software robot used for automation of process, (2) for career opportunities in RPA field. The students successfully awarded RPA Foundation Training Certificate.

In the year 2019-20, we have initiated and designed a Soft-Skill training module for all the students. We have started a program named as Project Light House which is learning cum Employment program run

by One Smarter Inc. USA.

Also, to make students ready at the base level for their further education in foreign countries the training program of German and Japanese language have been started in the college. Accordingly, appointment of concern tutors has been carried out. The training program of this two languages are running presently and will be helpful to strengthen their career growth.

Frequency of feedback collection from stakeholders is increased. Proper measures of its analysis have been carried out with modifications and corrective measures are being taken rigorously. To make students ready at the base level for their further education in foreign countries the training program of German and Japanese language is planned in 2018-19. Accordingly, appointment of concern tutors has been carried out.

During the year 2017-18, Faculty is participating in syllabus design of Dr. Babasaheb Ambedkar Marathwada University and Dr. B. A. T. University, Lonere. At the time of faculty orientation program suggestions are given. Suggestions are taken from all the stake holders and appropriate suggestions are communicated to the BOS chairman for necessary amendments in the syllabus.

Various works shops are conducted to bridge the gap between industry & Syllabus.

1. Training on Red hat Certification (No of Participant:38)
2. Training on Spoken Tutorial (No of Participant:61)
3. Software Value Added Courses for Students Auto Cad, Creo, Robotics Training through e-yantra (No of Participant: 30)

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5.2

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** A. Any 4 or more of the above

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

Our institute has a gender sensitization action plan and has established a Women's Grievance Cell with the objectives of redressing the grievances of the students and the staff, of any sort related to women. We have formed an Anti-sexual harassment committee since 2014. we regularly conduct Workshops / seminars to create awareness about sexual harassment among the faculty, non-teaching staff and students. The aim is to develop a non-threatening and non-intimidating atmosphere of mutual learning. The committee members do counsel to the students. Confidential counseling is also provided by our institute to victim girls if any. Girl students feel free and safe to speak with the members about their issues. Institutes provides required facilities to lead women faculties and girl students in a correct and hygienic path by providing safe and secured class rooms, laboratories and entire campus, ladies common room and rest room.

Women cells formed has Organized an online workshop regarding the use of Sanitary Napkin Disposal Machine" to create awareness among the ladies' staff and girls' students at workplace. All the girl students and lady's faculty took the responsibility of utilizing the "Sanitary Napkin Disposal Machine" to make sure Hygiene and maintain surroundings clean.

The "Internal Complaints Committee" is formed for Gender Sensitization and overall development and empowerment of women and to give justice. Women's day is celebrated at Institute level. We regularly conduct Workshops / seminars to create awareness about sexual harassment among the faculty, non-teaching staff and students.

The summary for the Gender Equity Program (Number of gender equity promotion programs organized by the institution during the year 2019-20)

1. Participated in "Night Walk" arranged by the "Dainik Divya Marathi" in Aurangabad dated 22/12/2019. Total 100 (50 male + 50 female) number of students participated in this activity.
2. Arranged Workshop on 'The Gender Equality and Women's Empowerment' on 11/03/2020 for which 150 females and 50 male students were the participants.

· Following is the summary for the Gender Equity Program (Number of gender equity promotion programs organized by the institution during the year 2018-19)

1. The Self Defense Activity under "MISSION SAHASI" Project is organized and conducted on

17th of October 2018 in institute campus. Total 70 number of girls students participated in this activity.

2. A Nation-wide competition on “**Laws Related to Women**” in association with “**National Commission for Women**” was successfully organized on 28th November 2018. The total number of participants were 110 (41 females and 59 male)

3. The Celebration of “International Women's Day-2019” is done on 8th of March 2019 and total 94 female students were participants in the celebration.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2

**The Institution has facilities and initiatives for**

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>

### 7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

- 1. Green audit / Environment audit**
- 2. Energy audit**

**3. Clean and green campus initiatives****4. Beyond the campus environmental promotion activities****Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.4**

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

PES College of engineering maintains the diversity in the student profile to inculcate the all-round education. Admission policy is as per the government norms and All admissions are carried out through government CAP rounds only.

Reservations of seats and scholarships apply to SC, ST, OBC, physically challenged category. Affordable fees structure for all students is charged for quality technical education. This allows education to all including economically challenged students and students from oppressed class of the society. Special concession in fees is given by the institute to the needy students having very poor economic condition. The institute and the faculty members work sincerely and honestly to cater the needs of the first-generation learners.

The institute gives equal opportunity to all students and faculties, irrespective of religion, caste and gender to learn, educate and progress.

Basic moral religious techniques along with cultural programs are arranged to promote harmony and happiness at workplace. Various programs are arranged such as Yoga, Tree plantation, Blood donation camps, Swachhata abhiyan, Visit and help to 'Vridhashrams', 18 hours continuous study program and Covid care center as well as food donations during the pandemic. The active participation of students and faculties in such activities helps to inculcate inclusive education.

To concur the title, our institute have taken an initiative to address locational advantages and disadvantages and to engage with and contribute to local community. The details of initiatives undertaken such as “Visit to Ghati and social contribution towards society”: Visit to nearby Government Hospital to understand the various treatment services provided in Hospital, to aware students about their role for society as an Engineer and Distribution of Medical Kit to needy people. The initiative drive happened on 25/08/2019 along with the 30 number of participants.

The institution belongs to the P.E.Society,(Mumbai) founded by Bharat Ratna Dr. Babasaheb Ambedkar who is the father of Indian Constitution. We inculcate the values and culture so that our students turn out to be a true citizen of the country. Institution conducts various programs to sensitize students and faculties towards the values, duties, rights and responsibilities of citizens. The institution celebrates Independence Day, Republic Day, Samvidhan Din (Constitution Day). On the occasion of constitution day institute use to conduct awareness programs and competitions based on the constitution, but due to pandemic, during Covid years we recited the pledge of the constitution. Students and faculties take active participation in these celebrations. For personality development, art of living program is arranged for the students and staff.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

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

**Response:**

**Practice (I)**

**1. Title of the Practice:** Hybrid teaching-learning 3.0

Teaching Learning process through offline lectures and through virtual classes with the help of ICT enabled tools.

**2. Objectives of the Practice:**

To enhance teaching learning process carried out for the in-depth education.

To carry out teaching learning process in all situations and circumstances.

**3. The Context:**

The institute has adapted the practice of teaching the students in actual classrooms (offline) as well as through online teaching along with the various ICT enabled tools including video lectures and NPTEL courses material. In addition to regular teaching the course material, notes, videos are provided to the students. Even the faculties are encouraged and motivated for higher education.

Institute carried out education successfully with the help of ICT tools.

#### **4. The Practice:**

Teaching faculty adapted and got well acquainted with the virtual teaching system by using the blend of or either of the following techniques.

1. Use of digital notepad in online/virtual class.
2. Use of Google Classroom, Google Meet, Google form, Cisco WebEx, OBS studio.
3. Use Of Audio/Video lectures with PPT. and video lectures from NPTEL.
4. Use of virtual lab, YouTube.
5. Use of ICT enabled smart classroom for live streaming of lectures

#### **5. Evidence of Success:**

Effective teaching was carried out throughout the year. Students who could not attend the lectures at institute level, have availed online teaching learning facility and excelled in university examination. Result is almost 100%. Every year 2 to 3 faculty acquire the Ph. D. Degree in appropriate branch.

#### **6. Problems Encountered and Resources Required:**

Non availability of internet facility to the students at remote places. Keeping in view such students, faculty have prepared video lectures and made available to the students.

#### **7. Notes (Optional):**

To conduct online lectures, we have faced few problems for which feasible solutions are offered by the institute. online lectures are conducted by the faculty from home also.

As many students are belonging from financial weak background and rural areas where internet facility was not available up to the mark.

We have prepared video lectures, which are provided to the students.

When few students could not attend the offline lectures because of their personal reasons. We use to conduct offline lectures in the class which are live streamed.

Sincere efforts are made by all the faculties to continue teaching in all situations. Efforts taken resulted in very good results in university examination and successful completion of the program of final year students.



## **Practice (II)**

### **1. Title of the Practice:**

Hands-on training & practice for students through Maintenance & repair activities of Utilities & facilities, done at the Institute for CSE, Civil & Electrical Departments.

### **2. Objectives of the Practice:**

To spark the curiosity of learning & discovering through examples of daily applications & amenities.

To heighten & enhance the overall perspective of concepts & Engineering products.

To provide training by the experts from industry at our institute and make the students employable.

### **3. The Context:**

Electrical Department curate's platforms of learning through Maintenance of various appliances, services and facilities by its trained personnel. Simultaneously, real-time instructions are given to students to perceive theory with practical. Students are demonstrated viable strategies of troubleshooting & maintenance, and at the same time, given the opportunity to carry out guided repairing & fixing of items & services.

### **4. The Practice:**

The Trained Staff & personnel have expertise and technical know-how of handling various devices and malfunctioning of services / devices. The students are made aware with IS rules, safety norms and maintenance work. Students take active participation in the actual repair and maintenance work carried out at Institute level. Electrical circuit design along with the switchgear and protection, actual wiring work is carried out at department level. Training is given to the students regarding the following,

1. Use of handy toolkits and demos of their usage,
2. Use of Precautionary instructions, Dos and Don'ts and Safety norms to be followed,
3. Use of Instructional Material covering basics of a concept
4. Use of Pictorial representations for better understanding.

Also streamlining the concepts by clarifying the applications and relevance of the activities is being carried out.

### **5. Evidence of Success:**

Students become receptive to an interactive & riveting learning environment which is apparently being done through this practice. enhancement in learning is observed

### **6. Problems Encountered and Resources Required:**

Students come with a lot of pre-conceived notions & theoretical concepts about how Engineering Stuff works which are erroneous and faulty. As such, they have difficulty grasping the live rectifying

operations being done on dysfunctional/repair-worthy instruments.

### 7. Notes (Optional):

It has been observed that students have been ingrained with a very rote and mechanical method of learning. When it comes to implementing their learning, their performance is very disappointing. The underlying cause behind this lack of ability is lack of proper skills and know-how which should be inculcated during practical or lab sessions in their education.

To overcome this flaw, the best practice of integrating real-life problems and their feasible solutions has been implemented by the Electrical Department, Computer Department by taking issues faced in daily life at an Institute level.

This helps the students to upgrade their skills and take initiatives in solving practical problems relating to engineering products and services, which are vetted by Authorized personnel before interfacing them with students.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

#### Response:

The Institute has a long-standing academic record and imparting Engineering education from the last 27 years with vision and mission as:

#### Vision:

To create sound technical manpower with global competitiveness, morality and social sense.

#### Mission:

- To provide the state-of-art technical infrastructure and motivate students to realize their own potential.
- To provide an embellished academic and congenial environment to students for complete learning experience.
- To promote intellectual, moral and social democracy to ensure all-round development of the students.

The People's Education Society's objective is not merely to give Education, but to give education in such a manner as to promote Intellectual, Moral and Social Democracy. This is what modern India needs and this what all well-wishers of India must promote.

Since it is one of the oldest Engineering Institutes in region where there are not many colleges offering technical courses, it is sought-after by students in the entire region, many of whom come from financially weak background.

The Institute caters to providing state-of-the-art education at fairly feasible rates to such students whose guardians either come from Economically Weaker Sections or rural areas or agricultural or uneducated backgrounds or oppressed class of the society.

Apparently, most of the students avail Scholarships of one or the other form which includes GOI, EBC, TFWS, SC/ST, Minority (Central & State), and the scholarships from various philanthropic organizations. The Institute adheres by its principle to provide holistic education to these students at an affordable price.

The academic profile has been developed & built-up over the years by dynamic faculty members with a proven scholastic track-record.

The teaching learning system is developed in such a manner that each and every student should be able to understand thoroughly.

The distinctiveness of the Institute lies in providing modern & advanced Engineering Education with flexible Pedagogical Practices to children of cash-strapped families at a cost-effective price. Methodology has been so structured that it caters over all education to each student.

Industries at Institution: The institute is trying to call the industries in the campus with their setups, Few Industries have shown the Interest for Training the students and few have shown the Interest for their set up

Promoting the students to reach at a higher level in their chosen field is our motto. Accordingly, we have initiated and designed a Soft-Skill training module for all the students This guidance and mentoring help the students to develop their soft-skills in all the dimensions. We promote social activities and support various events for society. As per our vision we motivate the students towards morality and social democracy, to ensure all round development of the students. We regularly conduct such activities in our institute like visit to orphanage center and old age home, Rally related to current and pinching issues, street plays to give important messages to the public. Birth anniversary of our emancipator Dr. Babasaheb Ambedkar is celebrated in our institute. As per our vision and mission to create sound technical manpower with global competitiveness, 18 hours Study Program is conducted at our campus. This promotes learning habit of the students, there by motivating them towards intellectual democracy.

The institute ensures effective curriculum delivery through a well-planned and documented process. Faculties of the institute participate in various activities related to curriculum development, assessment of the affiliating University and are represented on academic bodies like Academic Council / BoS of Affiliating University. For enhancing learning experiences, student centric methods, such as experiential and participative learning are used, and problem solving methodologies are also used through projects, mini projects, case studies etc. The use of ICT in the class room is provided and teachers use ICT

enabled tools for effective teaching-learning process. The institute is very much keen in providing the research and development environment to the staff and students. In this regard students and staff are guided and motivated and supported for taking research oriented projects, participation of students in various competitions. The Institution has adequate infrastructure and physical facilities for teaching-learning. Dean Infrastructure is appointed to look after the infrastructure and learning resources of the institute. The Institute has adequate facilities for cultural activities, indoor and outdoor games etc. The institute have its IT facilities including Wi-Fi and it is updated time to time as per requirement. The systems and procedures are established for maintaining and utilizing physical, academic and support facilities like laboratory, library, sports complex, computers, classrooms etc. As a process of monitoring, the students learning difficulties and progress are monitored and they are guided for examination, learning and career development. The institute carries out Capacity building and skills enhancement initiatives for the students such as Soft skills, Life skills (Yoga, physical fitness, health and hygiene) and ICT/computing skills. The students are given opportunity to represent and engage in various administrative, co-curricular and extracurricular activities. All academic and administrative activities are decentralized and decisions are taken based on discussions. The governance of the institution is reflective of and in tune with the vision and mission of the institution. It is very much in the line with the thoughts and vision of the great leader, Bharatratna Dr. Babasaheb Ambedkar, and dedicated to establish, nurture and develop world class institutions of education, for the downtrodden and needy class of the society. The e-governance is implemented in the areas of operation such as Administration, Finance and Accounts, Student Admission and Support, Examination etc. The institute takes efforts to organize professional development /administrative training programmes for teaching and non-teaching staff. The teachers are also motivated to undergo online/face-to-face Faculty development Programmes (FDP), Professional Development Programmes, Orientation / Induction Programmes, STTP etc. Our institute has gender sensitization action plan and has established Women's Grievance Cell with objectives of redressing the grievances of the students and staff, of any sort related to women. The Institute has facilities for alternate sources of energy and energy conservation measures. Institute is consistently taking efforts to inculcate Human Values and Professional Ethics in the students and employees to know constitutional obligations like values, rights, duties and responsibilities of citizens.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

The People's Education Society (Mumbai), was founded by the great visionary **Bodhisattva Bharatratna Dr. Babasaheb Ambedkar**, in Mumbai in the year 1945. The society has its with its expansion in the three states in the form of number of schools and colleges at Mumbai, Pune, Mahad, Nanded, Pandharpur, Aurangabad, Vashi, and Kolhapur in the state of Maharashtra, Bengaluru in Karnataka and Bodh Gaya in Bihar.

The Society has established its Engineering College at Aurangabad (M.S) in the year 1994, followed by Polytechnic College at Aurangabad. The P.E.S. College of Engineering has played a very significant role in upbringing of the students from every walk of the society to fulfill the requirements of the industries, not only in India but abroad too. The institute follows the all norms of the regulating bodies inclusive of the salary and other benefits. The institute runs totally as per the government norms and regulation. Every member of the institute follows the philosophy of the great leader and implements their thought in spirit and actions. The institute follows the Buddha worship before every activity also set up in the institute so as to offer quality education to the aspirant. The institute has state-of-art of facilities and the academic of the institute is solely based upon the steps paved by Hon. Dr. Babasaheb Ambedkar.

### **Concluding Remarks :**

The intake capacity of the PES College of Engineering is 330 and offers Full Time Regular four years Undergraduate B. Tech. Courses in Mechanical & Automation Engineering, Civil Engineering, Electrical Engineering, Electronics & Computer Engineering, Computer Science and Engineering, Computer Science & Engineering (Data Science). The institute offers Post Graduate M. Tech. Courses in Civil Engineering (Structures), Electrical Power Systems and Computer Science. The institute has set high standards in Curricular, Co-Curricular & Extra Curricular activities. We follow defined Student-Staff Ratio, specified Student Computer Ratio, Digital Library and good Industry- Institution Interaction. The institute follows outcome based education system and follow national and international standards.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p><b>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</b></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :88</p> <p>Remark : DVV has made changes as per the report shared by HEI.</p>																				
1.2.2	<p><b><i>Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</i></b></p> <p>1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>371</td> <td>631</td> <td>1218</td> <td>1356</td> <td>174</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>371</td> <td>631</td> <td>1118</td> <td>1400</td> <td>174</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	371	631	1218	1356	174	2021-22	2020-21	2019-20	2018-19	2017-18	371	631	1118	1400	174
2021-22	2020-21	2019-20	2018-19	2017-18																	
371	631	1218	1356	174																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
371	631	1118	1400	174																	
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p>1.3.2.1. <b>Number of students undertaking project work/field work / internships</b></p> <p>Answer before DVV Verification : 1166</p> <p>Answer after DVV Verification: 1411</p> <p>Remark : DVV has made changes as per the report shared by HEI.</p>																				
2.1.1	<p><b>Enrolment percentage</b></p> <p>2.1.1.1. <b>Number of seats filled year wise during last five years (Only first year admissions to be considered)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18															
2021-22	2020-21	2019-20	2018-19	2017-18																	

177	151	145	172	270
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
177	147	128	171	246

**2.1.1.2. Number of sanctioned seats year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
384	414	414	474	444

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
384	384	414	474	504

Remark : DVV has made changes as per the report shared HEI.

2.1.2

***Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years***

**2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
107	96	87	117	136

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
66	69	60	91	100

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
192	207	207	237	222

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
192	207	207	243	252

Remark : DVV has made changes as per the report shared by HEI.

**2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)**

**2.4.2.1. Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
19	15	12	11	9

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
17	15	12	11	9

Remark : DVV has made changes as per the report shared HEI.

**2.6.3 Pass percentage of Students during last five years (excluding backlog students)**

**2.6.3.1. Number of final year students who passed the university examination year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
348	353	285	449	250

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
348	353	285	449	250

**2.6.3.2. Number of final year students who appeared for the university examination year-wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
363	391	302	492	417

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
363	391	302	463	401

Remark : DVV has made necessary changes.



3.1.1	<p><b>Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)</b></p> <p><b>3.1.1.1. Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>34.57</td> <td>2.95</td> <td>2.15</td> <td>1.55</td> <td>12.18</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>37.36</td> <td>2.95</td> <td>2.15</td> <td>1.55</td> <td>0.89</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	34.57	2.95	2.15	1.55	12.18	2021-22	2020-21	2019-20	2018-19	2017-18	37.36	2.95	2.15	1.55	0.89
2021-22	2020-21	2019-20	2018-19	2017-18																	
34.57	2.95	2.15	1.55	12.18																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
37.36	2.95	2.15	1.55	0.89																	
3.3.1	<p><b>Number of research papers published per teacher in the Journals notified on UGC care list during the last five years</b></p> <p><b>3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1095 1046 1229"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>32</td> <td>63</td> <td>62</td> <td>71</td> <td>32</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1308 1046 1442"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>63</td> <td>09</td> <td>12</td> <td>12</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	32	63	62	71	32	2021-22	2020-21	2019-20	2018-19	2017-18	31	63	09	12	12
2021-22	2020-21	2019-20	2018-19	2017-18																	
32	63	62	71	32																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
31	63	09	12	12																	
3.3.2	<p><b>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</b></p> <p><b>3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1800 1046 1935"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>14</td> <td>20</td> <td>17</td> <td>19</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 2013 1046 2092"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	7	14	20	17	19	2021-22	2020-21	2019-20	2018-19	2017-18					
2021-22	2020-21	2019-20	2018-19	2017-18																	
7	14	20	17	19																	
2021-22	2020-21	2019-20	2018-19	2017-18																	

04	11	07	0	04
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Remark : DVV has made changes as per the report shared by HEI.

3.4.3 ***Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.***

**3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	4	9	5	8

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	4	9	4	8

Remark : DVV has made changes as per the report shared by HEI.

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification :

Answer After DVV Verification :74

Remark : DVV has made changes as per the report shared by HEI.

4.1.2 ***Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years***

**4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
35.40	34.95	4.5	82.80	112.85

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0.15	0.42	00	00	00

Remark : DVV has made changes as per the report shared HEI.

4.4.1	<p><b>Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)</b></p> <p>4.4.1.1. <b>Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 430 1046 564"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>35.40</td> <td>34.95</td> <td>4.5</td> <td>82.80</td> <td>112.85</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 645 1046 779"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>11.50</td> <td>20.10</td> <td>0.56</td> <td>11.97</td> <td>11.48</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	35.40	34.95	4.5	82.80	112.85	2021-22	2020-21	2019-20	2018-19	2017-18	11.50	20.10	0.56	11.97	11.48
2021-22	2020-21	2019-20	2018-19	2017-18																	
35.40	34.95	4.5	82.80	112.85																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
11.50	20.10	0.56	11.97	11.48																	
5.1.2	<p><b>Following capacity development and skills enhancement activities are organised for improving students' capability</b></p> <ol style="list-style-type: none"> <li>1. <i>Soft skills</i></li> <li>2. <i>Language and communication skills</i></li> <li>3. <i>Life skills (Yoga, physical fitness, health and hygiene)</i></li> <li>4. <i>ICT/computing skills</i></li> </ol> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: C. 2 of the above          Remark : DVV has made changes as per the report shared HEI.</p>																				
5.1.3	<p><b>Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years</b></p> <p>5.1.3.1. <b>Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1617 1046 1751"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>926</td> <td>886</td> <td>750</td> <td>1061</td> <td>1252</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1832 1046 1966"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>678</td> <td>746</td> <td>1563</td> <td>1000</td> <td>1100</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	926	886	750	1061	1252	2021-22	2020-21	2019-20	2018-19	2017-18	678	746	1563	1000	1100
2021-22	2020-21	2019-20	2018-19	2017-18																	
926	886	750	1061	1252																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
678	746	1563	1000	1100																	

5.1.4	<p><b><i>The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases</i></b></p> <ol style="list-style-type: none"> <li><b>1. Implementation of guidelines of statutory/regulatory bodies</b></li> <li><b>2. Organisation wide awareness and undertakings on policies with zero tolerance</b></li> <li><b>3. Mechanisms for submission of online/offline students' grievances</b></li> <li><b>4. Timely redressal of the grievances through appropriate committees</b></li> </ol> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: B. 3 of the above          Remark : DVV has made changes as per the report shared HEI.</p>																				
5.2.2	<p><b><i>Percentage of students qualifying in state/national/ international level examinations during the last five years</i></b></p> <p><b>5.2.2.1. Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 913 1046 1048"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>0</td> <td>0</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1126 1046 1261"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>0</td> <td>0</td> <td>1</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	0	7	0	0	1	2021-22	2020-21	2019-20	2018-19	2017-18	0	6	0	0	1
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	7	0	0	1																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	6	0	0	1																	
5.3.1	<p><b><i>Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years</i></b></p> <p><b>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</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 1697 1046 1832"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>3</td> <td>5</td> <td>19</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1910 1046 2045"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>3</td> <td>5</td> <td>3</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	0	0	3	5	19	2021-22	2020-21	2019-20	2018-19	2017-18	0	0	3	5	3
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	0	3	5	19																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	0	3	5	3																	

Remark : DVV has made changes as per the report shared by HEI.

**5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	6	5	6

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	6	3	1

Remark : DVV has made changes as per the report shared by HEI.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
14	2	5	8	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
15	2	6	9	0

Remark : DVV has made changes as per the report shared by HEI.

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

25	36	35	30	18
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
24	36	65	0	19

### 6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	2	5	7	8

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
57	57	57	57	57

Remark : DVV has made changes as per the report shared by HEI.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of students year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1438</td> <td>1380</td> <td>1358</td> <td>1490</td> <td>1700</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1432</td> <td>930</td> <td>1564</td> <td>1400</td> <td>1525</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1438	1380	1358	1490	1700	2021-22	2020-21	2019-20	2018-19	2017-18	1432	930	1564	1400	1525
2021-22	2020-21	2019-20	2018-19	2017-18																	
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2.2	<p><b>Number of teaching staff / full time teachers year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>81</td> <td>93</td> <td>95</td> <td>98</td> <td>103</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>81</td> <td>93</td> <td>95</td> <td>97</td> <td>103</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	81	93	95	98	103	2021-22	2020-21	2019-20	2018-19	2017-18	81	93	95	97	103
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3.1	<b>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</b>																				

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
82.89446	890.05	176.11269	259.84931	265.43195

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
82.89	133.35	176.11	259.84	265.43