



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

VIDYA VIKAS PRATISHTAN INSTITUTE OF ENGINEERING AND TECHNOLOGY, SOLAPUR

**GAT NO. 72/2, PRATAP NAGAR, SOREGAON-DONGAON ROAD, SOREGAON,
SOLAPUR
413008**

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

VVPIET was established in the year 2009 under an umbrella trust Vidya Vikas Pratishthan, Solapur. The trust has been founded by eight eminent personalities who are Technocrats, Bureaucrats, Educationalists and Entrepreneurs under the leadership of Founder Chairman, Prof. Dr. G. K. Deshmukh. They joined their hands and founded this trust, with a broad vision to transform the society through education and to serve for welfare of the people.

VVPIET is approved by AICTE, New Delhi and DTE, Mumbai. The institute is currently affiliated to DBATU, Lonere previously it was affiliated to Solapur University, Solapur. The Institute was accredited by NAAC with 'B' grade in 2016. The Institute is included in 2 (f), 12 (B) by UGC, New Delhi. The Institute is ISO 9001 : 2015 certified and offers 6 UG programmes and 2 PG programmes.

The sprawling campus of VVPIET is spread over 10 acres and the whole area is landscaped and enjoys salubrious climate. The institute is well known for its state-of-the-art infrastructure, advanced laboratories, well stacked central library with digital offerings, ICT facilities and other general amenities. The institute is a member of DELNET, NDL and N-LIST to access e-books and journals. Library is automated through SOUL and OPAC software. The Library with a well stockpile of books, National/International Journals, e-journals, magazines, e-books & news papers.

A dedicated and committed faculty team strive hard to impart the knowledge to groom the students into industry ready technocrats. VVPIET is committed to offer excellent engineering education to prepare the graduates with domain knowledge, requisite skills and right attitude. The PEO are to prepare engineering graduates capable of addressing many issues related with the respective programme, both in the local and global context for providing optimal engineering solutions with concern to economics, environment and ethics.

The student career options are realized through dedicated Training and Placement Centre, which provides professional guidance and facilitate the campus placement drives.

The lifelong learning and self study attitude developed during graduation studies will help the students to upgrade technically and adapt to the changes constantly occurring in their field of specialization. The contribution given by the graduates for the benefit of the society in local and global context over a period of time will raise the level of institute to global repute.

Vision

- To produce universally competent dynamic engineers who will be instrumental for the development of the society.

Mission

- To foster a new generation of outstanding technical persons who will be catalysts for change and march

towards excellence in the fields of engineering, which will help ultimately to society.

To enhance career opportunities for students through exposure to industry with new technologies, methodologies and appropriate skill.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Management of the institution constitutes of technocrats, industrialist and educationalists with rich experience.
- The state-of-the-art laboratories with excellent infrastructure.
- Qualified, experienced and dedicated faculty members.
- Academic flexibility while imparting education
- Consistent progress in University results
- Industry interaction for career advancement of the students through MOUs, Expert Talks and Industrial visits.
- Outcome based teaching and learning process with continuous evaluation.
- Spacious and resourceful central library with e-facilities.
- Active engagement in social activities.
- Use of ICT tools by all faculty members
- Regular Parent-Teacher, Alumni Meetings
- Indoor and outdoor sports facilities
- Student mentoring system
- Pollution free, lush green and eco friendly campus.

Institutional Weakness

- To Fine-tune rural background students and improve attitude and communication skills of students to avail employment opportunities.
- Input quality of admissions.
- Location of the institute
- Lack of NRI student attraction
- Scarcity of senior faculty.
- Lack of major industries in the vicinity.

Institutional Opportunity

- Motivating students for competitive examinations.
- Improving R&D activities by strengthening interaction with premier industries and educational institutes.
- Opportunity to utilize potential of alumni.
- Opportunity to start research centers.
- Obtaining autonomous status.
- Enhancing skill-based courses for students employability.

Institutional Challenge

- Attract and retain senior faculties.
- The institute has challenge in retaining the students migrating to Metro cities.
- Decreasing placement opportunities for Core branches such as Mechanical Engineering, Electrical Engineering and Civil Engineering.
- Training students with rural background in social and professional etiquette, communication, technical and other skills for employability.
- Being rising institute challenge of fund allocation for research activities.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- V. V. P. Institute of Engineering & Technology (VVPIET) is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. Previously the institute was affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
- VVPIET follows the Choice Based Credit System (CBCS) curriculum and offers elective courses designed by University and ensures effective curriculum delivery according to the academic calendar of the University.
- Faculty members contribute in designing and developing curriculum at University level.
- The Head of Institute conduct meetings with the Head of the Departments (HODs) for developing detailed academic calendar for conducting curricular, co-curricular, extra-curricular activities.
- HODs conduct meetings with their faculty and develops strategies for effective implementation of the curriculum through the teaching plan, distribution of workload, preparation of time tables and course plans.
- All the faculty prepares course files and laboratory manuals of their respective subjects. The course file contains academic calendar, syllabus, time table, notes, Question bank, MCQs, previous university question papers etc.
- Add-on programs, Certificate Courses, and Value-added courses are offered in addition to the prescribed curriculum to fill up the gap identified between the curriculum and industry need.
- Workshops, Seminars and Faculty Development Programmes (FDPs) are organised for faculties.
- The institution integrates Human Values and Professional Ethics into the Curriculum.
- Some of the courses include experimental learning through project work, field work and internship.
- Feedback from students is collected every semester regarding the performance of faculty and used for academic progress.
- Feedback from faculties, parents, employers and alumni is collected and utilized for overall development and better performance of students.

Teaching-learning and Evaluation

- The admission to various programmes is done based on the guidelines of Directorate of Technical Education (DTE), Mumbai (Maharashtra).
- Student Faculty Ratio (SFR) is maintained as per the norms of AICTE, New Delhi.
- The institute has recruited qualified and experienced faculties who act as valuable resource for

imparting the knowledge to the students of specified programs.

- Necessary efforts are being made in identifying the learning levels (slow and fast) of the students through various assessments. Additional training is imparted to fast learners and extra classes are conducted for slow learners.
- Proctor system is in place for counseling and to monitor academic and personal issues of students.
- Student centric methods are adopted by providing counseling, training for placement and soft skills. Expert lectures, field visits, internships and industrial tours are organized to acquire hands-on experience.
- To expose the students for the current trends in technology, experts from academia, industries and research organizations are invited to deliver lectures on latest technological developments.
- Chalk & Talk, PPTs, NPTEL Videos, Seminars, Workshops, Presentations, Quizzes, Group Discussions, Debates and ICT resources are used as the instructional methods.
- The Internal and External academic audit is carried out by DBATU, Lonere on regular basis.
- Financial assistance is provided to attend workshops, seminars, conferences and publish papers in reputed journals.
- There is also a provision for VIII Semester students to take-up the industrial project for complete semester.
- Many reforms are introduced in the internal assessment system and the system is made robust and transparent with clear guidelines which are communicated to concerned from time to time.
- Transparent mechanism is adopted for conducting examinations and evaluation process as per the guidelines of University.

Research, Innovations and Extension

- A Research and Development (R&D) Cell is formed to encourage innovation and to harmonize the research activities of the various disciplines in the institute. The institute subscribes National, International Journals, e-Journals and budget allocation is done to facilitate Research activities on regular basis. Thus the institution provides resources for the propagation of innovative ideas.
- Institute encourages and provides financial assistance to faculty members who present paper in National and International Journals, Conferences. Institute also supports to conduct/attend National and International Workshops, Seminars and Conferences etc.
- The institute has functional MOUs and collaborations with industries and institutes as a part of Institute-Industry interaction. Consequently, students go for internship and project work in various industries to enhance their practical experience.
- Expert Lectures, Workshops, Technical Seminars, Conferences, Training Sessions, Industrial and Site Visits are organized on regular basis to gain hands-on experience, to develop awareness and corroborate research oriented approach of learning in students.
- Students are made aware of moral and social obligations through the NSS unit of the institute carrying out extension activities such as Blood donation camp, Swachh Bharat Abhiyan, Tree Plantation, Gender Sensitization, Environmental Awareness, Voting Awareness, Women Empowerment, Students Empowerment, Campus cleaning, Dental check-up, Health check-up camps etc.

Infrastructure and Learning Resources

- Institute fulfills the norms of the statutory bodies in terms of land requirements, instructional, administrative and amenities area. The institution has well established classrooms with ICT facilities,

Smart Classrooms, laboratories, computing facilities drawing hall and seminar halls for effective teaching learning.

- All the laboratories are provided with modern equipment, software and state-of-the-art facilities for conducting practical sessions as prescribed by University. Students acquire communication skills through softwares provided in Language laboratory.
- Library is the soul of any educational institute. The Central Library contains a well stockpile of books, National Journals, International Journals, e-journals, Magazines, e-books, project and dissertation reports and Daily News Papers. Library hosts a separate digital library to facilitate students and faculties for accessing various e resources. The institute is a member of DELNET, NDL, e-Shodh Sindhu and N-LIST to access e-books and journals. Library is automated through SOUL, OPAC software and equipped with photocopier.
- Institute has GATE TUTOR software which is used by students and faculties for enriching the delivery of the courses taught. This is also used by students as a preparation tool for GATE examination and campus placements.
- The Institute provides IT facilities with computers connected through LAN and Wi-Fi to enable all the stakeholders to have better access to the learning resources. The Institution takes care of all physical, academic, IT and other facilities with effective maintenance support allocating appropriate budget for optimum utilization of the resources.
- Sports facilities include Cricket, Football, Kho-Kho, Kabaddi grounds, Basketball, Volleyball courts for outdoor games and indoor game facilities for Table Tennis, Chess, Carom etc.
- The Amenities include separate Boys' and Girls' Hostels, Common Rooms, Toilets, Gymnasium, Yoga center, Cafeteria and First Aid Room with all necessary facilities. The college promotes socialization by organizing cultural activities in auditoriums and college open area.
- DG sets are available for power backup both in the institute and hostels.
- RO processed drinking water facility is provided in all the academic buildings and hostel blocks.

Student Support and Progression

- Institute puts in all possible efforts for overall development of students through academic, co-curricular and extracurricular activities. Institute is keen on student performance, alumni engagement and good employment through enriched teaching learning processes. Career guidance, placements and grievance redressal are in place. Students are supported through value added courses.
- The students are benefited by scholarship and freeships provided to SC, ST, VJ/NT, SBC, OBC students and Economically Backward Class (EBC) students from Open category as per the norms of Government of Maharashtra. The installment facility in tuition fees, scholarships reduce financial pressure on students as well as parents, which help them to focus on their academic performance.
- Institute organizes Induction program for the newly admitted students to help them familiarize with the institute and department facilities, hostel facilities, faculty members and gain confidence for better performance.
- The institute is regularly organizing several capacity enhancement activities involving internal resources and also by inviting external experts which enable the students to improve their skills other than curriculum. The Training and Placement Cell facilitates and provides guidance for Competitive Examinations, Career Counseling, Soft skill development on regular basis to all the students.
- The institute has a transparent mechanism for timely redressal of student grievances through Anti-ragging, internal complaints and overall grievance redressal committees to minimize grievances in the campus.
- Through NSS activities students acquire social responsibility, skills and competencies for overall

development. Students take part in social, cultural activities, sports events and are encouraged to participate in intra murals, inter-collegiate, district and state level competitions.

- Institute has department wise student associations for carrying out various activities.
- An active alumni association has enabled institute to strengthen relationship with alumni through its regular interactions. Alumni are supporting the institution in the form of expert lectures, internships, placement and other activities to understand latest technical information.
- In addition, yoga and meditation sessions are conducted for better Body- Mind coordination.

Governance, Leadership and Management

- The institution has an effective governance mechanism in line with the vision and mission of the institution by practicing decentralization and participative management involving HoI, HoD, Coordinators and faculties. Each of the functionaries has specific roles and responsibilities. The institution has strategic plan with respect to certain key performance indicators to reach the goals. The statutory and non-statutory committees are constituted as per the norms of the regulating bodies for smooth and orderly functioning of the institution.
- The Institution has a mechanism of implementation of e-governance in areas of operation such as Administration, Finance and Accounts, Academics, Student Admission and Support and Examination.
- The institute encourages teaching and non-teaching staff by providing a worthwhile welfare schemes.
- The faculties are encouraged to attend FDPs, STTPs, workshops, seminars and conferences by extending necessary financial support.
- Institution is strategically enhancing the quality of Teaching and Learning Process through organizing Training Programs for Teaching and Non-Teaching staffs, FDPs, STTPs, Workshops, Seminars, Conferences etc.
- Institute executes a transparent streamlined process for optimal utilization of financial resources for infrastructure and human resources. The Internal and External auditing of income and expenditure of the institute are regularly done. The Institution has a policy and strategy for mobilizing resources.
- The IQAC is in place and is responsible to maintain the quality in academic and administrative matters.

Institutional Values and Best Practices

- The institute gives primary importance to gender equity and promotion. Appropriate programs are organized regularly. Counseling facilities and common room are provided to male and female students with adequate safety and security and the campus is monitored through CCTV surveillance.
- The girls are encouraged through counseling to participate in various activities like Cultural events, NSS, Sports, training sessions etc. as per their comfort and interests.
- The Institute has prioritized the green practices and eco-friendly environment in the campus to reduce pollution. The Institute has successfully installed the rainwater harvesting system to effectively use the water resources. The campus has aesthetically designed buildings, surrounded by greenery creating good ambience for learning.
- “No Plastic Zone” practice is promoted for non-usage of plastics. Solar Street lights are installed to optimize energy conservation. The institute is marching towards paperless work by preferring e-mails and social media.
- Institution is providing adequate facilities for differently abled students.
- Every year the institute organizes national festivals, birth and death anniversaries of the great Indian personalities and organizes number of activities to promote universal values.

- Proctor System, Orientation Programs, Online student's feedback, Academic diary are some of the best practices adopted and implemented by the institute.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VIDYA VIKAS PRATISHTAN INSTITUTE OF ENGINEERING AND TECHNOLOGY, SOLAPUR
Address	Gat No. 72/2, Pratap Nagar, Soregaon-Dongaon Road, Soregaon, Solapur
City	Solapur
State	Maharashtra
Pin	413008
Website	www.vvpengineering.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	U. S. Mugale	0217-2347555		-	
IQAC / CIQA coordinator	U. M. Rawat	0217-8380030555	8007200282	-	umrawat@gmail.com

Status of the Institution	
Institution Status	Private and 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	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	10-05-2019	View Document
12B of UGC	26-11-2019	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-07-2022	12	Extension of Approval

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	Gat No. 72/2, Pratap Nagar, Soregaon-Dongaon Road, Soregaon, Solapur	Urban	5.59	11314

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Higher Secondary Certificate	English	60	0
UG	BTech,Electrical Engineering	48	Higher Secondary Certificate	English	60	1
UG	BTech,Computer Science And Engineering	48	Higher Secondary Certificate	English	60	49
UG	BTech,Electronics And Telecommunication Engineering	48	Higher Secondary Certificate	English	30	8
UG	BTech,Mechanical Engineering	48	Higher Secondary Certificate	English	30	0
UG	BTech,Artificial Intelligence And Data Science	48	Higher Secondary Certificate	English	60	4
PG	Mtech,Computer Science And Engineering	24	Bachelor of Engineering	English	9	9
PG	Mtech,Mechanical Engineering	24	Bachelor of Engineering	English	18	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	4				8				41			
Recruited	1	0	0	1	1	0	0	1	22	10	0	32
Yet to Recruit	3				7				9			
Sanctioned by the Management/Society or Other Authorized Bodies	0				1				16			
Recruited	0	0	0	0	1	0	0	1	7	9	0	16
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				7
Recruited	7	0	0	7
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				8
Recruited	7	1	0	8
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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	2	0	0	1	0	0	4
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	28	19	0	47
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	8	0	0	0	8

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	67	1	0	0	68
	Female	12	0	0	0	12
	Others	0	0	0	0	0
PG	Male	4	0	0	0	4
	Female	6	0	0	0	6
	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	2	0	3	1
	Female	0	1	1	1
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	2	1	2	0
	Female	1	1	1	2
	Others	0	0	0	0
General	Male	14	5	4	9
	Female	6	1	1	4
	Others	0	0	0	0
Others	Male	2	2	4	6
	Female	0	0	0	1
	Others	0	0	0	0
Total		27	11	16	24

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:

Vidya Vikas Pratishthan's Institute of Engineering and Technology, Solapur (VVPIET) is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU, Lonere). The curricula of DBATU encompass several multi/interdisciplinary aspects. The syllabus of First Year B. Tech. (F. Y. B. Tech.) includes credit courses on Physics, Chemistry and Mathematics. The course of Mathematics continues for one more Semester in Second Year for all disciplines. F. Y. B. Tech. syllabus is uniform for all disciplines and includes introductory credit courses on all the disciplines like Basic Mechanical Engineering, Basic Electrical & Electronics Engineering, Computer Programming, Engineering Mechanics, Environmental Engineering, Energy Engineering etc. This ensures fundamental understanding of the students about the Basic sciences and all core branches of Engineering. A few Courses like Strength of Materials, Fluid Mechanics are uniform for Civil Engineering and Mechanical Engineering disciplines. Similarly, a few Courses like Data Structures, Object Oriented Programming, Digital Electronics & Logic Design, Computer Networks, Cloud Computing, Digital Signal Processing, Embedded Systems, System Programming & Operating System are uniform for Computer Engineering and E & TC Engineering disciplines. Further, these two have a few Honors courses in common viz. Internet of Things, Artificial Intelligence & Machine Learning, Data Science. Civil Engineering has a credit course on Computer Programming and Mechanical Engineering has credit courses on Artificial Intelligence and Mechatronics, Electronics and Telecommunication Engineering has a credit course on Internet of Things, Python Programming, Electrical Engineering has a credit course on Alternative Energy Sources, Computer Science Engineering has a credit course on Probability Theory and Random Processes. VVPIET is a Teaching-intensive and Research intensive Institute. Special efforts are taken by VVPIET to inculcate multi/interdisciplinary research culture among faculty and students. VVPIET has been the institutions to adopt Project/Problem Based Learning (PBL) and the pupils are encouraged to identify problems that would need multi/interdisciplinary solution. VVPIET also insists on the students in their Final Year to procure Sponsored projects, which address the real

	<p>life problems and which almost always involve multi/interdisciplinary approach to the solution. Funding is given by the Institute to the Final Year internal Projects. Students undergo industrial internships, Field Training in every semester: where, on the site, the interns automatically undergo multi/interdisciplinary training. The Cultural cell organizes several events relevant to performing and commercial arts, birth and death anniversary celebration of freedom fighters and social workers. Through NSS, several events like Independence Day and Republic Day celebrations, Blood donation camps, Tree Plantation, social work initiatives are taken to instill human values like Truth, Righteous conduct, Nonviolence, Peace and Love. VVPIET plans to acquire the status of Autonomous Institute in near future and having acquired thus, the Institute shall certainly plan multidisciplinary curricula that will enable multiple entries and exits. VVPIET will be proud to be a part of multidisciplinary HEI cluster or to be a Multidisciplinary Education & Research University (MERU) offering quality education in a vast spectrum of domains. One of the main objectives of NEP is improving Gross Enrollment Ratio (GER).</p>
2. Academic bank of credits (ABC):	<p>VVPIET is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU, Lonere) and is governed by DBATU as regards curricula, examination and evaluation. VVPIET will make all the necessary provisions of the Academic Bank of Credits, benefit of multiple entries and exits, as soon as instructed by DBATU. Also, it is proposed by VVPIET to apply for academic Autonomy in near future and in case it is sanctioned, the Institute shall definitely make all the arrangements to include clauses in NEP in its curriculum structure. VVPIET is taking exhaustive efforts to make tie-ups with various industries. Till date, MoUs on various collaboration aspects have been signed. Due to continuous advancement in technology, faculties endeavor to give contents beyond syllabus (CBS) to the students through extra/value added courses. Faculties design and disseminate the content of these add-on courses either themselves or by inviting an expert from industry. ICT tools and innovative techniques like smart classroom, participative learning, etc are used to discuss CBS. Assignments on the value added courses are designed by the</p>

	<p>course in-charge. Students' feedback of such course is taken so as to evaluate the need and worth of the course.</p>
<p>3. Skill development:</p>	<p>Knowledge, skills, attitude and behavior are the graduate attributes defined by AICTE and skills development in students and faculty has always been the major focus of VVPIET right from its inception. Many initiatives like internship, industrial training, PBL etc were taken by VVPIET much before, these were included in the curriculum by the University. Faculty members at VVPIET are encouraged to undergo industrial training, STTP, FDP and certification courses like NPTEL. Students are also encouraged to enhance their knowledge and skills by undergoing online/offline certification courses. Registration fees are reimbursed by the Institute for the successful faculty members and students. Students of VVPIET undergo industrial internships. Hands-on experience in internships enhances students' technical skills, interpersonal skills and professionalism. For academic and administrative processes like teaching learning, monitoring, evaluation, feedbacks, etc., VVPIET is endeavoring to achieve paper-less, sustainable and environment friendly processes. Faculty and students are provided with various ICT tools like smart-boards, projectors, computational systems, audio-visual aid in the classrooms and laboratories. Students also make use of virtual labs. The Institute has sufficient mechanical workshop area with all the conventional and modern machinery as well as skilled trainers. Various sections like carpentry, tin smithy, machine shop, welding, fitting etc. are well-equipped. Institute is thus well-prepared to offer a variety of vocational courses. Presently, right from First Year, students are undergoing hands-on training in workshop. Workshop practice is a credit course common for all branches of First Year B. Tech. and later on for Mechanical Engineering Discipline.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Every day, academic sessions in VVPIET begin with National Anthem. The regular activity of Meditation, Yoga Session in every classroom/laboratory is conducted. NSS Cell celebrates Independence Day and Republic Day on large scales. VVPIET organizes and celebrates birth and death anniversaries of all the Freedom Fighters and Social Workers. During the Mentor-mentee (Proctor) meetings, faculties discuss</p>

	<p>stories from history and ancient history (mythology) so as to make the students aware of our rich heritage and culture. Anecdotes from Ramayan, Mahabharat, Shivcharitra and even from fictional compilations like Panch-tantra, Isapniti are narrated so as to teach the students valor and wisdom. The annual social event titled ‘NINAD’, which showcases classical and semiclassical singing, Bharatnatyam, Kathak and regional/folk dances, Instrument Playing talents of students and staff. ‘TARANG’ an art exhibition showcases Rangoli and Painting talents of the students. Celebration of Shivjayanti sees the traditional Dhol-Tasha performance and procession. Though the medium of communication is English and students have to appear for DBATU examinations in English language itself, faculty use vernacular language (Marathi) or Hindi at times to make a singularly difficult concept simple to understand. Regional languages are deliberately used while mentoring the students’ group in Mentor-mentee meetings or while addressing academic/personal queries raised by students. This ensures a cozy and at-home atmosphere and enables a more heart-to-heart talk. In the online regular/extra/add-on/weak-learners lectures, there are limitations on use of video due to band-width limitations at students’ end. Thus, many communication modes otherwise available in offline mode, like facial expressions and gestures are disabled and that makes it difficult for the students to understand the tough concepts when discussed entirely in English. Hence, Instructors engaging the lectures in online mode disseminate the information in vernacular language (Marathi or Hindi).</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>VVPIET believes in student centric Four-Pillar philosophy, which includes Academic excellence, Professional Competency, Research and innovations and Social Commitment. VVPIET Four-Pillar philosophy is aligned with AICTE’s Outcome Based Education (OBE) attributes, viz. Knowledge, Skill, Behavior and Attitude. Students are trained from the very First Year up to Final Year keeping in mind the probable walk of career they would choose, viz. Employment, Higher Studies and Entrepreneurship. Academic excellence has always been a strong focus of VVPIET. A structured process certified by ISO 9001:2015 is followed while executing knowledge dissemination and evaluation tasks. In academics,</p>

	<p>VVPIET results are best at the DBATU level. The Institute has an environment conducive to Research and Innovation. Students of VVPIET undergo Project/Problem Based Learning from their First Year. Students are encouraged to procure sponsored projects based on real life industrial and social problems. Plagiarism check and publications on the project are mandatory for the students. Students are carefully groomed in soft-skills like communication, aptitude, interviews, GD, etc. As a result of the rigorous training given, the placement of VVPIET has been enhanced for the passed out batches. Higher studies Cell at VVPIET ensures that students get all the necessary information, resources and guidance for appearing for competitive examinations and for higher studies. As a result, many passed out students are at present pursuing their higher studies. The Entrepreneurship Development Cell organizes talks of experts for the students to understand challenges, legal formalities and resources for start-ups and provides space, funds, advice and IP consultation for the budding entrepreneurs. The focus of VVPIET is on producing Engineering Professionals with high moral and ethical values. Design-courses in the DBATU syllabus, PBL, Internships, Projects, Plagiarism-checking, Patent and copyright filing, publishing research articles make the students aware of the professional ethics and obligations. Audit courses on social and ethical aspects are discussed rigorously. Through NSS and Mentoring scheme, several outreach and social events are organized so that the students develop and nourish a sense of social commitment.</p>
6. Distance education/online education:	<p>VVPIET is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU, Lonere) and is governed by DBATU as regards syllabus, instructions, examination and evaluation. The four years undergraduate full-time programmes in AI&DS, Civil Engineering, Computer Science Engineering, Electrical Engineering, E&TC Engineering and Mechanical Engineering offered by Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU, Lonere) are to be completed in offline, physical, on-campus mode and there is no provision or feasibility of distance education. During pandemic, all the academic activities like lecture-practical-tutorial delivery, theory and viva-voce</p>

examinations, mentor meetings, projects, seminars, etc were being conducted purely in online mode using platforms like Google Meet. Google classroom was used for circulation of study material. The online lectures delivered then have been made available as video lectures on YouTube channels and blogs created by the faculty members for anyone to refer to. E-journal, e-books, journals and many other resources from library were made accessible from home. Further, many faculty members from VVPIET floated outreach programmes in which, the course contents were delivered in online mode for students all over the state. As the students from many Institutions and Universities were not receiving proper teaching in pandemic, these programmes received good response from students and even course faculty members. This has indirectly led to Open Distance Learning (ODL). Thus, VVPIET and its faculty are well-prepared to offer ODL to become a multidisciplinary HEI. As on date too, the faculty members are delivering a portion of their curriculum in online mode. Content beyond syllabus, tutorials, extra lectures, audit courses and honors courses by industry experts are nearly always conducted in online mode. The Institute has conducted many co-curricular and extra-curricular events like First Year Induction Programme, National Level Technical competition Wisotech, cultural events Ninad and Departmental Students' Association events in online mode. Faculty members of VVPIET have been enthusiastically involved in delivering on-line talks on Intellectual Property Rights, How to File a Patent, How to File a Copyright, How to Write an SoP, Being Evergreen Forever, Positive Thinking, Pranayam and Surya-Namaskaar, etc. Later, as the pandemic receded, VVPIET began to conduct all the curricular, co-curricular and extra-curricular activities in hybrid (offline-online simultaneously) mode.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?

An Electoral Literacy Club (ELC) is a platform to engage Institute activities and hands on experience to sensitise students on their electoral rights and familiarize them with the electoral process of

	<p>registration and voting. Through ELC, Election Commission of India aims at strengthening the culture of electoral participation among young and future voters. We Vidya Vikas Pratishthan Institute of Engineering and Technology have set up ELC with the following Vision and Objectives as directed by the Election Commission of India. Vision: To make utmost contribution to have an active democratic citizenry originating in integrated civic and voter education and electoral participation right from a young age. Objectives: • To educate and guide students/staff about voter registration,electoral process through hands-on experience. • To facilitate EVM and VVPAT familiarization with the targeted population. • To educate them about the robustness of EVM as well as integrity of the electoral process. • To help students and staff understand the value of their vote, exercise their right in a confident, comfortable and ethical manner. • To develop the potential of ELC members to carry out the electoral literacy in the communities. • To facilitate voter registration to the eligible unregistered members. • To develop and maximize electoral participation with ethical voting and follow the principle” Every Vote Counts” and “no voter left behind”.</p>
<p>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?</p>	<p>Yes, ELC is functional in our Institute and the student’s coordinators and co-ordinating Faculty members are appointed by the Institute. The ELC Committee is as follows- Dr. Umesh Mugale, Principal, VVPIET - Chairman Mr. Bugade S. R.- Convener and Programme coordinator NSS Cell Mr. Patil A. A. - Member Mr. Rawat U. M. - Member Mr. Swamy S. S.- Member Mr. Wagdarikar A. U.- Member Mr. Palmur V. V.- Member Mr. Mane S. G.- Member Mr. Pawar N. N. - Member Mr. Jadhav R. A. - Student Coordinator Ms. Karajgikar S. M.- Student Coordinator</p>
<p>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</p>	<p>Activities conducted: • The ELC club organized 1. Voter Awareness programme at Dongaon. 2. Voter Awareness programme at Soregaon. 3. Voter Awareness Programme for Students at Institute. • Celebration of Constitutional Day in association with NSS every year • New Voter registration at our Campus for Second year Students. • ELC club organizes Guest Lecture on Awareness of Voting for Institute Students on the occasion of National Voter’s Day every year on 25th of January.</p>

<p>citizens, etc.</p>	
<p>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.</p>	<p>1. NSS Coordinator conduct camps regarding new Voters Registration as well as Voter awareness in the nearby locality every year. 2. Students are given socially relevant project through ELC Club to collect data of voters of locals residing nearby Institute Campus. 3. ELC club also initiate Poster Competitions, Art Contests, Debate/Speech Elocution competition and similar competition to create awareness of voter's democratic values and ethical voting and importance in participating in electoral process.</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 regularly monitors and facilitate students above 18 year to register themselves in the voters list with help of concerned government authorities. ELC club also take programmes regarding the importance of taking part in the ethical voting process.</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
535	626	591	511	490

File Description	Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

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

Response: 109

File Description	Document
Institutional data in prescribed format	View Document

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
51	60	55	66	76

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
101.32	93.50	185.78	163.84	233.46

File Description	Document
Upload Supporting Document	View Document

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 (DBATU), Lonere. Previously affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur and follows the curriculum prescribed by the university. University notifies academic calendar before the commencement of every academic year.
- Head of the institution conducts meeting with Academic Coordinator and all department heads to develop strategies for effective implementation of the curriculum. Academic Coordinator prepares institute academic calendar in alignment with the University's academic calendar for each semester.
- The teaching workload is allotted among the faculty members as per the norms. Distribution of subjects is done according to the preferences given by the faculty and as per the requirement of the department.
- Time table is prepared as per the teaching scheme of DBATU, Lonere and departmental requirement.
- Teaching Plans of Theory, Practical and Tutorial are prepared by the subject teachers before the start of every semester.
- Plan of various activities like industrial visits, expert lectures, seminars, workshops, etc. is prepared at the beginning of every semester.
- Faculty Academic Diary is prepared and maintained by all faculty members which include Program Outcomes, Program specific outcomes and Course Outcomes, Individual Time table, Teaching Plan, Practical/Tutorial Plan, Academic Calendar etc. Academic Quality Monitoring is conducted to verify the content of these files before the start of every semester.
- Course files are maintained by all faculty members which include Syllabus, Program Outcomes, Program specific outcomes and Course Outcomes, Individual Time table, Teaching Plan, Practical/Tutorial Plan, Academic Calendar, Question Bank, Assignments, MCQs, University Question Papers, attendance of students, test marks, Record of slow and fast learners, Proctor Record etc. Academic Quality Monitoring is conducted to verify the content of these files before the start of every semester.
- The institute encourages faculty members to participate in Faculty Development Programs (FDPs), Workshops, Seminars, Conferences, STTPs so as to update the knowledge and improve the teaching practices.
- The institute provides books, other teaching and reference materials, teaching models, ICT tools and software's to enable faculties to ensure effective delivery of curriculum.
- Weekly meeting is conducted at department level to review the progress of academic and other activities.
- Curriculum Enrichment is done through Student Centric learning Methods like offering Electives,

Industrial Visits, expert lectures, Internships, Workshops, Mini projects, Group Projects, Group Discussions, Seminars, Presentations, Value Added Courses, Certificate Courses, Industrial Training, use of new tools /simulators, NPTEL etc.

- Unit tests and Mid Semester Examination are conducted during each semester as per the University calendar.
- Continuous assessment is done on regular basis.
- To bridge the gap between industry and academia, Industry persons are invited as an expert and Industrial visits are organized.
- The projects undertaken by the final year students help them to identify industry and social needs.
- Students are encouraged to participate in co-curricular and extracurricular activities.
- Parents meet is organized every semester to discuss progress of their ward and to welcome suggestions for further improvement.
- Online Student feedback is taken on the basis of various parameters to improve teaching learning process. Based on students feedback appreciation and action taken letters are issued to concerned faculties.
- Feedback of experts from industry, academia and alumni are taken regularly.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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: 30

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	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: 30.44

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
397	256	137	33	15

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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:

Institution integrates cross cutting issues relevant to Gender, Environmental Sustainability, Human Values and Professional Ethics which contribute to sensitizing students as per the curriculum.

1. Gender:

- Being a co-educational Institute equal opportunities are given to both the genders in terms of admissions, employment, training programmes, other activities etc., due to which gender issues do not arise.
- In order to make students to aware the cross gender issues, Basic Human Rights course is offered to students.
- The students study in a cross gender environment and are sensitized on gender issues. Internal Complaints Committee is in place, to regulate and curb any internal complaints.
- The institute has sensitized all the faculty, staff members and students on issues such as gender inclusion by organizing events on Women's day for focusing on women empowerment and promoting leadership qualities in women.
- Girls and boys participate in various academic, co-curricular and extracurricular activities such as sports, paper presentations, group discussions, technical quiz, drama, skits, mime act, etc.
- Grievance Redressal Cell of the Institute is in place for students, faculty and staff members to represent their official, personal and general issues along with gender grievances.
- Anti-ragging Committee is in place to avoid ragging among the students and hence, no ragging incidents are reported in the last 5 years.

2. Environment and Sustainability:

- In order to make students aware about the need of protecting the environment, courses on Planning for Sustainable Development, Environmental Engineering, Renewable Energy Sources, Energy Conservation and Management, Basic Human Rights are offered to the students.
- The objective of these courses is to create environmental awareness among students by emphasizing on the concerns like, the basic components of the environment, biodiversity, environmental effects of deforestation, different types of energy resources including the non-conventional energy, effect of air, water, soil and noise pollution are covered.
- The institute is also proactive in sensitizing students towards environmental issues through Guest Lectures/Industrial Visits and e-Waste collection.
- Plastic-free green campus, Tree plantation and various environment-related activities inculcate the importance of the environment.

3. Human Values and Professional Ethics:

· Apart from professional progression, students need to be trained to become responsible for the society in which they live.

· Basic Human Rights, Soft skills and Personality Development, Interpersonal Communication Skill and Self Development, Soft Skill Development, Product Design Engineering, , Essence of Indian Traditional Knowledge, Rural Technology and Community Development, Human Resource Management, Introduction to Research, National Social Service, Project Management, Entrepreneurship, Economics, Introduction to Sociology, Stress and Coping, Financial Management, Professional Ethics and Human Values are the courses that help to prepare students for a life of social responsibility. Dr. Babasaheb Ambedkar Technological University, Lonere and Punyashlok Ahilyadevi Holkar Solapur University, Solapur have duly introduced these courses into its curriculum and the institute is promoting their effective delivery.

· Value education, importance of ethical and responsible behavior, understanding of Ethics and social responsibility are some issues of concern. These courses focus on human values and discuss engineering ethics, explain safety and risk factors, responsibilities and rights of engineers and addresses global issues, computer ethics and environmental ethics.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

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

Response: 91.59

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

Response: 490

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 42.37

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
174	156	182	254	181

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
453	389	358	447	588

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: 39.86

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	79	134	157	81

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
267	204	198	238	390

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

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

Response: 10.49

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:

EXPERIENTIAL LEARNING

- The institute has provided different ICT Tools/Resources to create more learner-centric environment.
- Internship in industries and companies is facilitated for collaborative learning process. Industrial collaboration by signing MOUs is facilitated to give exposure in practical needs.
- The institution arranges industrial visits regularly to bridge gaps between academia and industry.
- As a part of experimental learning students are guided by faculty to carry out mini projects, minor projects and major projects.

PARTICIPATIVE LEARNING

- Interdisciplinary projects are encouraged.
- Students are encouraged to participate in seminars, webinars, workshops and Technical quiz to develop various skills.
- Group discussions/tasks are conducted from second year onwards in soft skills courses. Mock interviews are conducted before the campus placements, to improve confidence levels in the student.
- The institution organizes National Level Technical Symposium 'WISOTECH' to develop technical and other skills of students and encouraged to participate in competitions like Paper presentation, project competition, robo-race, robo-war, computer gaming, best out of waste etc.
- Well-equipped digital library with access to e-journal, NPTEL and DTEL learning.
- Wi-Fi facility is available on campus to allow students to access technical resources such as NPTEL Lectures, video clips, etc.
- Mini projects, minor projects and major projects are carried out in a group of students as a part of participative learning.
- Annual Social Gathering "NINAD" is organized every year to provide a platform to bring out hidden talent of students.
- The NSS unit of the institution organizes social awareness programmes to develop a sense of societal and civic responsibilities among the students.

PROBLEM SOLVING

- Every faculty make use of models, charts, graphs, power point presentation through ICT tools to present the content of the syllabus.
- Students are intended to have individual attention to develop better problem solving skills.
- Students work on mini projects and case studies under the guidance of faculties, which improves their problem-solving skills.
- Training activities covering advanced courses enhances problem solving ability.
- Recent trend sessions are organized to explore and practice on industrial problems.
- The Skill development courses like CATIA, Raspberry Pi, Matlab, IoT, PLC, JAVA, Python, C++, Android etc. are conducted.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

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

Response: 99.35

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
53	60	55	66	76

File Description

Document

Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

[View Document](#)

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

[View Document](#)

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: 7.47

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
4	4	5	5	5

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.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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:

VVPIET is affiliated to DBATU, Lonere and previously affiliated to Solapur University, Solapur. All examinations i.e., In Semester & End Semester University Examinations are conducted as per the guidelines of the University.

To address the examinations grievance, the institution has constituted Examination Cell which is headed by Controller of Examinations (COE) and consists of departmental examination coordinators for smooth conduction of examination.

Transparent mechanism of internal assessment:

- The university norms relating to course-wise examination pattern are communicated to the students in the beginning of the semester through institute academic calendar and notices.
- Students are briefed about internal assessment, question paper patterns and university examinations in Orientation Programme.
- Syllabus for internal assessment will be communicated to students well in advance.
- The institution conducts Periodic tests and mid semester examination for the assessment of student's performance in academics.
- The Continuous Assessment of students during practical is updated in the academic diary in presence of student for timely submission of assignments and laboratory journals.
- Monthly attendance of students and performance in tests are displayed on notice boards to maintain transparency. It is communicated to parents and discussed in the parents-teacher meet.
- The evaluated answer scripts are made accessible to the students to maintain transparency in the evaluation system. Before distributing the evaluated answer scripts to students, answer keys are discussed in the classroom for each course. The issues related to awarding of fewer marks, the

discrepancy in counting etc., are resolved by the respective faculty members immediately.

Grievances related to University Examinations

- Inability of submission of Examination form by student within time
- Issues in continuous assessment marks
- Non issue of Hall ticket for Examination
- Non declaration/withheld of result of student
- Non receipt of mark sheet after declaration of result
- Incorrect entries in the hall ticket and mark sheet
- Change of elective subjects
- Revaluation

The above grievances of student are forwarded by institution and resolved by the university and the same is communicated to concerned student.

After declaration of results, students who wish to apply for photocopy and revaluation has to submit online application form through student login with necessary fees as per the schedule declared by the University. University provides soft copy of answer sheet on student's email ID/Student login in stipulated time. With the photocopy of answer sheet received, the student can further apply for revaluation if not satisfied with assessment. The change in the revaluation of answer sheets is communicated by the university. Thus, the mechanism to deal with examination grievances is time bound and efficient

Grievances related with internal examinations

The institution examination cell is responsible to solve grievances of students related to internal

examinations. The cases will be attended promptly on receipt of grievances from the students. Following procedure is adopted for internal examination grievances.

- Students can contact their respective HoD for any grievances of examinations at institutional level.
- HoD takes a note of their grievances and takes appropriate action.
- HoD contacts COE for any suggestion or query.
- Students contacts subject teacher for grievances in internal marks of any subject.

Because of the above transparent process, very less grievances are observed for internal marks evaluation.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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:

- Outcome Based Education (OBE) is followed in the institute and the Programme Outcomes (POs) defined by the University are adopted. In addition, Programme Specific Outcomes (PSOs) pertaining to respective programmes are also defined and adopted.
- PSOs are written specifically to address important outcomes expected from the respective programmes which are not addressed by the POs.
- All POs and PSOs are synchronized well with the Programme Educational Objectives (PEOs), the Vision and Mission of the respective department and the Institute.
- All the faculty members understand the importance and mapping of COs with POs, PSOs and PEOs by attending orientation programs.
- COs are communicated to the students at the start of semester.
- During the discussion of the course, the outcomes of the course are also focused.
- The Principal, HODs, Faculty Members, Staff and Students contribute positively to the overall growth of the institution duly ensuring Transparency and Accountability.
- HOD meeting with faculty members is an effective mechanism to communicate program outcomes, program specific outcomes and course outcomes.
- POs and PSOs are displayed at prominent places in the departments.
- POs and PSOs are uploaded on the institute website which is made available to stakeholders.
- The POs, PSOs and COs are available in the university syllabus.
- Students feedback is taken as a vital input in deciding the attainment of COs.
- POs and PSOs are communicated to students and parents through various events like parents teacher meets, induction programs, etc.
- Information is given to alumni members during alumni meetings organized every year by the institute.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Attainment of Outcomes:

- The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are accomplished through curriculum
- Course Outcomes (COs) are defined for each course and they are mapped to POs and PSOs.
- A set of performance evaluation criteria is used for quantitative assessment of COs
- Thus the attainment of COs provides an evidence of attainment of POs and PSOs.

In Outcome Based Education, assessment is done through one or more than one processes, carried out by the institution that identify, collect and prepare data to evaluate the achievement of program outcomes, Program Specific Outcomes and course outcomes.

PO Assessment Tools:

Assessment tools are categorized into direct and indirect methods to assess the Program Outcomes, Program Specific Outcomes and Course Outcomes.

(A) Direct methods: Display the students' knowledge and skills from their performance in the

- **Continuous Assessment:** COs are assessed through Unit Tests, Mid Semester Examination, Assignments and Presentations.
- **End Semester Theory Examinations:** The questions in End semester examinations are tested pertaining to all COs.
- **Laboratory Records:** Continuous assessment and Practical-Oral Examinations are conducted to test the COs attainment.

These methods provide a sampling of what students know and/or can do and provide strong evidence of students learning.

(B) Indirect methods: Preparations are gathered to know how well students are achieving/ achieved a learning outcome.

- **Programme – Exit survey:** This survey taken from the students after the completion of their BE/B.Tech. programme, stands as the comprehensive feedback for the PO/PSO assessment.
- **Alumni Survey :** This survey is conducted annually from the Alumni to obtain the inputs and suggestions on PO attainments.
- **Employer Survey:** This survey is taken from the employer to measure the PO attainments.

PO Attainment:

Direct attainment level of a POs & PSOs is determined by taking average across all courses addressing that POs and/or PSOs.

Indirect attainment level of POs & PSOs is determined based on the student exit surveys, employer surveys, co-curricular activities, extracurricular activities etc.

For affiliated, non-autonomous colleges, it is assumed that while deciding on overall attainment level 80% weightage may be given to direct assessment and 20% weightage to indirect assessment through surveys from students(largely), employers (to some extent).

Analyzing of Results:

Levels of attainment are decided upon the percentage of students of the class who have more than Average mark allotted for the course outcome in the final Examination.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

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

Response: 98.64

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
190	262	126	96	197

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
193	262	131	100	197

File Description	Document
Institutional data in the prescribed format	View Document
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.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.64

File Description	Document
Upload database of all students on roll as per data template	View Document

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: 0

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
0	0	0	0	0

File Description

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 has created an ecosystem for innovation, creation and transfer of knowledge by establishing the Research and Development (R&D) Cell.
- The Ecosystem Framework of the Institute aims at creating student enabled educational environment. The institution is taking rigorous efforts to create a veritable infrastructure of learning that would catalyse the holistic development of the student at the U. G. and P. G. levels.
- The institute has provided the laboratories with equipments required as per the norms in each department. Institute also provides the facilities like softwares, internet, books and journals etc. to the students and faculties for innovation and transfer the knowledge.
- The UG and PG students conduct the research projects under the guidance of academic mentor in addition to industry mentors.
- The institute provides an enriched environment of learning to the students. It reposes implicit faith in the potential of the students and has put in place a regimen to create or add value to the students by harnessing their talent through systemic training in terms of skill building, personality development, lateral thinking and career mapping. Identification and enrichment of the innate

scholastic and extracurricular talents of students and realization of the requirements is the hallmark of the institute's vision.

- Technical events such as technical quiz, project exhibition, paper presentations, poster presentations and aptitude test are organized to tap the talents of students.
 - The institution also arranges industrial visits, field trips, industrial training for students and faculties at different places to understand the industrial culture and functional challenges.
 - Each department interacts with the industry to assure its needs and fill the gap in the curriculum. The institution organizes different workshops by inviting industry personnel to address students on recent trends in the technology and to update their knowledge. Total 27 activities organised with industries.
 - The institution library has a state of art infrastructure and resources such as reference books, journal papers, e-journals, NPTEL videos and DELNET software's, Shodhganga etc. for enhancement of knowledge.
 - **Research and Development Cell** facilitates for creation and transfer of knowledge by conducting technical workshops, seminars, industrial visits, Training programs, Conferences, Technical presentations for students and faculty members. Total 42 Workshops / seminars organised on IPR.
 - **WISOTECH- a National level technical symposium was started in year 2010** and is held every year to inspire students for innovation, paper presentation, project exhibition and competitions related to emerging trends in technologies are held. This would be an added advantage to the students to develop their skills.
 - The faculty members are publishing their research papers in the reputed journals as well as conferences at National and International level. The institution provides financial support to the faculties and students for publishing their research papers.
- Research articles published in SCOPUS/SCI/WOS/ UGC Care – 122
 - Books Published - 02

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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: 42

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
29	6	5	2	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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: 1.12

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
43	21	17	12	29

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	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: 0.08

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
1	1	3	1	3

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document

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:

- The institution extends research culture through neighbourhood network to fulfil social responsibilities. Issues related to Environment and Sustainability is taken care in the curriculum through courses such as Environmental Studies.
- The Institute organizes every year the orientation program for the newly admitted students to inculcate the importance of community service to sensitize and motivate.
- The Institute organizes and motivates the students to participate in various extension activities with a dual objective of not only sensitizing students about various social issues but also contribute to community in terms of projects and strengthen the community by participating in awareness programs, health camps etc. at regular intervals.
- Students are motivated to do innovative projects which solve social problems and meet the essential needs with academic projects.
- As a part of the extension activities which emphasizes community services, NSS Unit provides free medical aid, Free Dental Check up, supplies food for the pilgrims. NSS unit has undertaken the variety of Activities which directly benefit the Society and the people.
- Apart from this, NSS unit is organizing Swachh Bharath Abhiyan, Plastic Free Campus activities

in and around the campus and also in adopted villages. Under ‘Swachh Bharat Abhiyan’, Students initiate drives to create awareness about cleanliness etc.

- Awareness seminars and workshops on social issues like women empowerment, gender sensitivities are organized. Blood donation camps in collaboration with different blood banks such as Hedgevar Blood Bank, Akshay Blood Bank, Damani Blood Bank, Ashwini Sahakari Gramin Rugnalay Blood Bank etc. are regular feature.
- Students participate in many of the socially sensitizing programmes related to Tree Plantation, Yoga, Save Water Awareness, Voting Awareness Program, Gender Issues.
- The social outreach programs includes awareness programs such as Water Conservation, Computer Literacy, Blood Donation Camps, Educating Rural populace, awareness against the Plastic Bag, a Program on Women Safety, Traffic Safety Awareness Program etc.
- The Institution organizes the events like International Yoga Day, Women’s Day, the birth and death anniversaries of great Indian personalities.
- Teachers' Day, Engineers' Day, Independence Day and also organised Har Ghar Tiranga on 75th Independence Day, Republic Day are celebrated to promote the universal and human values, National integration and communal harmony among the students.
- Many of these events were covered by the leading newspapers and news channels. The huge response and success of these events exhibits the effort and sincerity of intensions of the members.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

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

Response:

Vidya Vikas Prathishtan College of Engineering and Technolgy (VVPIET), Solapur is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad. VVPIET is well-known for the quality education The Institute is engaged in 360 degree development of students through quality education, social activities, campus selection and research oriented culture to make students more employable and good citizens with patriotism.

Extension activities are conducted by the NSS team of the Institute. Students are motivated to participate in social activities while enhancing professional career. Institute continuously supports the students to participate in extension activities to create social awareness among them. One of the outstanding activities arranged every year is Blood donation camp.

The research work of Prof. Dr. Nanasaheb J. Sathe has been recognizied by VDGGOOD Vasco Da Gama,Goa,India, by awarding International Scientist Awards 2021.

Prof. Dr. Umesh S. Mugale has been awarded “Best Teacher Award 2019” by Bank of India, Solapur 2019.

Prof. Avinash A. Patil has been awarded “Best Teacher Award 2019” by Bank of India, Solapur 2019.

Prof. Umakant M. Rawat has been awarded “Best Teacher Award 2019” by Bank of India, Solapur 2019.

The social work of Prof. Dr. Gorakh K. Deshmukh has been recognized by Association of Maharashtra English medium school, Maharashtra by awarding Social Services Award 2018.

The social work of Prof. Dr. Gorakh K. Deshmukh has been recognized by Avishkar social and Educational foundation (india) by awarding Rastrastariya Avishkar Udyogshri Puraskar 2018.

Prof. Dr. Gorakh K. Deshmukh has been recognized by Association of Consultancies Practicing, Maharashtra by awarding Life time Achievement civil Engineer Award 2018 for his contribution in Civil engineering work.

Prof. Dr. Gorakh K. Deshmukh has been awarded with “Shikshanratna” by Sanskritik Mandal Solapur 2018 for his contribution in teaching field.

File Description	Document
Upload Additional information	View Document

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: 46

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
08	08	10	10	10

File Description	Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document

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: 24

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	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

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:

Institute provides a sound academic and technical infrastructure augmented with co-curricular facilities to ensure the all-round development of the students.

Classrooms and Laboratories

The Institute fulfils all the norms specified by the statutory bodies in terms of land requirement, instructional, administrative and amenities area and regularly updates the physical infrastructure to meet AICTE / University requirements. The institute has 19 Classrooms, 04 Tutorial Rooms, 43 well-equipped laboratories with latest equipments for all the UG and PG programmes. Seminar halls, Drawing Hall, Departmental Libraries, HOD Cabins, Faculty Cabins, Departmental Offices, Boys' Common room and Girls' Common room etc are provided.

Computing Equipment

Round the clock internet lease line facility with 100 Mbps broadband 50 Mbps speed and Wi-Fi campus with modern computing facilities. The institute has provided Computer Systems, colour and black & white printers, scanners etc. as per AICTE norms. The students can utilize the systems during and beyond college hours to fulfill their academic needs.

ICT Enabled Facilities

The Institute has improved the teaching-learning process with contemporary aids and ICT Enabled Classrooms with LAN/Wi-Fi facility, LCD projectors, Smart Boards etc. The Smart Class Rooms and Seminar Halls are used to conduct the special programmes like seminars, workshops, symposiums, co-curricular and extracurricular activities.

Sports and Games:

The indoor and outdoor sports facilities are provided for various games inclusive of Cricket, Football, Basketball, Volleyball, Kho-Kho, Kabaddi, Chess, Carroms, Badminton and Table Tennis etc. to ensure the focus of the institute to provide extra-curricular activities to the students.

Yoga Center :

Institute believes that yoga is what mankind need most today and thus celebrates International Yoga Day every year on 21st June. Institute has started Yoga Center to enlighten students and faculties. Yoga and Meditation sessions are conducted for students to channelize their focus and expand their energy to train and sharpen the body, mind and spirit in the right direction.

Gymnasium:

The recreational facilities for the students like gymnasium are established in the campus, with comfortable atmosphere provides a pleasant background in which regular exercise and relaxation becomes a real pleasure, in a friendly & intense atmosphere. The institute provides good infrastructure with variety of equipments which fulfills sporting and fitness needs of the students through gymnasium.

Cultural Activities:

Cultural activities are carried out by cultural club. Every year, institute has a vibrant celebration of Ninad - Annual Cultural activity and Tarang - Art Exhibition. The aim of the institution is to encourage the students' multi-talents in various aspects, apart from academics. During the cultural activities, talents of the students are established through on-stage and off-stage events like Solo Dance, Group Dance, Solo Singing, Group Singing, Mime, Drama, Photography, Vegetable Carving, Rangoli etc.

Other Facilities

The institute has an automated library with 15,935 volumes of books on different disciplines to provide effective learning resources to the students. The students utilize the library facilities and reading hall during and beyond college hours.

The institute has 35 KVA generator in the campus.

The campus has barrier free environment to facilitate for the physically challenged persons.

College bus facility is provided for students, which cover most of the areas in and around the Solapur.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

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

Response: 19.42

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
9.09	1.86	42.1	43.3	54.68

File Description	Document
Institutional data in the prescribed format	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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:

Library automation is extremely important in this age of technology as there is tremendous growth in the different fields of knowledge and need for access to the desired literature. Institute has taken an initiative to move its library towards paperless functioning through the use of automated library management software. It is difficult to have access to the desired literature with manually operated devices. Library automation enables acquisition, cataloguing and circulation.

The Automated Library System used by the institute is an Integrated Library Management System (ILMS) with interfaces for different kinds of systems at the institution level.

It also means interfaces for similar systems at the inter-organizational level, as a result of which resource sharing and collaboration can now be taken to a new level. An ILMS is usually comprised of a relational database and software to act on that database and two graphical user interfaces one for patrons, one for staff. Most of the ILMS software functions in discrete programs called modules, which are then integrated into a unified interface.

Ample Trails provides Library Management System which is very easy to use and fulfils all the

requirement of a librarian. There are many features which help librarian to maintain records of available as well as issued books.

List of features of Library Management System which provides Ample Trails offered in Institute

- Maintain record of different categories like; Books, Journals, Magazines etc.
- Maintain record of complete information of a book like: Book name, Author name, Publisher's name, Date/ Year of publication, Cost of the book, Book purchasing date/ Bill number. Automatic fine calculation for late returns. Different criteria for searching a book.
- Different kinds of reports like: total number of books, number of issued books, number of journals etc.
- Easy way to know how many books are issued to a particular student.
- Easy way to know the status of a book.
- Event calendar for librarian to remember their dates.
- Online access for registered user to see the status of their books.

The Library with an area of 440 Square meters and Reading Hall seating capacity of 150 students has a well stockpile of books which include the book bank scheme, National, International Journals, e-journals and Daily News papers. Library has a collection of project reports, magazines, previous year question papers, dictionaries, posters and multimedia packages like CDs and DVDs.

The institute is a member of DELNET, NDL and N-LIST to access e-books and e-journals. Library is automated through ILMS, OPAC and NEWGEN software.

Encyclopedias are also procured to refer the depth of the knowledge in the subject and the history of many things. The library holds special collections of Encyclopedias in addition to printed and manuscript resources. Digital library services offer access to digital content.

e-Resource Packages are subscribed. Knowledge resources in the form of e-journals, e-resources and NPTEL video lectures are available.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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:

The institute has the latest IT infrastructure facilities, such as internet band-width, configure computers, all the classrooms and seminar halls equipped with LCD projectors and ICT facilities for the teaching learning process. For internet access to students and faculty, the institute has well equipped adequate number of systems with internet connectivity. The institute regularly updates its existing IT facilities.

The Institution implements Bio-Metric attendance system to all teaching & non-teaching members. Sufficient numbers of Printers and Scanners are available on the campus and are increased as per the requirement. All HODs and other higher administrative authorities have access to a scanner and printer. Institute has 252 systems with lease line internet connectivity of 100 Mbps, 50 Mbps broadband connection. The students get access to computer labs.

- The students are privileged to have unlimited access round the clock to computer labs. The laboratories are equipped with structured LAN and other relevant software. Wi-Fi connectivity is provided in the institute with 50 Mbps connection.
- We have state-of-the-art computer laboratories with network. The ratio of computers to students is more than required as per AICTE norms.
- All departments, staff rooms and offices are provided with internet facility.
- Computer Science and Engineering Department takes care of the IT related needs of the campus such as hardware and networking. Taking into consideration the requirements of all the stakeholders IT infrastructure facilities are created. Computer laboratories are equipped with state-of-the-art technology and are available to all the staff and students.
- LCD Projectors and Smart Boards and are used to deliver video clips and PPT presentations as on required basis. Printers and Scanners are available for staff to effectively fulfill their academic requirement.

Licensed software

- All licensed and Freeware/ open source softwares required for the classes, laboratories, research, training, certification are procured and being used in the campus.
- Institute has computer centre with necessary software and Internet connectivity. This is open to students during and beyond the college hours.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

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

Response: 2.43

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

Response: 220

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

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: 6.14

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
4.65	1.77	13.67	11.26	16.39

File Description	Document
Institutional data in the prescribed format	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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: 87

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
450	540	543	441	421

File Description

Document

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

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[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](#)

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: A. All 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)	View Document
Report with photographs on ICT/computing skills enhancement programs	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

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: 22.81

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
65	246	68	179	70

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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: A. All of the above

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

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: 47.99

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
97	130	69	46	76

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
190	262	126	96	197

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)	View Document
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)	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

5.2.2

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

Response: 0.44

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	1	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	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

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: 4

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	1	3	0

File Description

Document

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[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](#)

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: 21.8

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
5	0	39	39	26

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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:

The concept of Alumni association evolved for the needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between students institute life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends work hand in hand to help each other for achieving the goal.

- **Formation of Alumni Association**

The institution has registered the "Alumni Association of VVPIET, Solapur" on 28th January 2016; it is functional and renewed on 13th June 2023 as follows,

Prof. (Dr.) Gorakh Krushnath Deshmukh	President
Shri. Amol Soudagar Chavan	Vice President
Prof. (Dr.) Umesh Surendra Mugale	Secretary
Shri. Mandar Vyankatesh Kulkarni	Joint Secretary
Shri. Jitesh Krushna Roman	Treasurer
Shri. Rohan Ramesh Kurri	Member
Md. Shoaib Nazeer Sayyed	Member
Shri. Gaurishankar Dikonda	Member
Shri. Hrushikesh Shrinivas Chougule	Member

- **Aims and Objectives of Alumni Association**

- To provide a forum for the passed out students of the Institute to meet and discuss the matters of common interest.
- To invite the alumni to visit the campus and take their suggestions for the future improvement of the institute.
- To request the alumni to extend their contributions towards the development of the institute.
- To help the unsettled alumni with the support of alumni.
- To provide platform for research work with the support of alumni those are working at various organizations.

- To organize National and International seminars/conferences/lectures etc. on topics of science and related areas to share the current knowledge among the alumni.
- To conduct meetings regularly at least once in a year.
- To inspire alumni to enhance the leadership of the institute and stay connected.
- To help the authorities to improve the academic and cultural activities of the Institute.
- To arrange and conduct programmes of general and technical nature.
- To support the institute for its various activities.
- To strengthen ties between the institute and alumni and encourage upcoming students also to participate in the various cultural and social activities.
- To do all other such things as the association may consider necessary.

• **Plan of Action**

- Preparing agenda and conducting meetings of the association.
- Conducting training sessions on industry practices and professional approach by alumni.
- Felicitation to achievers.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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 produce universally competent dynamic engineers who will be instrumental for the development of society.

Mission:

· To foster a new generation of outstanding technical persons who will be catalysts of change and march towards excellence in the fields of engineering which will ultimately benefit to society.

· To enhance career opportunities for students through exposure to industries with new technologies, methodologies and appropriate skills.

The vision and mission statement defines the institute's distinctive characteristics in addressing the needs of stakeholders involved. In adherence to the above vision and mission management constituted a Governing Body which considered the feedback of alumni, employers, parents and staff.

Governance of the institution is reflective of an effective leadership:

· The Principal is the Head of the Institution (HoI) who leads the Head of the Departments (HoD) and Coordinators of various Committees.

· The HoI ensures liberal, democratic and barrier free management for the services and ideas of all the stakeholders for better achievement.

· The HoI frames the rules and regulations under the guidance of the Governing body of the institution. He ensures recruitment of faculty with the highest caliber for continuous improvement of the institution.

· The institute's policies, strategies, resources and quality assurance cater to the needs of the institute including academic, research and social responsibilities with an aim.

· The faculty members involved in various Committees for the decisions/resolutions made and have direct bearing in the governance of the Institute.

- The HoI addresses coordination of events and conferences, alumni affairs, training and placement, estate management, hostel, transport issues.
- The HoI ensures the right logistical and academic atmosphere in the institution to assist the learners to become professionally skilled, globally competitive.

Heads of Departments:

- The HoD leads, manages and develops the department to achieve the short term and long term goals in all activities.
- The HoD prepares a timetable, decides allotment of workload and upgrade laboratories in consultation with respective faculty members and also motivates them.
- HoD ensures the effective implementation of curriculum and encourages various activities to learn the subject with practical skills also inculcate Industry Internship and Value Added Programs.
- Prepare and submit the annual budget to the HoI with necessary justification for the departmental enhancement.
- HoD facilitates the staff in preparation and processing of self-appraisal about performance.
- HoD is responsible, accountable for setting and advancing the academic strategy of the Department in line with Faculty and Institute strategic plans.
- Develop and sustain appropriate structures for organizing, consultation, decision-making and communication with staff and students.

Decentralization and Participative Management

The institute believes that good governance is essential to run an effective system for enhancing its outcomes. The objective of decentralization of the governance and delegating responsibilities to senior faculties and HoD, which helps in the appropriate decision making.

- The Governing Body delegates all the academic and operational decision-making power based on Quality policy to the team of Academic Quality Monitoring formulates common working procedures and communicates to faculty for effective implementation.
- Structured delegation of authority & responsibilities is entrusted to encourage the Academic Leadership among the faculty. This ensures their acumen in decision-making with regard to organizing academic, administrative, co-curricular and extra-curricular activities.

Faculty members are entrusted with responsibility as coordinator or convener for organizing seminars, workshops, conferences, FDPs, expert lectures and industrial visits; to have collaboration with industry

for academic benefit.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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 institutional plan is prepared in compliance with the guidelines issued by the University and the Maharashtra Government from time to time for the successful conduct of the academic programs. The strategic plan developed by the IQAC is adopted wherein the goals and action plans are aligned with the Institute's Vision and Mission.
- Faculty and students are exposed to appropriate technology in the emerging fields through transfer of knowledge.
- The institute enables faculty members abreast the latest trends and developments in Research, Technology and teaching methodologies through interaction by deputing them to other premier Institutions for research and by conducting AICTE-ISTE, DBATU sponsored FDPs at the institution.
- All the relevant information regarding latest developments in institute is made available on college website for the information to all stakeholders.
- Institute prepares well drafted strategic plan for achievement of following objectives. The envisioned features of the plan are:
 - To get NAAC Accreditation for cycle-2.
 - To strengthen Institute - Industrial relationship.
 - To reinforce R & D.
 - To motivate the students for GATE, GRE, TOEFL and IELTS examination.
 - To increase the numbers of Sponsored projects.

- To develop Entrepreneurial skills by EDP cell.

The institute has a well-structured organizational structure which clearly shows the people responsible for various tasks and the levels of supervision.

Governing Body (GB):

- The Institute is managed by the GB, discuss and decide policies and action plans for fulfillment of the vision of the institute.
- GB ensures that the institute follows Service rules, Recruitment, Promotional policies and Grievance Redressal Mechanism according to the guidelines laid by the apex bodies like UGC, AICTE, DTE Maharashtra, University and comply them with utmost sincerity.
- Taking decisions or giving approval for decisions taken by authorities regarding matters such as infrastructural development, purchase of major equipment, applications for new courses/ additional intake, affiliation of courses, staff matters, faculty recruitment, major student welfare measures etc.
- The GB continuously monitors the strategic plan and makes suitable advice/direction for the administration to execute the plan. The GB is an apex body in which HoI is the Member secretary. Academics, IQAC & Administrative wings function under HoI. Curricular, co-curricular and extra-curricular sections represent Academics wing.

There are several statutory and other committees which are in place thus, the governance of the institution is more participatory and led by the GB. This ensures holistic growth and development of the stakeholders.

- Co-curricular affairs are looked after by R&D, Library, Training & Placement and EDC, Industry Institute interaction cell.
- Extracurricular programs are organized by coordinators of NSS & Cultural Committee. Sports are conducted by Sport Coordinator.
- IQAC receives recommendations from all HoDs regarding all issues for student, faculty development and overall development of the institute

File Description	Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

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

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

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:

Performance Appraisal system

A. Teaching Staff

- Performance of faculty is judged through their academic performance, technical guidance to students, Initiatives and participation in various activities like seminar, workshops, Conferences, FDPs etc.
- In R&D section, faculty is assessed through Research Papers publication, Research projects, Testing and Consultancy, Patent Registered, Books authored, Conferences/Workshops organized, Honors/Awards/Medals received, Up-gradation in Qualification, Involvement in Laboratory development etc.

- Institutional governance responsibilities, Faculty interaction with outside world, Involvement of faculty in Co-curricular & Extracurricular activities and Association activities are also considered.
- For effective evaluation of the faculty, the other parameters considered are students' feedback, academic preparation and moral.

B. Non-Teaching Staff

- Assessment of performance is based on the factors such as moral, participation in certification and training programs.
- Contribution towards administrative work, efforts for Laboratory Work/Tutorials and University related work.
- Involvement of staff in Co-curricular & Extracurricular activities.

The Performance Appraisal system is designed to foster individual development and identify opportunities for additional support wherever required.

Welfare Measures Extended

A. Teaching Staff

- Teaching Staff members are encouraged to acquire the latest skills by attending orientation and refresher courses for improving Teaching Learning system.
- The institute regularly conducts FDPs, seminars and conferences in various domains.
- Experts from the industry and academia are invited to address the recent technology.
- On duty leaves with financial support is provided to teaching staff members to attend the various conferences, workshops, STTPs etc.
- Staff is covered with Group insurance scheme.
- Study leave is granted for up gradation in qualification.
- Faculties are appreciated for best performances by giving certificates and incentives.

B. Non-Teaching Staff

- Staff members are covered under the Employees Provident Fund and Group insurance scheme.
- The institute regularly conducts and encourages to attend Certification and Training Programs by

sanctioning duty leaves.

- Uniforms are provided.
- Appreciated for best performances by giving certificates and incentives.

C. Other Welfare measures for staff

- Advances against salary are given to the needy staff.
- Premises is provided with Computer, Internet and Wi-Fi facilities.
- R.O. drinking water facility is provided.
- Free institute bus facility to the needy staff.
- Free health checkup camps are organized for staff.
- Centralized reprographic (Xerox) facility
- Sports and Gymnasium facilities.
- Institute is under the surveillance of CCTV Cameras for security purpose.
- Canteen and mess facility

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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: 4.87

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
0	0	3	4	8

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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: 75.51

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
41	37	162	9	10

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
9	8	7	5	6

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

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:

Strategies for mobilization of funds

- Admissions are made as per AICTE & DTE, Maharashtra higher education norms.
- Fees amount is collected from each student as per the norms laid by the Fees Regulating Authority of State Government.
- The amount towards fee collection is deposited in Public sector banks. The amount of fees deposited is utilized for the development of the institute and recurring expenses.
- Grants and sponsorships are received from various organizations including Professional Bodies to conduct Symposiums, Seminars and Conferences etc.

Optimal utilization of resources

- An annual budget is prepared based on the estimates received from the departments and functional units of the Institute and reviewed by the finance committee.
- The allocated funds are utilized for staff salaries, purchase of laboratory equipments, consumables, books, journals, printing and stationery, advertisement expenses, telephone charges, general insurance,

newspaper, audit fee, processing fee for AICTE, administrative charges, DBATU, Lonere affiliation fee, Municipal corporation tax, postage and courier, examination remuneration etc.

- The HoI reviews the utilization of resources and audit the income and expenditure for better handling of resources and effective mobilization of funds.
- For health awareness various programs like sports, yoga and personality development is organized and expenses are made by institute.
- Funds are utilized towards green infrastructure development and waste management activities in the institute.
- Funds are also allocated and utilized for social service activities as a part of social responsibility.

Financial Audits

- Institute carries out internal as well as external financial audits regularly. Employees of institute take care of internal audit while external auditors representing an outside audit firm conducts external audit. Internal Auditors submit the audit report to Audit Committee which in turn submits to Management. They involve in designing Institute's systematic approach to evaluate and enhance the effectiveness of financial processes and also develop specific risk management policies. They also ensure that all policies are implemented effectively.
- Internal Audit is performed by officials deputed from the institute periodically and the reports are obtained before the conduct of the external audit after the closure of the accounts in all respects. During the course of internal audit, all required steps are taken to regularize the accounts, to obtain confirmations for the credit balances and to collect documentary evidences wherever required and will look into reconciliation of unit wise balances with the control accounts and banks reconciliations.
- External audit is done by statutory auditors after the financial year. External auditors are independent of our organization. They provide their experienced opinion on the truthfulness of the Institution's financial statements.
- They observe accounting heads like Fees collected from students, various expenses made, Provident Fund, Profession Tax, TDS, Assets and Liabilities etc. A thorough check and verification of all vouchers of the transactions is carried out in each financial year. The observations given by the auditors are duly complied with.

Based on the consolidated reports, institute submits the annual returns every year to Income tax authorities and the other relevant authorities concerned.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. 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 established in 2013, which plans and monitors academic excellence and has been functioning to foster various activities to make everyone aware of quality assurance strategies and processes. As per the suggestions by IQAC, the academic plan is streamlined and strengthened every year with incremental improvements.

Quality initiatives undertaken by IQAC for improvements:

- The institution through its IQAC makes rigorous and continuous efforts to study, analyze and improve every strategy of the institutional activity with a view to achieve, sustain and enhance quality with an aim to achieve excellence.
- Continuous feedback, Academic Audit, Feedback from alumni, industry, parents, students, experts and the community help it to establish quality culture.

IQAC mechanisms and procedures:

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- Equitable access to and affordability of academic programmes for various sections of society. Optimization and integration of modern methods of teaching and learning.

Functioning of IQAC

- Development and application of quality parameters for various academic and administrative activities.

- Facilitating to quality education and to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback responses from stakeholders on quality-related institutional processes.
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.

Structures & Methodologies of Operations

The Institution has an integrated documented quality management system that covers the various activities of the institution. The members of IQAC provide orientation on the quality management system. The improvement areas are identified in review meetings and audits are tracked with corrective action plans. Following are the committees and their responsibilities.

Department Advisory Committee (DAC)

IQAC constituted DAC for each department, which consists of HoD, Senior Faculty Member, Alumni, Expert from Industry and Academia.

Achievement Strategy:

- Faculty of each course prepares a course file as per OBE for effective completion of syllabus.
- Through Academic Diary syllabus coverage and students' record is verified and attested by the HoD and HoI periodically.
- Classes are arranged for weak students to improve their conceptual understanding.
- Internal Academic Audits are conducted periodically by the Internal Academic Audit team.

Incremental improvements

To enhance the quality in academic and administrative domains, various IQAC initiatives are implemented incrementally so as to keep in pace with the expectations of stakeholders. Few are mentioned below:

- The institute has applied for ISO certification and got after due verification
- External Academic Audit is carried out by DBATU, Lonere successfully and achieved grade 'A'.
- Assistance for improving employability including entrepreneur training and specialized skill

training was provided to students. Due to such continuous efforts, students of all departments were placed in various reputed companies.

- Digital library established in the institution for Modernization and computerization of library.
- Institute has signed MoUs with Industries for internships, workshops and placement training.
- Institute included in 2f, 12B by UGC, New Delhi.
- The focus was on up gradation of competence in knowledge and skills for better Teaching at UG/PG Levels

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

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

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:

VVPIET aims to maintain gender equity and social equity, create awareness among students about the gender imbalance in society and professional arenas for reasons of safety and security through conducting sensitization campaigns, training programs, and workshops. Active Anti Ragging Committee, Grievance Redressal Cell, Internal Complaints Committee are constituted and are concerned about gender sensitivity. It has formulated a policy on the Prevention, Prohibition, and Redressal of Sexual Harassment and discrimination. Institute encourages girls and boys to participate together in academic, cultural, sports, and social activities. VVPIET celebrates 'Women's Day' and organizes 'Ghebharari' programme every year. Students and staff are sensitized on Gender-Equity through webinars/seminars/counseling/guidance sessions etc.

It is mandatory for everyone to wear Identity cards on the campus. Institute has a complaint box for the student's grievances. Fire Extinguishers are placed in prominent locations. For industrial visits, excursions, and study tours, both genders of faculty members accompany the students. Parents' permission is sought in case a girl student participates in outside activities. High end CCTV cameras are installed at prominent locations as well as in most of the classrooms and laboratories to monitor security and safety. VVPIET has Women Empowerment Cell, which looks after the welfare of girl students and lady staff. Motivational talks by eminent speakers, Health checkup camps, speech on health and diet, hands-on training on self-defense are conducted for girl student and staff. Well-trained security guards are deployed at key locations. Mentors/ Proctors counsel allocated mentees in their academic and personal problems to create a fearless environment. Institute has separate girls' and boys' common rooms with adequate facilities. The first aid boxes are kept for emergencies. A doctor is available to attend to the student's health problems.

Institute enthusiastically observes the birthdays of National Heroes. Swachh Bharat Abhiyan, Run for Unity, Unity Oath and number of other programmes are organized as directed by AICTE/DTE. Institute observes International Yoga Day on 21st June every year. VVPIET is celebrating 27th February as Marathi Bhasha Diwas (Regional Language Day) to commemorate the birthday of illustrious Marathi poet Kusumagraj. Environmental Day, Teacher's Day and Guru-Purnima are observed by VVPIET. Ninad, the yearly social gathering, includes singing, dancing, fashion shows, dramas, musical instrument performances, traditional days etc. Numerous additional activities are carried out by NSS, such as Road Safety, Traffic Regulations, etc. The Institute celebrates Independence Day by commemorating the sacrifice of our freedom fighters and leaders. This year Har Ghar Tiranga is celebrated on the occasion of Bharat ka Amrut Mahotsav. Institute Organizes events on national festivals like Khande Navami, and Ganesh Chaturthi. Anniversaries of great Indian personalities like Teacher's Day to commemorate the

birth anniversary of Dr. Sarvapalli Radha Krishnan, Engineer's Day to commemorate the birth anniversary of Sir M. Visvesvaraya, the birth anniversary of Mahatma Gandhi, Dr. B. R. Ambedkar, Shiv Jayanti, Swami Vivekanand Jayanti etc. We also celebrate the birth/death anniversaries of Dr. APJ Abdul Kalam, Rajmata Jijabai, Pandit Jawaharlal Nehru, Lal Bahadur Shastri, Netaji Subhash Chandra Bose, Sardar Vallabhbhai Patel and Savitribai Phule etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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: A. All of the above

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

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:

The Institute endeavors towards maintaining an inclusive atmosphere and strive towards academic excellence, promoting societal, cultural, linguistic, and regional consciousness and other diversities amongst students through the following activities Cultural Diversity: Institute has established a conducive environment for the student's behavior and personality development. Students and staff from different cultural/regional/religious/linguistic/socioeconomic backgrounds work together as a team in a cohesive working environment. Institute has Uniform for All students and faculties .There has not been a single incidence of any kind of disparity/discrimination among staff and students. A typical day at the Institute begins with National Anthem. Institute Celebrates National Unity Day, Environmental Day, Regional Language Day. Speeches are organized on Road Safety to guide the students about their duties and responsibilities. Republic Day and Independence Day are enthusiastically celebrated. Students participate in various cultural activities and competitions in order to acquaint themselves with diverse cultures. Faculties and students celebrated Azadi ka Amrut Mahotsav by hoisting the Tricolour on August 13-15, 2022. Active participation was seen in initiatives like HAR GHAR TIRANGA. Linguistic Diversity Initiatives: It is initiated through spoken English classes for students with poor language skills, and soft skill training for students who speak vernacular languages. Students and staff of different religions and castes work with complete communal harmony. An induction program for newly admitted students is conducted every year to orient them about various facilities, activities, and support provided by Institute. For divyang students, Institute provides barrier-free facilities and assigns staff for assistance, and provides scribes during the examination. Public Awareness Campaign and Contest about Covid19 vaccination were organized. Covid19 vaccination drive at VVPIET Solapur were Organized. On Women's Day, Institute organizes workshops to raise awareness of women's rights, safety, security and health issues. Blood donation camps are regularly organized by NSS. International women's day is celebrated to applaud their achievements and appreciate their contribution and commitment to the

betterment of society.

Institute recognizes Human Values, rights, duties, and responsibilities of the citizens are the perennial streams that alone can stipulate sustenance for nurturing societal values, and moral conduct and creating awareness among the youth and professionals. Institute is working with the aim to mold them as responsible and dutiful citizens of the country. So, the institute is imparting professional education by inculcating a feeling of oneness and patriotism among the student community through the following practices and programs. Workshops on Ethics & Human values, CBCS & National Education Policy are organized. Institute is committed to educating the students as constitutionally aware citizens, sensitized to their Fundamental Rights and Duties. Programs and activities are organized in both departments and student forums. Institute has an active NSS unit where students proactively engage in community service programs. Students undergo Audit course on Professional Ethics & Values. In Induction Programme, sessions on human values and guest talks on constitution, social, environmental and value-based topics are organized. To raise awareness about the importance of nature in our lives, VVPIET organizes activities such as tree plantation, Swachha Bharat Abhiyan, Poster-making competition etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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:

Best Practice 1:

Proctoring/Mentoring

Goal:

- The college would like to achieve the vision of the institution – that of a life – oriented education
- It also would like to improve discipline and human interaction on the campus through the proctoring system.

Context:

The College has class coordinators of their respective classes, they are in charge of handing over the examinations progress reports after every exam conducted, wherein, the academic progress of the

students was monitored, with not much opportunity to look into the strengths and weaknesses in the personal life of the student and guide them. To overcome this problem, the proctoring system was adopted in the College.

The students being at a vulnerable age tend to be rebellious (be it with regard to dressing, use of cell phones, attendance or relationships). The proctor, with constant counseling helps them to cope with their personal problems. This helps the students to be closer to the teacher in charge.

The proctors also strike a balance between the students coming from different strata of society thus creating an environment of self-respect and respect for others.

The Practice:

Proctorship is assigned to each teacher classes they handle. Each staff member is allotted students and She/he is a proctor for all the year of their stay in VVPIET. The proctor register include all academic, co – curricular and personal details of the candidate including his /her family during the start of the academic year.

The proctor teacher helps the student to understand the organizational culture. Faculty provides guidance on issues and guides her/him to choose courses offered in the institution. The proctor points out strengths and areas for development in each student. She/he also helps the student to set long-term career goals and short-term learning objectives to enable them to perform effectively.

The proctor meets her/his wards weekly. Parents are called for interactive sessions to know how constructively their ward utilizes the time at home. Constructive suggestions are made for the overall development of the student.

Parents of achievers are advised by the proctor to encourage their wards to capitalize on their strengths. Slow learners are given tutorials in their weak subjects by the respective teachers.

Sometimes proctors even address health problems of the students.

Evidence of success:

- Proctoring has proved to be the ideal system to have adopted, as tremendous improvements that have been seen in the overall performance of the students.
- There is a significant change and marked improvements in the students' attendance and attitude.
- High self-esteem, appreciation for one-self and respect for others.
- Proctorship was highly appreciated by the parents who felt that their children were in safe hands.
- Students felt that they had somebody to turn to in times of trouble.
- Improved discipline and humanizing environment on campus.
- Indiscriminate use of cell phones reduced.
- Focus towards study, academic activities, project etc.
- Meditation, Yoga, Exercise to maintain good health.

Best Practice 2:

Orientation of Students

Goal:

To make the students aware of the recent technologies and develop various skills. Also, to provide the students with the latest in education facilities and opportunities such as Computer education, Placement, Motivation, Infrastructure Development.

The Context:

Develop students to grab the career opportunities. The issues facing the college in this regard are peculiar to this region. The employment opportunities to any programme undertaken by the institute has to be undertaken keeping this point in mind. During Covid-19 to improve confidence of students.

The Practice:

Teaching aids have been made available on recent technologies and skills. Also interactive meet was organized by IQAC in collaboration with experts from different field. Development of Infrastructure facilities specially geared for students. Teaching aids such as smart boards, LCD projectors, Microphones have been made available in a number of departments/classrooms. Motivational activities are conducted.

Evidence of Success:

Number of industries and entrepreneurs have interacted with students regarding recent technologies, career opportunities and entrepreneurship. These student oriented activities have met with success through the efforts of IQAC. Professional courses have been introduced in the Entrepreneurship Development Cell.

Placement services provided to students:

The institute has a Placement Cell. It often conducts campus interview for the students. This dedicated wing of the institute organizes meetings, counseling sessions and interactions to enhance the knowledge and ability of the students to face placement interviews successfully. Entrepreneurship Development Programmes are conducted by the Entrepreneurship Development Cell of the College.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	View Document

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:

Vidya Vikas Pratishthan (V. V. P.) is founded to provide the quality education in various fields. V.V.P. entered in Degree engineering education in 2009 by starting V.V.P. Institute of Engineering & Technology (VVPIET). VVPIET is the fastest upcoming degree institute and has proved its academic excellence with good academic results. The institute is included in 2(f), 12(B) by UGC, New Delhi. Institute is ISO 9001:2015 certified. The institute is approved by AICTE, recognized by DTE Maharashtra and affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Dist- Raigad, Maharashtra.

The Vision and Mission statement clearly defines the college's distinctive characteristic in terms of addressing the needs of society, the institute's tradition & value orientations.

Vision

- To produce universally competent dynamic engineers who will be instrumental for the development of the society.

Mission

- To foster a new generation of outstanding technical persons who will be catalysts for change and march towards excellence in the fields of engineering, which will help ultimately to society.
- To enhance career opportunities for students through exposure to industry with new technologies, methodologies and appropriate skill.

The Institute imparts quality education by establishing effective teaching-learning process to produce competent engineers with high professional ethics and societal responsibility. Our strengths in curricular, co-curricular and extra-curricular areas have improved the quality of education. Specifically, the attributes like graduation rate, placement for eligible graduating students, students opting for higher education reflect the existence of a high quality undergraduate program. The establishment of the institute symbolizes the ascendance of plateau of achievement of academic excellence. Institute adopts OBE (Outcome Based Education). The institute aims to achieve this by creating a conducive environment for teaching & learning, imparting quality education through demanding academic programs, enhancing career opportunities by exposure to Industries & recent technologies, and developing professionals with strong ethics and human values for the betterment of society. Institute strengths in curricular, co-curricular, and extra-curricular areas have improved the quality of education.

Institute offers courses, among others which go beyond the conventional realm of technical education. Faculty Development Programs and faculty training programs are conducted. Various Bridge Courses and Value-Added Courses, internship are offered to make the learners industry competent. ICT enabled classrooms are more interactive. Students are encouraged to participate in the various technical events. Students are encouraged to identify Final Year projects that use technology to benefit society. Induction programme for newly admitted students Some of the practices which have created a positive impact on

functioning of institution are: encouragement to students and faculty to involve in various activities. book bank facility for students. remedial classes for slow learners. experiments beyond curriculum. Students acquire socially responsible by participating in various programs conducted in nearby villages. Green campus initiatives are implemented keeping in mind the holistic perspective of land use, social well-being, and preservation of the environment Students are encouraged to participate in the various technical events. Students are encouraged to identify Final Year projects that use technology to benefit society. Induction programme for newly admitted students. Some of the practices which have created a positive impact on functioning of institution are: encouragement to students and faculty to involve in various activities, book bank facility for students, remedial classes for slow learners, experiments beyond curriculum. Institute initiates National Education Policy awareness through workshops, STTPs, and guest lectures. Some of the innovations and best practices that have created a positive impact on the functioning of the institution are: Encourage students and faculty to involve in research activities. Book bank facility for needy students. Makeup/Remedial classes for weak learners. Decentralization of academic administration, well-thought student counseling (mentorship)program. Enriched Faculty and Infrastructure: Institute has qualified, experienced faculty who monitor students as guides, mentors, and facilitators. Enrichment of Technical Skill set: Various Bridge Courses and Value-Added Courses are offered to make the learner industry competent as well as their lifelong learning. Problem Based Learning helps build critical thinking and problem-solving abilities among students as learners. To facilitate experiential learning, students are encouraged to take up Internships and industry visits. To inculcate the spirit of learning, students are encouraged to participate in the various events organized in the Institution and outside Institution. Emphasis on Soft Skill Set: To develop public speaking skills, and teamwork and to build confidence, soft skill training is provided through collaboration with internal and external agencies. VVPIET'S Language Lab reinforces English proficiency among learners from vernacular backgrounds. Learners are exposed to a plethora of guest lectures by industry experts, eminent academicians, and well-established alumni. Motivating talks by eminent personalities help promote a global outreach and enrich young minds. Industrial visits are organized for learners to bridge the gap between the curriculum and industry. To build a healthy competitive spirit and maintain physical fitness, learners are encouraged to participate in Indoor and outdoor sports. Students are encouraged to identify projects that use technology to benefit society. Performance of the Institute: Placements: The Institute trust in equipping all students with the right talent and personality to face the industry requirements. The focus is on placement, and on creating new approaches to attract the best from the industry to our campus. The Training & Placement Cell is well equipped with ample infrastructure in terms of Seminar Hall, Meeting Hall for Pre-Placement Talk, Presentations, etc. The Cell maintains a comprehensive database ready for reference of placement drives. The placement cell operates around the year to facilitate contact between companies and graduates. Also plays a key role in guiding the students at the institute for their successful career placement resulting in increased placements in various prestigious companies over the years. Ethical Values and Integrity The Institute celebrates all national important days to inculcate the importance of moral values and significance. Under 'Ninad'- A cultural feast, students showcase national integrity and harmony. Social Responsibility. NSS periodically arranges Blood donation camp, free Dental Checkup camps, tree plantations, traffic Awareness. Achievements: The institute is accredited by NAAC Institute is also certified by ISO 9001:2015. The institute has Active professional bodies and student chapters like IEL.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The Institute strives to bring out and nurture the talents and skills of youths with Quality Technical Education, motivate them to be self-disciplined, and develop their competence to face the challenges of globalization. The endeavors are made

- To provide value-based education.
- To produce Industry-ready Professionals through training in Soft-Skills and Personality development.
- Undertaking networking with Industry, Academic, and Research Institutions
- To provide adequate and furnished infrastructure for academic activities.
- To organize national level Seminars/Conferences.
- To promote Creativity and Innovation among students.
- To conduct a Career -Vision program to facilitate the right career choice by students.
- To encourage Entrepreneurship among students.
- To motivate the students to participate in Co-curricular and Extra-curricular activities.
- To train faculty in modern instructional methodologies to improve their teaching skills.
- To motivate the faculty to publish papers in National/International Conferences and Journals.
- To build relationships with Parents and Teachers to excel students' performance
- To develop and promote Green Environment.
- To provide a quality environment and services to all Stakeholders.
- To teach and follow Ethical, environmentally responsible Engineering practices.
- To attend to issues of national relevance.
- To respond to the changes in both technology and applications.
- To provide systems, resources, and opportunities for continuous improvement.

Future Plans-

- To modernize all laboratories considering the latest requirement and development in thrust areas.
- Qualification improvement of faculties.
- Increase industry Institute interaction.
- To inculcate awareness of self learning in students.
- To provide competitive exams coaching through experienced faculties.
- To be a recognized competent institute at state level.
- To establish R and D and consultancy centre.
- To achieve 100% placements.
- To achieve maximum success ratio in competitive examinations.

Concluding Remarks :

- VVPIET is an institute having a motto to serve the society through education.
- Quality technical education is imparted through student-centric teaching learning practices to students of rural areas of this region. Efforts of the Institution in this direction are furnished in the form of descriptive summaries along with essential data under each criterion as a proof.
- Right from the Inception, the Institute has grown both in size as well as stature till this day and promises to continue its progressive mode and initiatives for the overall development of students as conscientious engineering professionals with knowledge, communication skills, and problem solving skills as well as human values.
- The strength of the organization lies in the factor that it internally evolved certain best practices to overcome the inevitable challenging factors.
- The visionary management has made far-reaching efforts to pool resources, attract employees to this work environment to refine its focus as well as modus operandi to accomplish vision it has set for itself.
- Management of the Institution always perceives that the growth in infrastructure, academics, research, co-curricular, extra –curricular activities to create awareness on social and national issues, activities to contribute to local community, is maintained as per the expectations of NAAC- a wing of UGC.
- The NAAC accreditation process would provide us an immense scope for continuation of this noble service. The feedback, we receive would certainly help us refine our best practices and achieve distinction. This accreditation will serve as a great morale booster to our institution as a centre for higher education.
- The institution has all statutory committees and other non-statutory committees that take care of policy decisions related to academic and non-academic activities and their implementation.
- IQAC has been contributing significantly to sustain and enhance the quality in all respects of the institution functioning. The faculty and staff are governed by the service rules of the institution in line with the regulatory bodies.
- The institution practices outcome based education with defined COs, POs and PSOs for each of the courses. ICT tools have been used in the delivery of the courses and hands-on training has been offered in advanced courses in addition to the regular laboratory experiments. Blooms taxonomy is followed in the preparation of the lesson plan, assessment and evaluation.