



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Vishwakarma Institute of Technology, Pune
• Name of the Head of the institution	Dr. Rajesh Jalnekar
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	0202420221
• Alternate phone No.	0202420221
• Mobile No. (Principal)	09552544489
• Registered e-mail ID (Principal)	director@vit.edu
• Address	666 Upper Indira Nagar Bibawewadi, Pune
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411037
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	17/07/2007
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. Vijay Gaikwad				
• Phone No.	8788923835				
• Mobile No:	8788923835				
• IQAC e-mail ID	dean.qa@vit.edu				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.vit.edu/images/PDF/AQAR_2021_22.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.vit.edu/images/News/academic_calendar_sem2_22-23_2.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.29	2013	08/07/2013	07/07/2018
Cycle 2	A++	3.53	2018	02/11/2018	01/11/2023
6.Date of Establishment of IQAC			26/07/2013		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Vishwakarma Institute of Technology, Pune	Autonomy	UGC	01/07/2020	0	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				

9.No. of IQAC meetings held during the year	02	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>* Innovation-centric teaching learning to inculcate creativity and innovation in students * Design thinking course for every semester * Engineering Design and Innovation course for every semester to improve the quality of students' projects for socio-economic development * Student centric career guidance and personal mentoring * Development of Research Eco system for benefit of Students and Faculties.</p>		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		
Plan of Action	Achievements/Outcomes	
Course on Design Thinking to strengthen research culture among the students	Research outcome in terms of quality publications patents.	
Institutional Support for research and training and development	Research ecosystem for achieving the research outcome.	
Student centric career guidance and personal mentoring	Improvement in Placement and Higher studies	
13.Was the AQAR placed before the statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name of the statutory body	Date of meeting(s)
Board of Management	29/11/2022

14. Was the institutional data submitted to AISHE ?	Yes
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<ul style="list-style-type: none"> • Year 	
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Year	Date of Submission
2021-22	20/01/2023

15. Multidisciplinary / interdisciplinary

The changing scenario of engineering and technology expects students to have a knowledge of a variety of disciplines.

The Institute has since long recognized this need and has introduced a number of courses of interdisciplinary and multidisciplinary nature.

With the advent of growth in areas of robotics and automation, the institute conducts two courses of around 50 hours each approximately. Students learn basic ideas from mechanical engineering, materials engineering, embedded systems, mathematics for guidance and navigation systems for the robots. They actually build the robots. This exposure also helps the students in successful participation in various national and international robotics events

The students also learn mobile app development. This provides a creative opening for their Ap development ideas.

Students also develop codes in programming languages and learn to interface hardware with software.

Drone development, computer vision based applications are developed from these academic opportunities.

Besides the exposure to robotics and programming and allied interfaces, the students learn the basic concepts of Internet of Things, which helps them develop smart systems on integrated platforms using various bus protocols, networking and embedded system ideas.

Students are also made aware of domain of Data Science in which they are given knowledge about various statistical programming platforms such as R, and also fundamental ideas of descriptive and inferential statistics are taught and are applied on data bases for realization of Data Science principles.

The working knowledge of Data base management is also vital, which is shared with them in a theory course supplemented with practicals.

Another emerging area that is captured is 3-D printing and manufacturing. The basic ideas of this vital area are also covered.

Besides these, students perform Engineering Design and Innovation projects, where there is a distinct emphasis on using the multidisciplinary approach. These projects have also resulted in innovative outcomes, research publications, patents, prototype product developments etc.

16.Academic bank of credits (ABC):

The Institute has not registered for the Academic Bank of credits in Academic Year 2021-22.

17.Skill development:

The curriculum and assessment patterns in the Institute are specifically aimed at honing and nurturing diverse skills of the students.

Upto date technical knowledge: The curriculum is updated dynamically to meet the changing demands of the industry and society at large. The technology changes at a rapid pace. Besides the faculty the involvement of other stakeholders such as industry , alumni, parents, government also ensure that content provided to the students is up to date. The Industry advisory board, department board of studies, academic board, alumni interactions, IIT mentor guidance all steers the curriculum towards the coverage of curriculum that meets the needs. The faculty training and development practices also ensures that the faculty have been made aware of the technological developments and have grasped the contents, and are poised to deliver them in a pedagogically conducive student friendly manner. The hardware, software and other laboratory support is given from time to time, to help the students realise the emerging ideas. Various hackathons, students contests and events provide the right opportunity for the students to showcase their acquired abilities. Students' seminars and group discussions activities provide an assessment centric platform for

validation of such skills.

Communication: besides the technical knowhow, as a successful engineer, it becomes very essential to convey the ideas to various diverse audience from time to time. An engineer essentially works at an interface between the technocrats on one side and common non-technical, unskilled yet equally valuable members of the society on the other side. Hence communication skills of the Engineer are as vital as the technical skills. Group discussions and group presentations are a vital assessment component using which help in enhancing communication skills.

Leadership: The leadership skill is also vital for the success in professional and personal life. Many situations arise when these skills are tested and being a mere technocrat is never sufficient. Hence with the help of various presentations, course projects, assignments, student activities, speeches on platforms such as TEDx, these skills are nurtured.

Interpersonal: Various group activities and assessments mentioned above, provide another rightful opportunity to the young engineers to hone these equally vital skills. The interpersonal skills help the students to be a good team member, a dedicated and reliable follower as well as a leader at times.

Creativity: Creative solutions from scientists and technocrats have made the world as advanced and as developed as we experience today. For every course, a Course project is to be made, which is an open ended assessment that allows the students to provide a creative solution for a technical problem. Also Engineering Design and Innovation (EDI) project, is a platform that allows students to showcase their creative talent. EDI has been the cradle of many creative solutions, especially during the Corona pandemic.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The historic Indian knowledge system has been the guiding light for the mankind for thousands of years. The epics of Ramayana, Mahabharata, Jatak tales and other stories of Lord Buddha, Bhagwan Mahavir, Guru Nanak ji, Chhatrapati Shivaji Maharaj, Rana Pratap are in the bloodstream of the people in this country.

The Institute also benefits from such rich heritage and as members of this responsible generation plan and deliver human values and ethics course to the students in First year of engineering. The

course covers ideas of human nature. The Engineering students have a significant Intelligence Quotient. The course focuses on empathy and emotional quotient. It also narrates instances where the great philosophers, idols demonstrated these characteristics. This course goes beyond the Engineering curriculum to teach student, the human values that would be a value addition in their lives for ever.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Specific outcomes are laid out from student learning in Outcome based education. The structures and curricula are designed to achieve these abilities and objectives in the Institute. Accrediting bodies both internationally and nationally have focussed on outcome based education, and our Institute is amongst those who have used the academic ability to achieve it to the fullest.

For each of the courses, appropriate course outcomes are carefully articulated. Bloom's Taxonomy is considered while articulating the course outcomes.

Various assessments are synced in line with the Blooms taxonomy. Based on the level of outcome, attainment levels are set up. The academic rigor is maintained in these assessments. So the attainment levels truly reflect the scholastic abilities of the individuals and the classes.

Various innovative and flexible delivery methods are used while teaching. Students are brought in confidence about the concept of Outcome Based Education and then practices are followed.

The processes, assessment steps are documented. The evidences of success of implementing the processes or the improvements done based on the non-attainment are documented.

The course outcomes are all carefully linked with the program outcomes. The skills, knowledge and behaviour the students acquire are documented in the program outcomes.

Engineering knowledge, Problem analysis, Design and development of solutions, investigation of complex problems, modern tool usage related aspects are linked with the appropriate course outcomes. These program outcomes are linked with most of the technical nature theory and laboratory courses as well as linked with the allied assessments. The course outcomes are linked with an appropriate amount of linkage with the Program outcomes as per the relevance.

A variety of activities, right from the fresher welcome to the send off are planned and linked with the outcomes, since these events act as avenues for the students to showcase their abilities.

Students work as individuals and teams to protect environment and suggest ideas of sustainable development, which are documented in an organized manner.

Carefully crafted sports, curricular and co-curricular activities act as enablers for the ethical practices, individual and team work as well as appropriate communication with the peers, seniors as well as the sub-ordinates.

Assessments such as projects, course work, home assignments, various student activities, sports activities, cultural events are a crucible from which outcomes are demonstrated. These activities are chalked carefully, student responses are documented numerically or categorically and systematically used for quantifying the outcomes.

The institute therefore believes firmly that it has imbibed the Outcome based education approaches in its daily practices and all stakeholders contribute for its success. The students, our focus are ready to take up challenges that are unseen, or not yet existing since they have been nurtured in the habits of life long learning.

20.Distance education/online education:

The Institute in its current status and affiliation does not conduct distance education and / or online education activities

Extended Profile

1.Programme

1.1 9

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 6043

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1543

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

6014

Number of students who appeared for the examinations conducted
by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

277

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

327

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	9
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	6043
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	1543
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	6014
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	277
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	327
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	327
Number of sanctioned posts for the year:	
4.Institution	
4.1	600
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	44
Total number of Classrooms and Seminar halls	
4.3	1850
Total number of computers on campus for academic purposes	
4.4	5628.68
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of Vishwakarma Institute of Technology is the USP of the institute and all the processes, activities and outcomes are centered around it. It is aimed at development of every student to bring out technological change at national and International level.

Vishwakarma Institute of Technology leads at the forefront by

developing curriculum as per the dynamic need of the engineering community and society at large which includes industry, universities of high repute at National and International level, Civil and Defense services, entrepreneurship skills. The institute works in collaboration with Industry and other academic Institutes to revise the curriculum every 2 to 3 years, to make it purposeful, progressive, outcome based, industry relevant and increase employability of the students.

The curriculum designed after careful consideration of stakeholder feedback and deliberation by various committees is conglomerated with learning objectives. It is finalized after adding learning objectives in terms of program outcomes, program specific outcomes and course outcomes. The program outcomes are in synch with apex accrediting bodies like National Board of Accreditation and are also aligned with core professional bodies of every program. The program specific outcomes are decided by the Board of Studies committees of individual programs and the course outcomes are designed by course owners and finalized in the Board of studies.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

8

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

318

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

4

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

For institution, cross-cutting issues relevant to Professional

Ethics, Gender, Human Values, Environment and Sustainability, and Human Values are very important. The Institute focuses on not only preparing technically competent Engineers, but also responsible human beings. The challenges of the new generation regarding ethics, moral behaviour are addressed, with courses focussing on Indian philosophy, psychology. Gender equality is promoted by means of arranging group activities, inspirational sessions by leading ladies from the society. Environmental science courses are also designed to ensure student awareness about the environment. Human values are also covered in courses of Indian philosophy and psychology.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

110

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

25896

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

4542

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.vit.edu/images/NAAC/Students_Satisfaction_Survey_AY_2022-23.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1375

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

552

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Vishwakarma Institute of Technology recognizes the need to adapt to the different learning levels of students and has introduced many policies to give students individualised learning experience. Students who come for admissions have to go through a systematic admission and pre evaluation process. These students come from diverse socio-economic, rural-urban, in state-out state, Foreign National backgrounds and this is reflected in their basic knowledge of English, communication skills and Mathematics.

In order to bring all the students on one platform and to confirm uniformity in the basic knowledge of Mathematics and English, the institute has decided to identify the weak students in the said subject by conduction entry level test for English and Mathematics at the time of admission. The test is mandatory for all the students taking admission in the institute. The English test is for 80 marks which consist of questions based on grammar, listening comprehension, reading comprehension, synonyms, antonyms etc. While mathematics test is for 60 marks which consist of questions based on algebra, geometry, matrices, functions and their graphs, derivative, integration, differential equations and probability. This test is designed by highly qualified and trained teachers considering all the above perspectives. The duration of test is one hour and is like the aptitude test with multiple

choice questions. Below par students are offered a foundation course in English and mathematics.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/08/2022	15	1

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

The focus of teaching-learning is experiential learning as it enables a much better fulfilment of learning objectives. With this in mind, Project based learning was introduced since AY 2017-18 wherein students do multiple course projects to apply the concepts learned in class. After implementing the concept for one semester, appreciative improvement in student's performance was observed.

Besides the course projects, students work on semester long projects, in which they work collaboratively in team to solve real life problem. They brainstorm and collectively apply their knowledge and skills for solving the problem. Students are encouraged to increase their outreach and industry connects through internships, industrial/field visits and field surveys. Students prefer to go for short duration (2 month summer) internships and semester long (6 month) internships in industries.

They "experience" methods, processes, phenomena and work culture and try to assimilate in themselves. They also prepare questionnaire and conduct survey in targeted population to collect, analyse data and draw inferences on certain scenarios. Participative learning is enhanced as students are made to

participate in quizzes and group discussion in the class, which is also a part of the assessment.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The teachers in the Institute are academically upright and alert. They are always on the look-out for various ICT enabled tools that support conventional teaching-learning practices. With the Corona pandemic, it became imperative to use the ICT enabled tools. The institute conducts the faculty development programs systematically. Various effective sessions were conducted from time to time, regarding the use of various online teaching learning platforms such as Zoom, Google Meet, Microsoft Teams, Webex etc. This was primarily done to encourage faculty to proactively learn and start using these tools to blend with their conventional teaching learning practices. This series of activities was done a few months before the academic suspension due to the pandemic, as if by foresight. This resulted in the faculty and the students being reasonably comfortable with the transition from the conventional teaching learning into the online mode. The entire college teaching learning could migrate onto the online platforms within a week. Since then, during Corona times, faculty covered lectures and tutorials in the online mode. Also laboratory sessions were conducted using reliable simulation packages. The assessments were conducted in online mode. The written exams were carried out in an online mode. Also comprehensive viva voce, group discussions, group presentations, home assignment reviews, laboratory assessments were also carried out online.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

163

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The Academic Calendar is prepared well in advance for the entire year and is uploaded on the college website. The calendar is well planned beforehand so as to ensure various academic events get done in a planned and timely manner. The Academic Calendar consists of dates for commencement of classes for odd and even semesters, dates for commencement of internal tests, last working day for UG and PG programs, commencement of mid semester and end semester theory examinations, and project assessments and total number of working days etc. Courses are allotted to faculty at the department level by the Head of the Department well before the commencement of semester and time tables are ready well before the semester begins. ISO form are also maintained to check the adherence to academic calendar and audited every semester. The outline and schedule for each course is communicated to the students at the beginning of each semester through course plans. Every faculty member prepares a course plan consisting of course outcomes, number of hours required to complete each topic, unit, schedule of assignments, quizzes, innovative methods of teaching, assessment schemes etc.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

327

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

68

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3194

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

9

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- The Institute has adopted a method of assessing the academic performance of the students on a continuous basis. 360-degree holistic assessment scheme is offered for multidimensional growth of students. The evaluation comprises many assessment components like Theory examinations, Multiple choice questions. Seminar, Group discussion, lab exams, course project and home assignment, Case studies, survey ,design and technical blog writing for each and every subject.
- We have involved external examiners in all evaluation of all assessment components.
- In addition to the regular evaluation, student's performance is also evaluated based on in experiential learning activities such as internships, project and seminars.
- Requests for re evaluation have become negligible once we started showing answer sheets to students along with model answer paper and marking scheme.
- One of most important reform is to declare semester result within 8 days of examination.
- Complete automation of examination helped in the successful execution of all examination processes
- Question paper Audits facilitated ease of mapping of course outcomes to program outcomes, checking of implementation of Bloom's taxonomy and ensuring quality of question papers.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Each program has defined their Program Specific Outcomes (PSOs) and each course has defined the course outcomes (COs).

The Program Outcomes (POs), PSOs and POs are communicated to different stakeholders as students, parents, staff members, industry, alumni, employers etc.

It is published in the structure and syllabus of the Engineering curriculum, which is available on the webpage of each Department of the Institute website (www.vit.edu). It is displayed at the entry points of different departments, at office and laboratories of various departments.

It is communicated to students in every semester through Google Classroom. The COs, POs and PSOs are discussed in the lectures by the faculty members.

They are also discussed in the Industry Advisory Board (IAB) meeting and the Board of Studies (BOS) meeting.

They are also communicated to department alumni, members of IAB, members of Board of Studies and other associates from industry and academia.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

COs for all courses have been assigned different attainment levels from 1 to 5. Level 5 is the most challenging level while the degree of difficulty progressively reduces to level 1. Accordingly, the threshold levels are set to measure the attainment of the COs. Program Outcomes (POs) and Program Specific Outcomes (PSOs) attainment is measured by both the direct and indirect assessment tools.

In-semester and end-semester examinations are used as direct tools. The proportion of Direct and Indirect assessment of the POs and PSOs attainment is 80 % and 20% respectively.

Based on the attainment of the Cos, the attainment of POs and PSOs is determined. The attainment of each PO and PSO is determined in terms of the sum of weights (correlation level) of the affected (non-attained) COs (m) and the sum of weights of all COs influencing a particular PO or PSO (M).

The attainment for all Pos and PSOs is calculated as:

$$\% \text{ Attainment} = [(M-m)/M]*100$$

The target level for all POs and PSOs is set as 85 %.

When the attainment is equal to or above the set target level, the said PO or PSO is attained otherwise it is not attained. The data of direct attainment recorded by the individual faculty/course instructor is made available online through the software.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1502

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://www.vit.edu/images/NAAC/Students_Satisfaction_Survey_AY_2022-23.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Vishwakarma Institute of Technology is committed for promoting a culture of research and innovation. As part of our commitment to faculty and student development, we offer opportunities such as industry internships in India / Abroad, seed money, FDP sponsorship, policy for ethics, plagiarism software, collaborative research projects, Ph.D. encouragement, knowledge creation facilitation, training, and various competitions. We encourage each faculty member to leverage their individual expertise to generate funds through consultancy, research projects, training, and patents. This helps to support and promote the Institution's research initiatives by providing opportunities for faculty and students to advance their professional growth and development.

Research Initiatives:

During the period of evaluation, the Institute has undertaken several new initiatives to promote research such as

- Arranging expert lectures by eminent personalities from Industry and reputed institutes

- Developing training modules for faculty and students for

capacity building

- Arranging conferences and workshops
- Submitting quality research proposals for government and non-government funding agencies
- Pursuing consultancy work sponsored by industry.
- Earmarked yearly Research budget including seed money for budding researchers.
- Identification of research thrust areas.
- Guidance and sponsorship for writing patents
- Having a research mentor from reputed institutes like IIT, Industry and foreign universities.
- Providing incentives, awards for excellent performance in research activities such as research grants, consultancy projects, Internal Revenue Generation, publication in quality journals and conference etc.
- Research Appraisal Scheme for faculty members

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

14.69

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

8

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

119.58

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

16

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

33

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Vishwakarma Institute of Technology (VIT) aims to make students future ready including being industry ready. This enforces the institute to impart a strong research and innovation approach in our students considering societal needs. Implementation of a future ready approach has impelled us to have a strong research ecosystem at VIT for undergraduate students. All research of our

Institute aims to be of a high standard. The goal of creating technological and social innovations has emerged alongside R&D-based activities. Technological innovation is one of the primary forces driving economic growth of the Institution. Apart from this, it is impacting on the research outcomes in the form of increase in the number of publications and patents. Further, the research funding and consultancy grants involve many students, which improves their complex problem-solving ability as well as lifelong learning ability. The purpose of research activities is to give a platform for students to present their creative thinking ability & innovations.

Project Based and Project Centric Learning:

Research Strategy of Institution to Enable High Quality Research:

- Focus on socially relevant multidisciplinary applied research for socio economic development.
- Focus on Socially relevant areas- Health care, smart city, defence, green earth, energy, agriculture, pollution, space, and waste management etc.
- Faculty and student capacity building and capacity development
- Initiatives to establish collaborative relations with national, international, and private research institutions.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

115

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

34

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

340

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

572

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

3645

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

46

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

223.27

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1725000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

A number of extension activities were carried out by several student committees in the current academic year. A brief description of the same is given below:

Social Welfare and Development Committee

The Social Welfare and Development department has carried out about 15 social services projects throughout the General Proficiency Audit Course which is compulsory for all second year students. Under this course, every second year student has to perform 30 hours of social service. The social services projects

are identified in certain areas individuals/communities need help and support. The various initiatives in the form social service projects included Digital Literacy for Senior Citizens, House Wives, Women Empowerment, Voter ID registration, Application of Technology for social upliftment, Training Session on Safety Measures, Engaging Sessions & Career Guidance for Orphans, Support to Farmers, Teachers and Small Businesses, Tree Plantation, Literacy programs for Students in ZP schools, Elocution Competition, Blood Donation Camps, Cleanliness Drives at Publics Places, Assist Police Officers - Night Patrol & Police Mitra, etc. All these programs inculcate social responsibilities amongst engineering students.

Vishwa Conclave

VishwaConclave joined a Cleanliness Drive organized for Independence day by the Pune Municipal Corporation, Aadar Poonawalla and many such reputed partners. This was done to increase awareness while celebrating the 75th independence of India.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

10

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

15

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1555

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1623

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

45

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Institute has sophisticated classrooms and well equipped laboratories for teaching / learning process. Classrooms and laboratories are with proper ventilation along with sufficient no. of LED tube lights as well as fans. LCD projectors are provided in all classrooms.

Computer labs contain computers with latest configurations and are installed with no. of licensed softwares.

A central library with numerous books as well as national and international journals helps students in acquiring further knowledge. Reprographic facility is provided in library. Large reading rooms are made available for students to study till 8 PM in the evening.,

CAD centers deploy traditional drawing boards as well as latest computers and plotters. 3D printers are also available in institute.

The institute campus offers wi-fi facility to students which helps in easy access of online resources through internet in classroom as well as in campus freely.

There is a highly functional Training and Development and Placement Cell in the college which is headed by a qualified and experienced full time placement officer..

Institute has state of the art Auditorium which has capacity of 600 people. It is used by students regularly for their technical and cultural activities. Institute has well equipped conference hall with seating capacity of 50 people. Institute has a dedicated stage built for various cultural activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor

and outdoor) including gymnasium, yoga centre, auditorium etc.)

Institute has 630 sq. mtr auditorium with a comfortable audience seating capacity of 650. It has raised stage floor and curtains and rigging. Auditorium has control room for controlling lights & HVAC. Green rooms and attached toilet facilities are provided for convenience of performers. It is acoustically designed to evenly distribute sound throughout the auditorium. Auditorium is continuously engaged by students for preparation and execution of cultural and technical activities. College have won many prestigious awards in cultural activities. Gymnasium facility is provided college by to students. A well equipped gym is available in the campus which is effectively used by students and staff. Gym contained equipment like Bench Press, Lat Pull down, Leg press machine, pull up bar, barbells, dumbbells etc. Well maintained ground is available in campus and used by students for sports like cricket, volleyball, football, Kabaddi etc. Annual sports competitions are conducted in the college. Indoor sports facility is made available for the students who can take benefit for sports like Table Tennis, carom board and chess. Students are supported with required gears, sports materials and accessories from institute. Students got various awards in cricket at intercollegiate level and in badminton at national level. Facility for yoga is made available whenever required. Institute celebrates Yoga Day on 21 June every year.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

36

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4322.65

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The B.B.Lohiya Central library consists of Reference Section, Journal Section, Reading Hall and Stack-Room. The library has unique collection of Encyclopedia, Handbooks, Textbooks, Reference books, 'e'Journals, Video Cassettes, CD'S, B.I.Standards, Video courses etc.

The B.B.Lohiya Central library uses SLIM 21 software. This software consists of modules of Acquisitions, Cataloguing, Circulation, Serial Control, Article Indexing and WEB OPAC. Circulation system of books is based on Bar-Code.

Salient features of library:

- Open Access System for all our students and staff
- Bar - Code based Issue / Return facility
- Internet / Multimedia / Scanning / CD Write facility
- Reprographic facility.
- CD Server facility.
- Book Bank facility for reserve category students.
- On line Public Access Catalogue facility (also available on intranet).
- NPTEL 120 Video Courses on various subjects.
- Support to Online Learning Platform such as SWAYAM-NPTEL MOOCs Courses.
- DELNET Membership, J-GATE Subscription, NDLI Club Membership.
- iThenticate Plagiarism checking software available for all library users.

- Institutional Library Membership of Jayakar Library SPPU, VIIT & Vishwakarma University.
- Vishwakarma Institute of Technology Library offers membership to Industries, Corporate Houses and Organization in public and private sector on request
- High speed computing and internet facilities with Wi-Fi connectivity are available for research.(We have 1.2 Gbps Internet Leased line in our Institute ie. 1 Gbps from Paradise Telecom+ 200 Mbps from Reliance Jio).
- Working hours of library: Monday to Friday: - 10.00 a.m. to 06.00 p.m.
- Reading Hall Timing: - Monday to Saturday: - 08.00a.m. to 09.00p.m.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: A. Any 4 or more of the above e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

3.357

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

327

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Responsible Use Policy: Responsible Use Policy is a valuable guideline by which faculty, staff, and students can review the requirements of legal and ethical behavior within the institute community when using a computer, computer system, or the network. Vishwakarma Institute of Technology Services (VIT) is responsible for implementing this policy, in cooperation with the following:

- Deans and Directors Committee
- Management Committee

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
6093	1873

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus **A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: **B. Any three of the above**
Facilities available for e-content development
Media Centre
Audio-Visual Centre
Lecture Capturing System (LCS)
Mixing equipments and software for editing

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1964.01

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

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

Systems Department is looking after maintenance of IT infrastructure. It includes Computers and Laptops, Internet and Wi-Fi facilities, Firewall, Servers, LCD Projectors, Interactive panel and other related support in various classrooms, laboratories, library, common central facilities. System department looking after this infrastructure, these staff look after Installation of OS and different software in computer laboratories, antivirus and other updates, username, password and IP address updates according to requirement .Also, majorly handle all IT infrastructure Maintenance of Office, Library, Classrooms, Internet Lab and all individual PCs for Entire faculty. Daily administration of Firewall, Antivirus server, ERP server, Wi-F i setup is done by them.

The B. B. Lohiya Central library consists of Reference Section, Journal Section, Reading Hall and Stack-Room. The library has unique collection of Encyclopedia, Handbooks, Textbooks, Reference books, e journals, video Cassettes, CDs, Video courses etc.

The institute has been using SLIM software

For cleaning of campus, third party housekeeping agency is appointed and daily cleaning is ensured. Security personnel are deployed at various entry and exit points on campus. No entry in premise is permitted without proper identification.

Canteen facility is provided to students at two different locations in campus. FSSI certified vendors run these canteen facilities to provide healthy food to students. Food product testing is conducted from time to time and their reports are obtained through competent authority.

Natural green lawn is maintained and utilized by students for various student activities. More than 150 trees of different types are planted on campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1292

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

173

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	www.vit.edu
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1503

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

711

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

72

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

112

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

107

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Council of the institute is divided into two committees, Event Planning and Execution Committee and Social Welfare and Development Committee.

Event Planning And Execution Committee or EPEC is a crew in VIT Pune which manages the planning and execution of all institute level events/festivals held in the college such as Vishwakarandak (inter-department competition), Melange (inter-collegiate competition) including fresher's party are overseen by EPEC. While planning any of the events, students' interests are taken into the consideration and hence there is a huge engagement of students when it comes to fests. EPEC adages of doing each and everything related to planning and execution very efficiently. Anyone who feels can evolve their personality can join this committee in which they'll get the motivation to excellence their work towards their goals.

Social Welfare and Development Committee of the institute is a part of the student council working for the betterment of society. The college students, operate this committee and aim to work towards sustainable development while inculcating social values among the college students. This is done through the various events that are conducted. The flagship events include NSS Camp, Aatmabodh, Blood Donation Camp. In NSS Camp, a group of our college students live in a village for a week as they work for the development of the village in any small or big way possible.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

VISHWAKARMA INSTITUTE OF TECHNOLOGY ALUMNI ASSOCIATION

Registration number: Maharashtra/1892/2006/Pune

Vishwakarma Institute of Technology has approximately 26000 Alumni Spread across the Globe. With the Glorious journey of over 40 Years, VIT Pune is marching ahead with new academic reforms and enhanced outreach. Our every alumnus has an inspirational journey and has an insightful story to share with the fellow Students.

Vishwakarma Institute of Technology Alumni Association Structure:

Vishwakarma Institute of Technology Alumni Board has President, Vice President, Secretary and Treasurer and Member Positions. Passing out Students register as Life Members to the Vishwakarma Institute of Technology Alumni Association (VITAA).

New Initiatives :

Cradle of Achievers: It is a new initiative that captures the spirit of Vishwakarma Institute of Technology. The academic rigour, the culture of creativity and the success of our alumni that makes us The Cradle of Achievers. We have invited our 5 Alumni for this talk show.

The Learning Curve: It is a new series that unravels the journeys of the leading to motivate the younger generations. The alumni share their journey and accomplishments in this series. 7 Episodes of this series are available on YouTube

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year **B. 10 Lakhs - 15 Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision : To be Globally Acclaimed Institute in Technical Education and Research for Holistic Socio - Economic Development

Mission : 1) To ensure that hundred percent students are employable and employed in Industry, Higher Studies, as Entrepreneurs, in Civil/Defence Services/Govt. Jobs and other areas like sports and Theater. 2) To Strengthen Academic Practices in terms of Curriculum, Pedagogy, Assessment and Faculty Competence 3) Promote Research Culture amongst Students and Faculty through Projects and Consultancy 4) To make students Socially Responsible Citizens In line with the Vision Mission Statement of the Institute.

In line with the Vision Mission Statement of the Institute the Strategic Plan of the Institute can be envisioned in the four broad areas as: 1) Hundred Percent Employability of the Students 2) Facilitate Research Culture 3) Promote Academic Excellence 4) Use of Technology for Social Contribution

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Deans, Heads, Assistant Heads and Section Heads at the Vishwakarma Institute of Technology are strongly supported in their efforts to run the institution efficiently. The institute has a strong culture of decentralising power and providing local decision-makers more freedom and discretion in order to accomplish this. The institute's bright and distinctive organogram, which has numerous levels of authority, reflects this. Deans and heads of the institute report to the director. There are numerous assistant heads and coordinators at the institute working under the dean and heads. The institute operates under a matrix structure, with the dean overseeing all of the numerous operations at the institute level.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institute has a very well articulated Strategic plan which encompasses all major areas of excellence for an educational institution like Curriculum design, Research and development, faculty training and development, Student placement and counseling, Sports and extracurricular activities.

The institute has carefully articulated the plan in details and also implemented it. The necessary leadership has been developed and processes have been laid out to implement the strategic plan. All the deans are looking after the processes like research academics, student counseling and placement, and faculty development and student activities. All the stakeholders are

taking benefit of this implementation thereby giving the college academic excellence.

The Strategic Plan of the Institute can be envisioned in the four broad areas: 1) Hundred Percent Employability of the Students 2) Facilitate Research Culture 3) Promote Academic Excellence 4) Use of Technology for Social Contribution

Vishwakarma Institute of Technology is a well-recognized and highly appreciated Institute imparting Quality Technical Education since last three and half decades.

Hundred Percent Placement

Appointment of Dean-Industry Relations : In order to strengthen relations with Industry for placement and other Academic activities a Dean - Industry Relations will be appointed At least 500 Companies will be enrolled on the Recruitment Panel, at the end of the decade

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

The college has the following Statutory & Non-Statutory committees to ensure proper management of academic, financial, and general administrative affairs. Wherever students are involved in the committee every year two students are replaced by new students nominated by student council. The meetings are conducted at least twice in a year. Chairman and member secretary can call emergency meeting as and when required.

01 Governing Body [Board of Management]

02 Academic Board

03 Board of Studies

04 College Development Committee

05 Finance Committee

06 Internal Quality Assurance Committee

07 SC/ST Committee

08 Internal Complaint Committee

09 Grievance Redressal Committee

10 Anti-Ragging Committee

11 Exam Committee

12 Alumni Committee

13 Hostel Committee

14 Library Committee

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.vit.edu/index.php/institute/organizational-structure
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has effective welfare measures for teaching and non- teaching staff and avenues for their career development/ progression

Vishwakarma Institute of technology strongly believes in faculty empowerment in order to cultivate a health and positive work environment.

A happy and positive workforce will help the college achieve its goals. For this the institute has various welfare measures which enriches the working environment at VIT. Faculty are always encouraged to excel in academic and research areas and institute has an award system to motivate faculty.

Faculty are recognised and get cash awards on the Foundation Day of the college. The faculty and staff have a group Mediclaim policy which takes care of any hospitalization expenses. Along with this faculty health is taken care by arranging yoga sessions for physical health and along with this many sessions are conducted for faculty to give them valuable inputs in personal aspects of their life like finance, parenting, and societal wellbeing.

Motivational sessions are also arranged regularly so that faculty morale and motivations is high. Also the institute management provides help for medical needs for economically weak staff and has helped many families who were in dire crisis.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

161

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

126

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

- **Internal audit:** Financial reports covering various elements such as cash & bank book, salary & statutory payments, journal & ledger entries, accounts registers & resolutions, university & scholarships etc. are periodically verified by internal auditing team & due corrections are made.
- **External audit:** A financial audit is carried out two times in a financial year by an external chartered accountant. The first audit is for the period from 1st April to 30th Sept. & the second audit is for the period from 1st Oct. to 31st March. The audit consists of verification of cash book, bank book, reconciliations of fees & bank accounts, journal entries, ledger, income tax returns, Goods & Service Tax (G.S.T.) return, Professional Tax (P.T.) Return etc. The observations shared by the auditor during the auditing process are immediately corrected prior to generation of final report.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

3.12377

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

The institute receives the funds mainly from Tuition and Development fees of the students. These funds are further utilised for establishment expenses, educational expenses, administrative expenses and capital expenses.

- The establishment expenses mainly consist of salary component of teaching and nonteaching staff, provident fund contribution, Gratuity contribution, Honorarium to visiting staff, staff training and welfare expenses, Leave Encashment Expenses etc

The administrative expenses mainly consist of building rent, maintenance, electricity, water, telephone, security, housekeeping, insurance, property & water tax, audit fees, office expenses etc.

The capital expenditure mainly consist of expenses towards procurement of equipments, computers, furniture, library books etc.

- All these expenditures can also be categorised in the fields indicated by the NAAC such as salary, academic, infrastructure (Physical facilities, library & learning resources, IT Infrastructure, maintenance of campus infrastructure) Research and consultation etc.
- During every financial year institutional budget is prepared based on the above income and expenditure elements. The institutional budget is a consolidation of various departmental requirements and common institutional requirements. The funds received are further utilised in line with the planned budget received through departments. At times, the institute is required to make the additional expenditure as per the functional needs and due revision is accordingly made in the budget.
- Besides the tuition and development fees, the institute

receives the funds from consultancy and research grants which are further utilised for respective purposes.

- Every year a statutory financial audit is carried out based on the above mentioned income and expenditure elements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

1. Deployment of Research Eco system:

Introduction of course on Engineering Design and Innovation helps students to bring research outcomes. Research is going to play an increasingly important role in the coming decade as creativity is amongst the top three skill sets of the decade. In order to promote Research amongst Student and faculty the institute would like to do the following: Promotion of Research Culture amongst Students:

Project Based Learning - Every Semester will have 2/3 Projects, thus a Student is suppose to do 50+ projects in four years.

Project Centric Learning - Student is supposed to do projects every semester which in the form of multidisciplinary nature to be carried out by group of four student of any branch, any year.

2. 360 Degree assessment:

Assessment is the key to learning and is the impetus to learning. In order to achieve all round development of students 360 degree Assessment pattern is implemented at VIT with focus on the following: • Memorizing • Understanding • Analysis • Synthesis • Evaluation • Applications • Design • knowledge creation

3. Efforts for hundred Percent Placement and Higher study:

Vishwakarma Institute of Technology has a track record of 80-90 percent placement every year.

Introduction of courses to improve employment. Courses such as 1. Logical Reasoning, 2. English, 3. Logic and Quantitative Aptitude, 4. Business proposal writing helps student to improve their skill related to placement and entrepreneurship.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

As a being Autonomous college, VIT has an excellent teaching learning process. The teaching-learning process is administered by Dean academics and monitored by IQAC cell. Based on the inputs from various stakeholder's syllabus is updated every year/ as per the need. The syllabus is updated with consultation with academic personnel as well as industry personnel and faculty members. This updated syllabus is approved by Boards of studies and the suggestions are imbibed in the syllabus and assessment scheme. This course content is then sent to the academic board for approval which gives permission for implementation. The entire process is monitored and reviewed by IQAC through the ISO mechanism and Academic audit conducted by departments after periodic intervals.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as

A. Any 4 or all of the above

ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equity is very important to have the best working efficiency in the institute and for social justice. The institute works to have gender equity by promoting scholarships for girl students so that more girl students can come for technical education.

Divya club is an exclusive club working for the girls students and female faculty members of the Institute

Apart from this there are many training programs that ensure that students and faculty are sensitized towards gender equity. In the institute equal treatment is given to both genders and it is based on the quality of work only. In teaching faculty are given equal treatment and opportunities are also given equally to both genders as far as career progression is considered. Indeed, female faculty are also in leadership positions in the institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy

A. Any 4 or All of the above

**conservation: Solar energy Biogas
plant Wheeling to the Grid Sensor-based
energy conservation Use of LED bulbs/
power-efficient equipment**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Composting which is a suitable method for recycling of Green Waste is implemented in the campus for producing the compost which useful organic amendment and reincorporated effectively in the natural system helps to reduce emission of green house gasses and solves disposal problems. We kept inhouse manufactured bin at various location for green waste and compost is made with the help of catalyst. Manufactured compost is used for trees in the campus.

Canteen waste is placed in the bio-gas plant installed in the campus. It has anaerobic digestion process which produces the clean and renewable form of energy. Also the odourless slurry produced from bio gas plant produce is used in the campus for trees as supplement of nutrients.

The College has taken steps for proper disposal of all kinds of electronic waste, such as obsolete electronic devices, computers, monitors and printers, UPS etc. e-waste. The major sources of e-wastes at our college are outdated computer monitors, printer cartridges, mouse, keyboards, etc. Such E-waste are collected in the campus from students, staff and provided to E-waste collection agencies/NGO who works in the E-waste Management Domain. Sanitary napkin vending machines and incinerator are installed in the toilets disposal of used napkins.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **D. Any 1 of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **B. Any 3 of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **B. Any 3 of the above**

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards

5. Beyond the campus environmental promotional activities

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

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

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Social Welfare & Development

During the academic year 2021-2022, the Social Welfare and Development Committee undertook several noteworthy initiatives to

foster inclusion across diverse fields. An Animal Rescue event was organized with the aim of aiding and rescuing stray animals and birds. Additionally, a Blood Donation camp was held, providing us with the opportunity to collaborate with Sasoon Hospital and AFMC, extending a helping hand to those requiring blood. Udaan is a remarkable event that centers around the empowerment of women, fostering their holistic growth, and offering them pathways and opportunities to achieve self-reliance. Throughout the year, the committee has successfully organized numerous activities, all of which were driven by a strong social purpose. These initiatives aimed to promote the inclusion and empowerment of underprivileged and uneducated individuals, as connecting with various sectors of society on a broad scale.

V-EDC (Entrepreneurship Development Cell)

The Entrepreneurship Development Cell in the college Vishwakarma Institute of Technology was formed 9 years ago. In these 9 years, VIT has given us a place to spread awareness about promoting the startup culture. We conduct the member's sessions in our college by which we are able to develop entrepreneurial skills in students. VIT gives us a platform to bring people who have a great experience in their domains so that they can guide the students of our college and the budding entrepreneurs.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

From academic perspective, the college imbibes this spirit of responsible citizenship amongst the students by having a few mandatory courses. A course on human values and ethics goes far beyond the technical aspects of an Engineering course and gives insights about a more humane thought process and behaviour amongst the budding and blossoming minds of the new generation. The course covers ideas of empathy, emotional quotient etc. which matter a lot once an individual settles in the professional life and become

a leader and is required to handle demanding human resource related situations.

Also students are made aware of civics, constitution of India during the First year of Engineering itself.

The attendance for the Republic day and Independence day for paying tribute to our beloved nation.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

V-EDC (Entrepreneurship Development Cell)

VIT-MUN (Model United Nations)

VIT Pune Model United Nations has digitally celebrated following days, events and festivals: 15 Aug- Independence Day, International Day of Rural Women, 24 Oct- UN day foundation Day, 10 Dec- Humans Rights Day, 24 Jan- International Day of Education, 26 Jan- Republic Day, 8 March- International Women's Day,

Vishwa Conclave

VishwaConclave took various initiatives in the year 2022-2023. Namely, sharing experiences of people alive in 1947 to celebrate Independence Day, creating awareness about World Mental Health Day, International Women's Day was celebrated as a Women's week with the highlight being a online live talk with Prusha Dhutra. Christmas, Makar Sankranti and Diwali among others were celebrated too apart from sharing information about how Dussehra is celebrated around in various parts of the country.

Social Welfare and Development

Social Welfare and Development Committee has organized a wide range of national and international days, events, and festivals, fostering connections among students from diverse backgrounds. These celebrations serve as a platform for inclusivity, allowing students to share their joy with a larger community. We have commemorated various events focused on health, such as "Maharashtra Day" "Women's Day" and "Indian Army Day", we have highlighted social causes through events like "No smoking day" and "National Girl Child Day." Many festivals like "Gudi Padwa", "Holi", etc were also celebrated by the committee.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the

prescribed format of NAAC

Objectives of the Practice: To increase the employability of students and to prepare industry ready students

The Context: Employability of students as per changing demands of industries is serious issue for academic institutions. In order to adapt to the demands and to impart necessary skills for the dynamic job market, changes are necessary in the curriculum.

The Practice: Six months (one semester) or one year internship in deserving cases is incorporated in the curriculum where students are deputed to industry in 7th or 8th Semester. Students work in industry under supervision of industry guide and a co-guide from the institute. The curriculum is adjusted in such a way that all the necessary required theory and lab session are conducted in the other semester. Through this the students get the much needed industry exposure and get to work on live industry projects. Reviews are arranged in regular intervals to monitor the progress of the student in the project.

Problems Encountered and Resources Required: Problem encountered are Students with backlog were reluctant pursue internship Additional expenses incurred for travelling and stay in a new place Student aspiring for higher studies are reluctant Students already placed have reservation Resources required: Many industry providing stipend during internship will attract students Financial grants from other sources for travel/others Evidence of Success 97 percent of total students in the final year (UG) including all departments are deputed for internship in year 2022-23, which also resulted in significant improvement in placements.

File Description	Documents
Best practices in the Institutional website	https://www.vit.edu/images/NAAC/Best_Practices_2022-23.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

1. Carrer institute: In the Institute students are gromed right

from first year to identify their career choice and counselling is carried out to select the appropriate domain of career based on choice and intellectual ability. The necessary training programs, career orientation sessions are arranged for the students. AMCAT test is also conducted to help the students in the placement process. For higher study we organise the sessions to guide the students for Entrance/ Competitive exam and selection of stream and better colleges.

2. Innovative Curriculum: Autonomy has been utilized to provide an innovative curriculum for students. Institute actively runs Entrepreneurship and Development cell with various activities like seminars, workshops, motivational talks, internship mela, Incubation center. With the necessity of Product design & development, a new course has been introduced.

3. Research culture is also nurtured, so that students learn to apply the concepts learned in classrooms in real life. To align students with real life problems, they are exposed to projects of multidisciplinary nature and applied to socially relevant problems. A course on Design thinking has resulted in the improvement of research outcomes

4. Holistic Assessment: This takes place in the form of two hour exams for end semester which thoroughly examines the student for conceptual understanding of theory. Project based learning helps students in applying theoretical concepts to problem solving in the labs.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of Vishwakarma Institute of Technology is the USP of the institute and all the processes, activities and outcomes are centered around it. It is aimed at development of every student to bring out technological change at national and International level.

Vishwakarma Institute of Technology leads at the forefront by developing curriculum as per the dynamic need of the engineering community and society at large which includes industry, universities of high repute at National and International level, Civil and Defense services, entrepreneurship skills. The institute works in collaboration with Industry and other academic Institutes to revise the curriculum every 2 to 3 years, to make it purposeful, progressive, outcome based, industry relevant and increase employability of the students.

The curriculum designed after careful consideration of stakeholder feedback and deliberation by various committees is conglomerated with learning objectives. It is finalized after adding learning objectives in terms of program outcomes, program specific outcomes and course outcomes. The program outcomes are in synch with apex accrediting bodies like National Board of Accreditation and are also aligned with core professional bodies of every program. The program specific outcomes are decided by the Board of Studies committees of individual programs and the course outcomes are designed by course owners and finalized in the Board of studies.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

8

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

318

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

4

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

For institution, cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values are very important. The Institute focuses on not only preparing technically competent Engineers, but also responsible human beings. The challenges of the new generation regarding ethics, moral behaviour are addressed, with courses focussing on Indian philosophy, psychology. Gender equality is promoted by means of arranging group activities, inspirational sessions by leading ladies from the society. Environmental science courses are also designed to ensure student awareness about the environment. Human values are also covered in courses of Indian philosophy and psychology.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

110

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

25896

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

4542

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
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File Description	Documents
Provide URL for stakeholders' feedback report	https://www.vit.edu/images/NAAC/Students_Satisfaction_Survey_AY_2022-23.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1375

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

552

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Vishwakarma Institute of Technology recognizes the need to adapt to the different learning levels of students and has introduced many policies to give students individualised learning experience. Students who come for admissions have to go through a systematic admission and pre evaluation process.

These students come from diverse socio-economic, rural-urban, in state-out state, Foreign National backgrounds and this is reflected in their basic knowledge of English, communication skills and Mathematics.

In order to bring all the students on one platform and to confirm uniformity in the basic knowledge of Mathematics and English, the institute has decided to identify the weak students in the said subject by conduction entry level test for English and Mathematics at the time of admission. The test is mandatory for all the students taking admission in the institute. The English test is for 80 marks which consist of questions based on grammar, listening comprehension, reading comprehension, synonyms, antonyms etc. While mathematics test is for 60 marks which consist of questions based on algebra, geometry, matrices, functions and their graphs, derivative, integration, differential equations and probability. This test is designed by highly qualified and trained teachers considering all the above perspectives. The duration of test is one hour and is like the aptitude test with multiple choice questions. Below par students are offered a foundation course in English and mathematics.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/08/2022	15	1

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

The focus of teaching-learning is experiential learning as it

enables a much better fulfilment of learning objectives. With this in mind, Project based learning was introduced since AY 2017-18 wherein students do multiple course projects to apply the concepts learned in class. After implementing the concept for one semester, appreciative improvement in student's performance was observed.

Besides the course projects, students work on semester long projects, in which they work collaboratively in team to solve real life problem. They brainstorm and collectively apply their knowledge and skills for solving the problem. Students are encouraged to increase their outreach and industry connects through internships, industrial/field visits and field surveys. Students prefer to go for short duration (2 month summer) internships and semester long (6 month) internships in industries.

They "experience" methods, processes, phenomena and work culture and try to assimilate in themselves. They also prepare questionnaire and conduct survey in targeted population to collect, analyse data and draw inferences on certain scenarios. Participative learning is enhanced as students are made to participate in quizzes and group discussion in the class, which is also a part of the assessment.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The teachers in the Institute are academically upright and alert. They are always on the look-out for various ICT enabled tools that support conventional teaching-learning practices. With the Corona pandemic, it became imperative to use the ICT enabled tools. The institute conducts the faculty development programs systematically. Various effective sessions were conducted from time to time, regarding the use of various online teaching learning platforms such as Zoom, Google Meet, Microsoft Teams, Webex etc. This was primarily done to encourage faculty to proactively learn and start using these tools to blend with their conventional teaching learning

practices. This series of activities was done a few months before the academic suspension due to the pandemic, as if by foresight. This resulted in the faculty and the students being reasonably comfortable with the transition from the conventional teaching learning into the online mode. The entire college teaching learning could migrate onto the online platforms within a week. Since then, during Corona times, faculty covered lectures and tutorials in the online mode. Also laboratory sessions were conducted using reliable simulation packages. The assessments were conducted in online mode. The written exams were carried out in an online mode. Also comprehensive viva voce, group discussions, group presentations, home assignment reviews, laboratory assessments were also carried out online.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

163

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The Academic Calendar is prepared well in advance for the entire year and is uploaded on the college website. The calendar is well planned beforehand so as to ensure various academic events get done in a planned and timely manner. The Academic Calendar consists of dates for commencement of classes for odd and even semesters, dates for commencement of internal tests, last working day for UG and PG programs, commencement of

mid semester and end semester theory examinations, and project assessments and total number of working days etc. Courses are allotted to faculty at the department level by the Head of the Department well before the commencement of semester and time tables are ready well before the semester begins. ISO form are also maintained to check the adherence to academic calendar and audited every semester. The outline and schedule for each course is communicated to the students at the beginning of each semester through course plans. Every faculty member prepares a course plan consisting of course outcomes, number of hours required to complete each topic, unit, schedule of assignments, quizzes, innovative methods of teaching, assessment schemes etc.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

327

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

68

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3194

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

9

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- The Institute has adopted a method of assessing the academic performance of the students on a continuous basis. 360-degree holistic assessment scheme is offered for multidimensional growth of students. The evaluation comprises many assessment components like Theory examinations, Multiple choice questions. Seminar, Group discussion, lab exams, course project and home assignment, Case studies, survey ,design and technical blog writing for each and every subject. • We have involved external examiners in all evaluation of all assessment components. • In addition to the regular evaluation, student's performance is also evaluated based on in experiential learning activities such as internships, project and seminars. • Requests for re evaluation have become negligible once we started showing answer sheets to students along with model answer paper and marking scheme. • One of most important reform is to declare semester result within 8 days of examination. • Complete automation of examination helped in the successful execution of all examination processes • Question paper Audits facilitated ease of mapping of course outcomes to program outcomes, checking of implementation of Bloom's taxonomy and ensuring quality of question papers.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Each program has defined their Program Specific Outcomes (PSOs) and each course has defined the course outcomes (COs).

The Program Outcomes (POs), PSOs and POs are communicated to different stakeholders as students, parents, staff members, industry, alumni, employers etc.

It is published in the structure and syllabus of the Engineering curriculum, which is available on the webpage of each Department of the Institute website (www.vit.edu). It is displayed at the entry points of different departments, at office and laboratories of various departments.

It is communicated to students in every semester through Google Classroom. The COs, POs and PSOs are discussed in the lectures by the faculty members.

They are also discussed in the Industry Advisory Board (IAB) meeting and the Board of Studies (BOS) meeting.

They are also communicated to department alumni, members of IAB, members of Board of Studies and other associates from industry and academia.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

COs for all courses have been assigned different attainment levels from 1 to 5. Level 5 is the most challenging level while the degree of difficulty progressively reduces to level 1. Accordingly, the threshold levels are set to measure the attainment of the COs. Program Outcomes (POs) and Program Specific Outcomes (PSOs) attainment is measured by both the direct and indirect assessment tools.

In-semester and end-semester examinations are used as direct tools. The proportion of Direct and Indirect assessment of the

POs and PSOs attainment is 80 % and 20% respectively.

Based on the attainment of the Cos, the attainment of POs and PSOs is determined. The attainment of each PO and PSO is determined in terms of the sum of weights (correlation level) of the affected (non-attained) COs (m) and the sum of weights of all COs influencing a particular PO or PSO (M).

The attainment for all Pos and PSOs is calculated as:

$$\% \text{ Attainment} = [(M-m)/M]*100$$

The target level for all POs and PSOs is set as 85 %.

When the attainment is equal to or above the set target level, the said PO or PSO is attained otherwise it is not attained. The data of direct attainment recorded by the individual faculty/course instructor is made available online through the software.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1502

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://www.vit.edu/images/NAAC/Students_Satisfaction_Survey_AY_2022-23.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Vishwakarma Institute of Technology is committed for promoting a culture of research and innovation. As part of our commitment to faculty and student development, we offer opportunities such as industry internships in India / Abroad, seed money, FDP sponsorship, policy for ethics, plagiarism software, collaborative research projects, Ph.D. encouragement, knowledge creation facilitation, training, and various competitions. We encourage each faculty member to leverage their individual expertise to generate funds through consultancy, research projects, training, and patents. This helps to support and promote the Institution's research initiatives by providing opportunities for faculty and students to advance their professional growth and development.

Research Initiatives:

During the period of evaluation, the Institute has undertaken several new initiatives to promote research such as

- Arranging expert lectures by eminent personalities from Industry and reputed institutes
- Developing training modules for faculty and students for capacity building
- Arranging conferences and workshops
- Submitting quality research proposals for government and non-government funding agencies
- Pursuing consultancy work sponsored by industry.
- Earmarked yearly Research budget including seed money for budding researchers.
- Identification of research thrust areas.
- Guidance and sponsorship for writing patents
- Having a research mentor from reputed institutes like

IIT, Industry and foreign universities.

- Providing incentives, awards for excellent performance in research activities such as research grants, consultancy projects, Internal Revenue Generation, publication in quality journals and conference etc.
- Research Appraisal Scheme for faculty members

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

14.69

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

8

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

119.58

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

16

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

33

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Vishwakarma Institute of Technology (VIT) aims to make students future ready including being industry ready. This enforces the institute to impart a strong research and innovation approach in our students considering societal needs. Implementation of a future ready approach has impelled us to have a strong research ecosystem at VIT for undergraduate students. All research of our Institute aims to be of a high standard. The goal of creating technological and social innovations has emerged alongside R&D-based activities. Technological innovation is one of the primary forces driving economic growth of the Institution. Apart from this, it is impacting on the research outcomes in the form of increase in the number of publications and patents. Further, the research funding and consultancy grants involve many students, which improves their complex problem-solving ability as well as lifelong learning ability. The purpose of research activities is to give a platform for students to present their creative thinking ability & innovations.

Project Based and Project Centric Learning:

Research Strategy of Institution to Enable High Quality Research:

- Focus on socially relevant multidisciplinary applied research for socio economic development.
- Focus on Socially relevant areas- Health care, smart city, defence, green earth, energy, agriculture, pollution, space, and waste management etc.
- Faculty and student capacity building and capacity development
- Initiatives to establish collaborative relations with national, international, and private research institutions.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

115

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

34

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

340

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

572

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

3645

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

46

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

223.27

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1725000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

A number of extension activities were carried out by several student committees in the current academic year. A brief description of the same is given below:

Social Welfare and Development Committee

The Social Welfare and Development department has carried out about 15 social services projects throughout the General Proficiency Audit Course which is compulsory for all second year students. Under this course, every second year student has

to perform 30 hours of social service. The social services projects are identified in certain areas individuals/communities need help and support. The various initiatives in the form social service projects included Digital Literacy for Senior Citizens, House Wives, Women Empowerment, Voter ID registration, Application of Technology for social upliftment, Training Session on Safety Measures, Engaging Sessions & Career Guidance for Orphans, Support to Farmers, Teachers and Small Businesses, Tree Plantation, Literacy programs for Students in ZP schools, Elocution Competition, Blood Donation Camps, Cleanliness Drives at Publics Places, Assist Police Officers - Night Patrol & Police Mitra, etc. All these programs inculcate social responsibilities amongst engineering students.

Vishwa Conclave

VishwaConclave joined a Cleanliness Drive organized for Independence day by the Pune Municipal Cooperation, Aadar Poonawalla and many such reputed partners. This was done to increase awareness while celebrating the 75th independence of India.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

10

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated

programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

15

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1555

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1623

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

45

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Institute has sophisticated classrooms and well equipped laboratories for teaching / learning process. Classrooms and laboratories are with proper ventilation along with sufficient no. of LED tube lights as well as fans. LCD projectors are provided in all classrooms.

Computer labs contain computers with latest configurations and are installed with no. of licensed softwares.

A central library with numerous books as well as national and international journals helps students in acquiring further knowledge. Reprographic facility is provided in library. Large reading rooms are made available for students to study till 8 PM in the evening.,

CAD centers deploy traditional drawing boards as well as latest computers and plotters. 3D printers are also available in institute.

The institute campus offers wi-fi facility to students which helps in easy access of online resources through internet in classroom as well as in campus freely.

There is a highly functional Training and Development and Placement Cell in the college which is headed by a qualified and experienced full time placement officer..

Institute has state of the art Auditorium which has capacity of 600 people. It is used by students regularly for their

technical and cultural activities. Institute has well equipped conference hall with seating capacity of 50 people. Institute has a dedicated stage built for various cultural activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

Institute has 630 sq. mtr auditorium with a comfortable audience seating capacity of 650. It has raised stage floor and curtains and rigging. Auditorium has control room for controlling lights & HVAC. Green rooms and attached toilet facilities are provided for convenience of performers. It is acoustically designed to evenly distribute sound throughout the auditorium. Auditorium is continuously engaged by students for preparation and execution of cultural and technical activities. College have won many prestigious awards in cultural activities. Gymnasium facility is provided college by to students. A well equipped gym is available in the campus which is effectively used by students and staff. Gym contained equipment like Bench Press, Lat Pull down, Leg press machine, pull up bar, barbells, dumbbells etc. Well maintained ground is available in campus and used by students for sports like cricket, volleyball, football, Kabaddi etc. Annual sports competitions are conducted in the college. Indoor sports facility is made available for the students who can take benefit for sports like Table Tennis, carom board and chess. Students are supported with required gears, sports materials and accessories from institute. Students got various awards in cricket at intercollegiate level and in badminton at national level. Facility for yoga is made available whenever required. Institute celebrates Yoga Day on 21 June every year.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

36

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4322.65

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The B.B.Lohiya Central library consists of Reference Section, Journal Section, Reading Hall and Stack-Room. The library has unique collection of Encyclopedia, Handbooks, Textbooks, Reference books, 'e'Journals, Video Cassettes, CD'S, B.I.Standards, Video courses etc.

The B.B.Lohiya Central library uses SLIM 21 software. This software consists of modules of Acquisitions, Cataloguing, Circulation, Serial Control, Article Indexing and WEB OPAC. Circulation system of books is based on Bar-Code.

Salient features of library:

- Open Access System for all our students and staff
- Bar - Code based Issue / Return facility
- Internet / Multimedia / Scanning / CD Write facility

- Reprographic facility.
- CD Server facility.
- Book Bank facility for reserve category students.
- On line Public Access Catalogue facility (also available on intranet).
- NPTEL 120 Video Courses on various subjects.
- Support to Online Learning Platform such as SWAYAM-NPTEL MOOCs Courses.
- DELNET Membership, J-GATE Subscription, NDLI Club Membership.
- iThenticate Plagiarism checking software available for all library users.
- Institutional Library Membership of Jayakar Library SPPU, VIIT & Vishwakarma University.
- Vishwakarma Institute of Technology Library offers membership to Industries, Corporate Houses and Organization in public and private sector on request
- High speed computing and internet facilities with Wi-Fi connectivity are available for research.(We have 1.2 Gbps Internet Leased line in our Institute ie. 1 Gbps from Paradise Telecom+ 200 Mbps from Reliance Jio).
- Working hours of library: Monday to Friday: - 10.00 a.m. to 06.00 p.m.
- Reading Hall Timing: - Monday to Saturday: - 08.00a.m. to 09.00p.m.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	A. Any 4 or more of the above
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File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)	
3.357	
File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)	
4.2.4.1 - Number of teachers and students using the library per day during the year	
327	
File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded
4.3 - IT Infrastructure	
4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities	
<p>Responsible Use Policy: Responsible Use Policy is a valuable guideline by which faculty, staff, and students can review the requirements of legal and ethical behavior within the institute community when using a computer, computer system, or the network. Vishwakarma Institute of Technology Services (VIT) is responsible for implementing this policy, in cooperation with the following:</p> <ul style="list-style-type: none"> • Deans and Directors Committee • Management Committee 	

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
6093	1873

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1964.01

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

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

Systems Department is looking after maintenance of IT infrastructure. It includes Computers and Laptops, Internet and Wi-Fi facilities, Firewall, Servers, LCD Projectors, Interactive panel and other related support in various classrooms, laboratories, library, common central facilities. System department looking after this infrastructure, these staff look after Installation of OS and different software in computer laboratories, antivirus and other updates, username, password and IP address updates according to requirement .Also, majorly handle all IT infrastructure Maintenance of Office, Library, Classrooms, Internet Lab and all individual PCs for Entire faculty. Daily administration of Firewall, Antivirus server, ERP server, Wi-F i setup is done by them.

The B. B. Lohiya Central library consists of Reference Section, Journal Section, Reading Hall and Stack-Room. The library has unique collection of Encyclopedia, Handbooks, Textbooks, Reference books, e journals, video Cassettes, CDs, Video courses etc.

The institute has been using SLIM software

For cleaning of campus, third party housekeeping agency is appointed and daily cleaning is ensured. Security personnel are deployed at various entry and exit points on campus. No entry in premise is permitted without proper identification.

Canteen facility is provided to students at two different locations in campus. FSSI certified vendors run these canteen facilities to provide healthy food to students. Food product

testing is conducted from time to time and their reports are obtained through competent authority.

Natural green lawn is maintained and utilized by students for various student activities. More than 150 trees of different types are planted on campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1292

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

173

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students'

A. All of the above

<p>capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology</p>	
---	--

File Description	Documents
Link to Institutional website	www.vit.edu
Details of capability development and schemes	View File
Any additional information	View File

<p>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</p>
<p>1503</p>

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees</p>	<p>A. All of the above</p>
--	-----------------------------------

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

711

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

72

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

112

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

107

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Council of the institute is divided into two committees, Event Planning and Execution Committee and Social Welfare and Development Committee.

Event Planning And Execution Committee or EPEC is a crew in VIT Pune which manages the planning and execution of all institute level events/festivals held in the college such as Vishwakarandak (inter-department competition), Melange (inter-collegiate competition) including fresher's party are overseen by EPEC. While planning any of the events, students' interests are taken into the consideration and hence there is a huge engagement of students when it comes to fests. EPEC adages of doing each and everything related to planning and execution very efficiently. Anyone who feels can evolve their personality can join this committee in which they'll get the motivation to excellence their work towards their goals.

Social Welfare and Development Committee of the institute is a part of the student council working for the betterment of society. The college students, operate this committee and aim to work towards sustainable development while inculcating social values among the college students. This is done through the various events that are conducted. The flagship events include NSS Camp, Aatmabodh, Blood Donation Camp. In NSS Camp,

a group of our college students live in a village for a week as they work for the development of the village in any small or big way possible.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

31

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

VISHWAKARMA INSTITUTE OF TECHNOLOGY ALUMNI ASSOCIATION

Registration number: Maharashtra/1892/2006/Pune

Vishwakarma Institute of Technology has approximately 26000 Alumni Spread across the Globe. With the Glorious journey of over 40 Years, VIT Pune is marching ahead with new academic reforms and enhanced outreach. Our every alumnus has an inspirational journey and has an insightful story to share with the fellow Students.

Vishwakarma Institute of Technology Alumni Association
Structure:

Vishwakarma Institute of Technology Alumni Board has President, Vice President, Secretary and Treasurer and Member Positions. Passing out Students register as Life Members to the Vishwakarma Institute of Technology Alumni Association (VITAA).

New Initiatives :

Cradle of Achievers: It is a new initiative that captures the spirit of Vishwakarma Institute of Technology. The academic rigour, the culture of creativity and the success of our alumni that makes us The Cradle of Achievers. We have invited our 5 Alumni for this talk show.

The Learning Curve: It is a new series that unravels the journeys of the leading to motivate the younger generations. The alumni share their journey and accomplishments in this series. 7 Episodes of this series are available on YouTube

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision : To be Globally Acclaimed Institute in Technical Education and Research for Holistic Socio - Economic Development

Mission : 1) To ensure that hundred percent students are employable and employed in Industry, Higher Studies, as Entrepreneurs, in Civil/Defence Services/Govt. Jobs and other areas like sports and Theater. 2) To Strengthen Academic Practices in terms of Curriculum, Pedagogy, Assessment and Faculty Competence 3) Promote Research Culture amongst Students and Faculty through Projects and Consultancy 4) To make students Socially Responsible Citizens In line with the Vision

Mission Statement of the Institute.

In line with the Vision Mission Statement of the Institute the Strategic Plan of the Institute can be envisioned in the four broad areas as: 1) Hundred Percent Employability of the Students 2) Facilitate Research Culture 3) Promote Academic Excellence 4) Use of Technology for Social Contribution

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Deans, Heads, Assistant Heads and Section Heads at the Vishwakarma Institute of Technology are strongly supported in their efforts to run the institution efficiently. The institute has a strong culture of decentralising power and providing local decision-makers more freedom and discretion in order to accomplish this. The institute's bright and distinctive organogram, which has numerous levels of authority, reflects this. Deans and heads of the institute report to the director. There are numerous assistant heads and coordinators at the institute working under the dean and heads. The institute operates under a matrix structure, with the dean overseeing all of the numerous operations at the institute level.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institute has a very well articulated Strategic plan which encompasses all major areas of excellence for an educational education like Curriculum design, Research and development, faculty training and development, Student placement and counseling, Sports and extracurricular activities.

The institute has carefully articulated the plan in details and also implemented it. The necessary leadership has been developed and processes have been laid out to implement the strategic plan. All the deans are looking after the processes like research academics, student counseling and placement, and faculty development and student activities. All the stakeholders are taking benefit of this implementation thereby giving the college academic excellence.

The Strategic Plan of the Institute can be envisioned in the four broad areas: 1) Hundred Percent Employability of the Students 2) Facilitate Research Culture 3) Promote Academic Excellence 4) Use of Technology for Social Contribution

Vishwakarma Institute of Technology is a well-recognized and highly appreciated Institute imparting Quality Technical Education since last three and half decades.

Hundred Percent Placement

Appointment of Dean-Industry Relations : In order to strengthen relations with Industry for placement and other Academic activities a Dean - Industry Relations will be appointed At least 500 Companies will be enrolled on the Recruitment Panel, at the end of the decade

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

The college has the following Statutory & Non-Statutory committees to ensure proper management of academic, financial, and general administrative affairs. Wherever students are involved in the committee every year two students are replaced by new students nominated by student council. The meetings are conducted at least twice in a year. Chairman and member secretary can call emergency meeting as and when required.

01 Governing Body [Board of Management]

02 Academic Board

03 Board of Studies

04 College Development Committee

05 Finance Committee

06 Internal Quality Assurance Committee

07 SC/ST Committee

08 Internal Complaint Committee

09 Grievance Redressal Committee

10 Anti-Ragging Committee

11 Exam Committee

12 Alumni Committee

13 Hostel Committee

14 Library Committee

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.vit.edu/index.php/institute/organizational-structure
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above
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File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Vishwakarma Institute of technology strongly believes in faculty empowerment in order to cultivate a health and positive work environment.

A happy and positive workforce will help the college achieve its goals. For this the institute has various welfare measures which enriches the working environment at VIT. Faculty are always encouraged to excel in academic and research areas and institute has an award system to motivate faculty.

Faculty are recognised and get cash awards on the Foundation

Day of the college. The faculty and staff have a group Mediclaim policy which takes care of any hospitalization expenses. Along with this faculty health is taken care by arranging yoga sessions for physical health and along with this many sessions are conducted for faculty to give them valuable inputs in personal aspects of their life like finance, parenting, and societal wellbeing.

Motivational sessions are also arranged regularly so that faculty morale and motivations is high. Also the institute management provides help for medical needs for economically weak staff and has helped many families who were in dire crisis.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

161

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

126

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

- **Internal audit:** Financial reports covering various elements such as cash & bank book, salary & statutory payments, journal & ledger entries, accounts registers & resolutions, university & scholarships etc. are periodically verified by internal auditing team & due corrections are made.
- **External audit:** A financial audit is carried out two times in a financial year by an external chartered accountant. The first audit is for the period from 1st April to 30th Sept. & the second audit is for the period from 1st Oct. to 31st March. The audit consists of verification of cash book, bank book, reconciliations of fees & bank accounts, journal entries, ledger, income tax returns, Goods & Service Tax (G.S.T.) return, Professional Tax (P.T.) Return etc. The observations shared by the auditor during the auditing process are immediately corrected prior to generation of final report.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

3.12377

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

The institute receives the funds mainly from Tuition and Development fees of the students. These funds are further utilised for establishment expenses, educational expenses, administrative expenses and capital expenses.

- The establishment expenses mainly consist of salary component of teaching and nonteaching staff, provident fund contribution, Gratuity contribution, Honorarium to visiting staff, staff training and welfare expenses, Leave Encashment Expenses etc

The administrative expenses mainly consist of building rent, maintenance, electricity, water, telephone, security, housekeeping, insurance, property & water tax, audit fees, office expenses etc.

The capital expenditure mainly consist of expenses towards procurement of equipments, computers, furniture, library books etc.

- All these expenditures can also be categorised in the fields indicated by the NAAC such as salary, academic, infrastructure (Physical facilities, library & learning

resources, IT Infrastructure, maintenance of campus infrastructure) Research and consultation etc.

- During every financial year institutional budget is prepared based on the above income and expenditure elements. The institutional budget is a consolidation of various departmental requirements and common institutional requirements. The funds received are further utilised in line with the planned budget received through departments. At times, the institute is required to make the additional expenditure as per the functional needs and due revision is accordingly made in the budget.
- Besides the tuition and development fees, the institute receives the funds from consultancy and research grants which are further utilised for respective purposes.
- Every year a statutory financial audit is carried out based on the above mentioned income and expenditure elements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

1. Deployment of Research Eco system:

Introduction of course on Engineering Design and Innovation helps students to bring research outcomes. Research is going to play an increasingly important role in the coming decade as creativity is amongst the top three skill sets of the decade. In order to promote Research amongst Student and faculty the institute would like to do the following: Promotion of Research Culture amongst Students:

Project Based Learning - Every Semester will have 2/3 Projects, thus a Student is suppose to do 50+ projects in four years.

Project Centric Learning - Student is supposed to do projects every semester which in the form of multidisciplinary nature to be carried out by group of four student of any branch, any year.

2. 360 Degree assessment:

Assessment is the key to learning and is the impetus to learning. In order to achieve all round development of students 360 degree Assessment pattern is implemented at VIT with focus on the following: • Memorizing • Understanding • Analysis • Synthesis • Evaluation • Applications • Design • knowledge creation

3. Efforts for hundred Percent Placement and Higher study:

Vishwakarma Institute of Technology has a track record of 80-90 percent placement every year.

Introduction of courses to improve employment. Courses such as 1. Logical Reasoning, 2. English, 3. Logic and Quantitative Aptitude, 4. Business proposal writing helps student to improve their skill related to placement and entrepreneurship.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

As a being Autonomous college, VIT has an excellent teaching learning process. The teaching-learning process is administered by Dean academics and monitored by IQAC cell. Based on the inputs from various stakeholder's syllabus is updated every year/ as per the need. The syllabus is updated with consultation with academic personnel as well as industry personnel and faculty members. This updated syllabus is approved by Boards of studies and the suggestions are imbibed in the syllabus and assessment scheme. This course content is then sent to the academic board for approval which gives permission for implementation. The entire process is monitored and reviewed by IQAC through the ISO mechanism and Academic audit conducted by departments after periodic intervals.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

<p>6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equity is very important to have the best working efficiency in the institute and for social justice. The institute works to have gender equity by promoting scholarships for girl students so that more girl students can come for technical education.

Diva club is an exclusive club working for the girls students and female faculty members of the Institute

Apart from this there are many training programs that ensure that students and faculty are sensitized towards gender equity.

In the institute equal treatment is given to both genders and it is based on the quality of work only. In teaching faculty are given equal treatment and opportunities are also given equally to both genders as far as career progression is considered. Indeed, female faculty are also in leadership positions in the institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Composting which is a suitable method for recycling of Green Waste is implemented in the campus for producing the compost which useful organic amendment and reincorporated effectively in the natural system helps to reduce emission of green house gasses and solves disposal problems. We kept inhouse manufactured bin at various location for green waste and compost is made with the help of catalyst. Manufactured compost is used for trees in the campus.

Canteen waste is placed in the bio-gas plant installed in the campus. It has anaerobic digestion process which produces the clean and renewable form of energy. Also the odourless slurry produced from bio gas plant produce is used in the campus for trees as supplement of nutrients.

The College has taken steps for proper disposal of all kinds of electronic waste, such as obsolete electronic devices,

computers, monitors and printers, UPS etc. e-waste. The major sources of e-wastes at our college are outdated computer monitors, printer cartridges, mouse, keyboards, etc. Such E-waste are collected in the campus from students, staff and provided to E-waste collection agencies/NGO who works in the E-waste Management Domain. Sanitary napkin vending machines and incinerator are installed in the toilets disposal of used napkins.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

D. Any 1 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

B. Any 3 of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4. Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities 	<p>B. Any 3 of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information:</p>	<p>B. Any 3 of the above</p>
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Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Social Welfare & Development

During the academic year 2021-2022, the Social Welfare and Development Committee undertook several noteworthy initiatives to foster inclusion across diverse fields. An Animal Rescue event was organized with the aim of aiding and rescuing stray animals and birds. Additionally, a Blood Donation camp was held, providing us with the opportunity to collaborate with Sasoon Hospital and AFMC, extending a helping hand to those requiring blood. Udaan is a remarkable event that centers around the empowerment of women, fostering their holistic growth, and offering them pathways and opportunities to achieve self-reliance. Throughout the year, the committee has successfully organized numerous activities, all of which were driven by a strong social purpose. These initiatives aimed to promote the inclusion and empowerment of underprivileged and uneducated individuals, as connecting with various sectors of society on a broad scale.

V-EDC (Entrepreneurship Development Cell)

The Entrepreneurship Development Cell in the college Vishwakarma Institute of Technology was formed 9 years ago. In these 9 years, VIT has given us a place to spread awareness about promoting the startup culture. We conduct the member's

sessions in our college by which we are able to develop entrepreneurial skills in students. VIT gives us a platform to bring people who have a great experience in their domains so that they can guide the students of our college and the budding entrepreneurs.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

From academic perspective, the college imbibes this spirit of responsible citizenship amongst the students by having a few mandatory courses. A course on human values and ethics goes far beyond the technical aspects of an Engineering course and gives insights about a more humane though process and behaviour amongst the budding and blossoming minds of the new generation. The course covers ideas of empathy, emotional quotient etc. which matter a lot once an individual settles in the professional life and become a leader and is required to handle demanding human resource related situations.

Also students are made aware of civics, constitution of India during the First year of Engineering itself.

The attendance for the Republic day and Independence day for paying tribute to our beloved nation.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and

A. All of the above

conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

V-EDC (Entrepreneurship Development Cell)

VIT-MUN (Model United Nations)

VIT Pune Model United Nations has digitally celebrated following days, events and festivals: 15 Aug- Independence Day, International Day of Rural Women, 24 Oct- UN day foundation Day, 10 Dec- Humans Rights Day, 24 Jan- International Day of Education, 26 Jan- Republic Day, 8 March- International Women's Day,

Vishwa Conclave

VishwaConclave took various initiatives in the year 2022-2023. Namely, sharing experiences of people alive in 1947 to celebrate Independence Day, creating awareness about World Mental Health Day, International Women's Day was celebrated as a Women's week with the highlight being a online live talk with Prusha Dhutra. Christmas, Makar Sankranti and Diwali among

others were celebrated too apart from sharing information about how Dussehra is celebrated around in various parts of the country.

Social Welfare and Development

Social Welfare and Development Committee has organized a wide range of national and international days, events, and festivals, fostering connections among students from diverse backgrounds. These celebrations serve as a platform for inclusivity, allowing students to share their joy with a larger community. We have commemorated various events focused on health, such as "Maharashtra Day" "Women's Day" and "Indian Army Day", we have highlighted social causes through events like "No smoking day" and "National Girl Child Day." Many festivals like "Gudi Padwa", " Holi", etc were also celebrated by the committee.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Objectives of the Practice: To increase the employability of students and to prepare industry ready students

The Context: Employability of students as per changing demands of industries is serious issue for academic institutions. In order to adapt to the demands and to impart necessary skills for the dynamic job market, changes are necessary in the curriculum.

The Practice: Six months (one semester) or one year internship in deserving cases is incorporated in the curriculum where students are deputed to industry in 7th or 8th

Semester. Students work in industry under supervision of industry guide and a co-guide from the institute. The curriculum is adjusted in such a way that all the necessary required theory and lab session are conducted in the other semester. Through this the students get the much needed industry exposure and get to work on live industry projects. Reviews are arranged in regular intervals to monitor the progress of the student in the project.

Problems Encountered and Resources Required: Problem encountered are Students with backlog were reluctant pursue internship Additional expenses incurred for travelling and stay in a new place Student aspiring for higher studies are reluctant Students already placed have reservation Resources required: Many industry providing stipend during internship will attract students Financial grants from other sources for travel/others Evidence of Success 97 percent of total students in the final year (UG) including all departments are deputed for internship in year 2022-23, which also resulted in significant improvement in placements.

File Description	Documents
Best practices in the Institutional website	https://www.vit.edu/images/NAAC/Best_Practices_2022-23.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

1. Carrer institute: In the Institute students are gromed right from first year to identify their carrer choice and councelling is carried out to select the appropriate domain of carrer based on choice and intellectual ability. The necessary training programs, carrer orientation session are arranged for the students. AMCAT test is also conducted to help the students in the placement process. For higher study we organise the sessions to guide the students for Entrance/ Competitive exam and selction of stream and better colleges.

2. Innovative Curriculum: Autonomy has been utilized to provide an innovative curriculum for students. Institute actively runs

Entrepreneurship and Development cell with various activities like seminars, workshops, motivational talks, internship mela, Incubation center. With the necessity of Product design & development, a new course has been introduced.

3. Research culture is also nurtured, so that students learn to apply the concepts learned in classrooms in real life. To align students with real life problems, they are exposed to projects of multidisciplinary nature and applied to socially relevant problems. A course on Design thinking has resulted in the improvement of research outcomes

4. Holistic Assessment: This takes place in the form of two hour exams for end semester which thoroughly examines the student for conceptual understanding of theory. Project based learning helps students in applying theoretical concepts to problem solving in the labs.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. Implementation of NEP Policy
2. Personalised education- Personalised Assessment and Carrier Counseling.
3. Faculty training in emerging areas like ChatGPT, AI, NLP, Cyber security, 3D printing, Robotics etc.
4. Develop newly started Program Like CS(AI), CS(AIML)
5. To offer Honour courses