



YEARLY STATUS REPORT - 2021-2022

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 **09552544489**
- Alternate phone No. **02024202202**
- Mobile No. (Principal) **9552544489**
- 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. **020240202136**
- Mobile No: **08788923835**
- IQAC e-mail ID **vijay.gaikwad@vit.edu**

3. Website address (Web link of the AQAR (Previous Academic Year)) https://www.vit.edu/images/PDF/AQAR-20_21.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_2021-22.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

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- 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

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

Innovation-centric teaching learning to inculcate creativity and innovation in students

Software Design project for every semester

Engineering Design and Innovation course for every semester to improve the quality of students' projects for socio-economic development

Assessment based on group discussion, technical presentation, course project, case studies, design assignments, blog writing

Personalized carrier guidance and personal mentoring

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.
Emphasis on product design and development	A course on Product design and development.
To inculcate ethics morals and values in the students	Introduction of course on human engineering and environmental science.

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Board of Management	28/11/2022

14. Was the institutional data submitted to AISHE ? Yes

- Year

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	09552544489
• Alternate phone No.	02024202202
• Mobile No. (Principal)	9552544489
• 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.	020240202136				
• Mobile No:	08788923835				
• IQAC e-mail ID	vijay.gaikwad@vit.edu				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://www.vit.edu/images/PDF/AQAR-20_21.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_2021-22.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? 	<p>Yes</p>	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	<p>No File Uploaded</p>	
<p>10. Did IQAC receive funding from any funding agency to support its activities during the year?</p>	<p>No</p>	
<ul style="list-style-type: none"> If yes, mention the amount 		
<p>11. Significant contributions made by IQAC during the current year (maximum five bullets)</p>		
<p>Innovation-centric teaching learning to inculcate creativity and innovation in students</p>		
<p>Software Design project for every semester</p>		
<p>Engineering Design and Innovation course for every semester to improve the quality of students' projects for socio-economic development</p>		
<p>Assessment based on group discussion, technical presentation, course project, case studies, design assignments, blog writing</p>		
<p>Personalized carrier guidance and personal mentoring</p>		
<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:</p>		
Empty space for the plan of action and outcome		

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.
Emphasis on product design and development	A course on Product design and development.
To inculcate ethics morals and values in the students	Introduction of course on human engineering and environmental science.

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	28/11/2022

14. Was the institutional data submitted to AISHE ?	Yes
--	------------

<ul style="list-style-type: none"> Year
--

Year	Date of Submission
1/7/2022	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 hep 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 ness. 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 Number of programmes offered during the year:	7
--	---

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	5762
--	------

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	1339
--	------

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations	5762
---	------

conducted by the institution during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.Academic		
3.1	289	
Number of courses in all programmes during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.2	342	
Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.3	342	
Number of sanctioned posts for the year:		
4.Institution		
4.1	663	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	59	
Total number of Classrooms and Seminar halls		
4.3	1873	
Total number of computers on campus for academic purposes		
4.4	5593.95	
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 institute curriculum has always been updated keeping track of local, regional, national and global developmental needs. The autonomous status of the Institute for the past 13 years allows it to leverage this to an advantage. The institute curriculum emphasizes on the technical knowledge. The state of the art courses consistent with the needs are designed and implemented from time to time. The institute offers honors courses in various streams to cater to this need. The analytical skills are nurtured through well designed home assignments. Emphasis on project based and project centric learning nurtures design and development aspects. Modern tools are used in student projects, laboratories to give a real hands on experience. Courses based on philosophy, ethics imbibe the role of student in a global society. Environment related awareness is given to all students on the basis of courses on Environmental awareness. Various other aspects such as an individual growth or being a member of a team are addressed to on the basis of group discussions, presentations etc. Soft skills and communication skills; English, logic and quantitative aptitude are also covered. Also courses on project management and finance are taught to all branches of engineering.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

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

08

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

02

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	No File Uploaded

1.2 - Academic Flexibility

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

01

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

08

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

The curriculum at VIT Pune is enriched with courses aimed at all round personality development by sensitizing students to cross-cutting issues relevant to gender, Environment, sustainability ethics, and human values and behavioral sciences. We have introduced an audit course at F. Y. B. Tech. level on Environmental Science to create awareness about different environmental issues and concerns of modern times. The course is introduced with the objective to highlight the impact of professional engineering solutions in societal and environmental contexts and to emphasize the need for sustainable development.

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	No File Uploaded

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

56

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	
10117	
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	
1364	
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	https://www.vit.edu/images/NAAC/Students_Satisfaction_Survey_2021-22.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
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_2021-22.pdf
Any additional information	View File

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

1349

File Description	Documents
Any additional information	View File
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)

639

File Description	Documents
Any additional information	View File
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 individualized learning experiences. Students who come for admission have to go through a systematic admission and pre-evaluation process. These students come from diverse socio-economic, rural-urban, in-state-out-state, and Foreign National backgrounds and this is reflected in their basic knowledge of English, communication skills, 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
01/07/2022	5762	342

File Description	Documents
Upload any additional information	View File

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 fulfillment of learning objectives. With this in mind, Project-based learning was introduced in 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 students' 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.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	www.volp.in
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

342

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	No File Uploaded

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

The Academic Calendar is prepared for an entire year and is uploaded on college website. The calendar is planned beforehand to ensure various academic events get done in a planned and timely manner. It consists of dates for the commencement of classes for odd and even semesters, dates for the commencement of internal tests, the last working day for UG and PG programs, the commencement of mid-semester and end-semester theory examinations, project assessments, and the total number of working days.

Courses are allotted to faculty at the department level by HOD well before the commencement of the semester and timetables are ready well before the semester begins. ISO forms are also maintained to check adherence to the academic calendar and are audited every semester.

The outline and schedule for each course are communicated to the students at the beginning of each semester through course plans. Faculty members prepare course plans including course outcomes, number of hours allotted, schedule of assignments, quizzes, innovative methods of teaching, and assessment schemes. Similar planning exists for the laboratory sessions, tutorials, mini-projects, and projects. All activities related to regular academic work, student feedback, student Internships and evaluations, student variety programs, and annual gatherings are conducted as per the schedule mentioned in the academic calendar.

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

342

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	View File
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

71

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)

3341

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

7

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

2

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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

Examination reforms: ? 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 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.

File Description	Documents
Upload any additional information	View File
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

For every course, 5 to 6 course outcomes are identified and articulated. Based on the academic content complexity, a difficulty level from 5 for the most challenging to 1 for the least challenging is assigned. A certain percentage of students are expected to have earned passing marks for the questions set up as per the desired course outcome for its attainment. Similarly, the Program outcome and course outcome linkages are articulated as a significant, moderate or little correlation or none in some

cases. Again based on the percentage of Cos attained, for a certain PO, its attainment is worked out.

File Description	Documents
Upload any additional information	No File Uploaded
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

1339

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_2021-22.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

Our Institute is a well-recognized for imparting quality technical education since last three decades. For accomplishment of the Vision & Mission of the Institute laying foundation for high quality research and inculcating research culture among all the stake holders of the institute is necessary.

- As part of local management committee Dean (RI), Dean (IR) and Dean (FD) have been appointed for policy making and initiating various research related activities.
- For development of the faculty, efforts such as deputing faculty for internship in industry, deputing for collaborative research, encouragement for PhD, facilitating for knowledge creation, trainings, organizing various faculty competitions are undertaken.
- Faculty contributing in research is appreciated by the institute through awards and recognition.

To bring out research potential of the students, institute is doing significant innovations in the Teaching - Learning process such as project centric learning, student conferences, technical activities, semester long internships to industry/research organizations.

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)

0

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

09

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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)

361.35

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

20

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

22

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

6

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.

Improving high-quality scientific research is a necessary requirement for creating successful applications for society needs. All research of our Institute should aim to be of a high standard. The goal of creating technological & social innovations has emerged alongside R&D-based activities. Our relentless effort is always to foster research to contribute towards societal

benefits. 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 patent. Further, the research funding and consultancy grants involves many students, which improves their complex problem-solving ability as well as lifelong learning ability. In terms this the section's scope, we aim to support research that which explores various social domains like Agricultural, Health, defence, etc. The purpose research activities are to give platform for student to present their creative thinking ability & innovations.

File Description	Documents
Upload any additional information	No File Uploaded
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

33

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	View File

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

42

File Description	Documents
URL to the research page on HEI website	www.vit.edu
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

138

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

10

--

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

803

File Description	Documents
Any additional information	View File
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

36

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

3.5 - Consultancy

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

200.96

--

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

13174826

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
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

VIT-MUN (Model United Nations)

Sanitary Napkin Donation Drive VIT Pune MUN raised 1,33,000 Rs funds from 250+ people. Using this amount a Sanitary Napkin Donation Drive was carried out in July 2021. 45,000 pads packed in 45 pads per woman distributed amongst 940+ women. This drive was carried out in the outskirts of Pune. This drive raised awareness amongst people with respect to menstrual hygiene. It provided underprivileged women an access to sanitary napkins which will sustain them for three menstrual cycles of every woman. VIT Pune MUN collaborated with Bleed with Pride for sustainable Sanitary

Napkins.

Instagram live - We also hosted a Instagram live from our official Instagram handle with the chief guest -Dr. Reema Mukerjee who is a Public Health Specialist who has done her MBBS from AFMC, Pune.

Social Welfare and Development Committee: 15 social services projects were carried out. The various initiatives in the form social service projects included Digital Literacy, Wome 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.

File Description	Documents
Upload any additional information	View File
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

12

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
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	View File

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

2266

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

276

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)

11

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
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 multiple laboratories, Central library, a research and development facility Large reading rooms, sophisticated classrooms, a computer labs, an ultra-modern conference room, drawing rooms, and a library with comfortable furniture. Each location offers restrooms at regular intervals. Each classroom has a sufficient quantity of benches and fans and is well ventilated. Every classroom is digitally equipped. The institution facilitates use of ICT tools which are extremely interactive tools for successful teaching and learning. 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. Library is having number of volumes in its inventory along with E-journals and online E-Resources and these learning resources are made available to the students and faculty members of the institution. Institute has well-equipped conference hall with seating capacity of 50 people. Institute has state of the art Auditorium which has capacity of 600 people which used by students regularly for their technical and cultural activities. Institute has dedicated stage built for various cultural activities. Students are taking benefits of canteen, gymnasium also. Lawn is maintained and utilized by students for various student activities. Separate parking blocks have been allotted to staff and open parking space for students and visitors.

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.)

The Institute has an auditorium named Sharad Arena with a seating capacity of 700 people. Institute also has space for yoga activities. Every year on international yoga day the Institute celebrates yoga day with all faculty and non-teaching staff. The institute has facilities for volleyball basketball kabaddi, kho-kho, and cricket. The Institute also has facilities like carom,

chess, and table tennis as a part of the indoor games. Gymnasiums with all equipments are available for faculty and students.

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

59

File Description	Documents
Upload any additional information	No File Uploaded
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)

4556.15

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 institute has been using SLIM (System for Library Information and Management) software since 2003 to give a better quality of service to the students in terms of issue counter turnaround time and throughput. This software consists of modules for Acquisitions, Cataloguing Circulation, Serial Control, Article

Indexing, and WEB OPAC. The circulation system of books is based on Bar-Code.

The initial facilities available on the software included circulation with barcode, Web OPAC, and uploading of digital material. The software was first upgraded in 2010. In 2012, two additional modules were generated: SMS Service and News clipping. Students are reminded through SMS about the due date of the material borrowed from the library.

No.

Particulars

Information

Remark

01

Name of the ILMS software

SLIM-21EX

02

Nature of automation (fully or partially)

Partially

Circulation with barcode, Data entry of Books & Journals, SMS Service, Web OPAC, news clipping, Digital collection.

03

Version

SLIM-21 EX(3.4.0)with SQL server backend RDBMS

04

Year of automation

2003

We have updated this software in 2010 & 2012

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

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)

0.75994

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

26845

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

As uploaded in the document.

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
5776	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	No File Uploaded

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

B. Any three of the above

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)

1154.28

File Description	Documents
Audited statements of accounts	View File
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.

The central library of our Institute has purchased various modules along with SLIM-21 library software for improvement in library services to their users 1) Circulation Module 2) Cataloguing Module 3) Serial Control Module 4) Acquisition Module 5) WEBOPAC: 6) Dcall Module.

Various physical and academic support facilities include classrooms, laboratories, sports facilities, hostel facilities, equipment, library, IT infrastructure, facilities for effective ambiance for curricular, extracurricular administrative activities, etc. For optimum utilization of classrooms, laboratories library, the academic programs of the institute are arranged in two shifts. The number of computers in various departments is planned as per their requirements are used on sharing principles with students of all disciplines by all departments for examination. Separate sections System section, Electrical section, housekeeping section, Workshop section, Civil section are taken care of maintaining these facilities in good working condition. The ERP system in the institute is well designed to integrate various functions such as Admissions,

Registration, Academics, Examinations, Establishments, Accounts, etc. to improve the efficiency and effectiveness of the overall system. Sports facilities including Gymnasium are kept open to suit students' convenience. There is a proper security system, CCTV cameras, Fire extinguishers, a Firefighting hydraulic system, and insurance plans for the protection of the infrastructure facilities .

File Description	Documents
Upload any additional information	No File Uploaded
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

2852

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

117

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

A. All of the above

Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	
--	--

File Description	Documents
Link to Institutional website	www.vit.edu
Details of capability development and schemes	View File
Any additional information	No File Uploaded

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

3073

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

1128

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

103

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

83

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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

50

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

Given in the attached file.

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

12

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

As attached

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 **E. <2 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

Vishwakarma Institute of technology has a strong culture of empowering section heads for effective administration and governance. In order to achieve this the institute has a strong culture of decentralizing authority and giving local decision makers more authority and flexibility. This is reflected in a vibrant and unique organogram of the institute which has multiple level of authority. The Director of the institute has Deans and heads reporting to him. Under the dean and heads there are multiple assistant heads and institute level coordinators.

The functioning of the institute is also in the matrix form where the Dean looks after the various activities at the institute level. 2. The organization is divided in to seven Departments. The Head of department and Asst heads will looks after the routine activities of the Department. 3. Co-coordinators :Various co-coordinators and section heads are appointed. They can take decisions regarding their section as per policies.

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 detail and 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 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 for the last three and half decades.

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

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

02 Academic Board

03 Board of Study Statutory

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	No File Uploaded
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

Vishwakarma Institute of Technology strongly believes in faculty empowerment in order to cultivate a healthy 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 the institute has an award system to motivate faculty. Faculty are recognized and get cash awards on the Foundation day of the college. The faculty and staff have a group mediclaim policy that 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 motivation are high. Also, the institute management provides help for medical needs for economically weak staff and has helped many families who were in dire crisis. Faculty and staff get regular promotions based on qualifications and eligibility and performance. Meritorious faculty are also deputed to Ph.D. in prestigious IITs which helps them in their career growth. Along with this faculty are deputed to conferences and workshops so that they can be aware of the latest trends in the industry. All such measures allow for career progression opportunities.

File Description	Documents
Upload any additional information	No File Uploaded
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

217

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

37

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.)

100

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 books, salary & statutory payments, journal & ledger entries, accounts registers & resolutions, university & scholarships, etc. are monthly verified by the internal auditing team & due corrections are taken.
- **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 the generation of the 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)

0.12711

File Description	Documents
Annual statements of accounts	View File
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.

The educational expenses mainly consist of e-journals, software license fees, internet and networking facilities, student

activities and professional development, student welfare, study tour, laboratory consumables, industrial visits, seminar and workshops, training & placements 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.

- Besides the tuition and development fees, the institute receives the funds from consultancy and research grants which are further utilised for respective purposes.
- Various resources such as land and building, Human resources, equipments, library, IT Infra structure , sports facilities etc. are utilised in an effective manner by the institute.

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. Efforts for hundred Percent Placement:

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.

2. Promote Research Culture:

The introduction of the course on Engineering Design and Innovation helps students to bring research outcomes.

Project-Based Learning - Every Semester will have 2/3 Projects; thus a student is supposed 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 a group of four students of any branch, any year. The students are expected to do a real-life project, which is of socioeconomic importance (normally equivalent to final year at the undergraduate level).

The outcome of this activity has been reflected in terms of increasing paper publications and patents.

3. 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

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 Dean Quality Assurance. 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 Dean Quality Assurance through the ISO mechanism and Academic audit 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 ISO Certification)

A. Any 4 or all of the above

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. 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

C. Any 2 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)

Nil

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

E. None of the above

File Description	Documents
Geotagged photographs / videos of the facilities	No File Uploaded
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

C. Any 2 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	View File

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:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<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: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>C. Any 2 of the above</p>
--	-------------------------------------

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

<p>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).</p>
<p>There were numerous initiatives that were taken in the A.Y.2021-2022 by Social Welfare and Development Committee to promote inclusion in diverse fields. Udaan activity was conducted, to empower women and give them a chance to uplift themselves. Another activity conducted was- Rejuvenating Rashtra. One of the webinars under this activity addressed gender diversity and</p>

encouraged people to accept it. Saarthi is another initiative that helps small businesses and farmers by educating them about relevant and recent technological advancements. These are only some of the activities that the committee has organized throughout the year. All these activities stood for a social cause, whether it be the inclusion of underprivileged, uneducated people or of minor communities.

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

A. All of the above

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

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	No File Uploaded

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

VIT-MUN (Model United Nations)

VIT Pune MUN 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- Human Rights Day, 24 Jan- International Day of Education, 26 Jan- Republic Day, 8 March- International Women’s Day, Christmas, Diwali, New Year.

Vishwa Conclave

VishwaConclave took various initiatives in the year 2021-2022. Namely, sharing experiences of people alive in 1947 to celebrate Independence Day, a refreshing quiz on the occasion of National Sports Day, creating awareness about World Mental Health Day, a Narrative Live with Lt. Gen. Kamal Jit Singh on republic day to remember the Bravehearts of the country, International Women’s Day. Christmas, Makar Sankranti, Eid-un-Nabi and Diwali among others were celebrated too apart from sharing information about how Dussehra is celebrated around in various parts of the country.

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	View File

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

1. Industry Internship Objectives is to increase the employability of students and to prepare industry ready students. Employability of students as per changing demands of industries is serious issue for academic institutions. For adapting the demands and to impart necessary skills for the dynamic job market, students work in industry for a semester under supervision of industry guide and a co-guide from the institute. Students gets needed industry exposure and get to work on live industry projects. Reviews are taken to monitor the progress of the student in the project. Many industries providing stipend during internship and resulted in significant improvement in placements.
2. Project based and project centric learning: For surviving in competition and achieve high employability skills. We want to make our students' future ready. Future ready means they are competent enough to take on challenges and find the best solutions to complex problems. Solving highly complex problems requires that students have both 21st century skills (Critical thinking, Problem solving, research aptitude, cognitive thinking, emotional intelligence, time management, information synthesizing, strong communication skills, both for interpersonal and presentation needs, utilizing modern technology tools). The combination of these skills will be required to take challenges and find solutions for the complex problems.

File Description	Documents
Best practices in the Institutional website	https://www.vit.edu/images/NAAC/Best_Practices_2021-22.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)

Vishwakarma Institute of technology always aims for the best practices in every field and efficient administration is on its top priority. The institute focuses on strengthening the Research Ecosystem to achieve research outcomes from faculty as well as students.

The use of E-Governance in academics, Administration, and Research ensures Accuracy, Transparency, Effectiveness, and Quickness with optimal manpower requirements to have the most efficient administration in the institute.

Innovative Curriculum: Autonomy has been utilized to provide an innovative curriculum for students. The curriculum also includes courses like costing and cost control. Institute actively runs Entrepreneurship and Development cell with various activities like seminars, workshops, motivational talks, internship mela, and Incubation center.

Research culture is also nurtured thereby 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.

Holistic Assessment: This takes place in the form of three-hour exams which thoroughly examine the student for conceptual understanding of theory. Project-based learning helps students in applying theoretical concepts to problem-solving. Modification of curriculum as per industry needs: (IAB) Industry Advisory board indicates to the institute during its annual meeting regarding the changes to the curriculum based current trends in industry. Changes are based on technological and business needs.

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

Strengthening Research Ecosystem:

We have well established and defined ecosystem for the benefit of faculty and students.

Introduction of courses such as engineering design and Innovation and Design thinking enables students not only to design/develop an engineering system but also they are able to convert their work into quality publications. Patents, copyrights, etc.

The institute provides support for paper publication, patent filing/ copyright, etc.

To improve the quality of Projects and technical work we invite qualified and experienced persons from the industry, which helps students to get valuable feedback and suggestion

At VIT we provide orientation and training programmes for faculty as well as students for creating technology awareness.

Students are motivated to identify their project statements to ensure holistic socio-economic development.

Teaching learning with more academic rigor: VIT is following ICT-enabled teaching learning Innovative practices to ensure academic rigor and joyful learning.

Well-planned and established Academic personalized inputs to students: Based on the resources of previous academic scores, career counseling feedback, AMCAT, and other competitive exam scores, and the family background of students personalized inputs are planned. Skill-wise segregation of marks would be done, to understand the stronger and weaker areas of the student. There are two core plans of the institute one is Capacity building, and the second is to strengthen the research ecosystem for all.