



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		Vidyalankar Institute of Technology, Mumbai
• Name of the Head of the institution		Dr. Sunil Patekar
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		02224102321
• Mobile no		9820580658
• Registered e-mail		principal@vit.edu.in
• Alternate e-mail		varsha.bhosale@vit.edu.in
• Address		varsha.bhosale@vit.edu.in
• City/Town		Mumbai
• State/UT		MAHARASHTRA
• Pin Code		400037
2.Institutional status		
• Affiliated /Constituent		Affiliated
• Type of Institution		Co-education
• Location		Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	University of Mumbai				
• Name of the IQAC Coordinator	Dr. Sangeeta Joshi				
• Phone No.	02224102321				
• Alternate phone No.	9869036269				
• Mobile	9405204023				
• IQAC e-mail address	sangeeta.joshi@vit.edu.in				
• Alternate Email address	sangeetamjoshi@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://vit.edu.in/images/downloads/naac-uploads/VIT_AQAR%2020_21.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://vit.edu.in/images/downloads/Academic%20Activity%20Calendar%202022-23_JUN%20-DEC.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.41	2019	04/03/2019	03/03/2024
6.Date of Establishment of IQAC			01/07/2014		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Prof. Akshatha Bhat	Major Project	Indian Institute of Geomagnetism , Mumbai	YEAR: 2021 365 days	No Financial commitment involved
Prof. Akshatha Bhat	Major Project	Indian Institute of Geomagnetism , Mumbai	YEAR: 2021 365 days	No Financial commitment involved
8. Whether composition of IQAC as per latest NAAC guidelines		Yes		
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 		View File		
9. No. of IQAC meetings held during the year		03		
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 		No		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 		View File		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?		No		
<ul style="list-style-type: none"> If yes, mention the amount 				
11. Significant contributions made by IQAC during the current year (maximum five bullets)				
<p>Significant contributions made by IQAC during the current year (maximum five bullets) 1. As per letter of UGC dated February 14, 2022, Autonomy Expert committee visited the Institute on March 4-5, 2022. Subsequently, UGC granted the autonomous status to the Institute for a period of ten (10) years from the session 2022-2023 to 2031-2032 vide letter dated March 15, 2022. 2. The Institute has prepared curriculum scheme and detailed syllabus for the students who are seeking admission from A.Y. 2022-23. The revised evaluation</p>				

scheme is also prepared for students who are studying in SE,TE and BE classes. 3. The Annual Quality Assurance Report (AQAR) for the year 2020-2021 is successfully uploaded on NAAC portal on March 24, 2022 4. Accreditation from NBA has been granted to two UG courses namely INFT and CMPN for three academic years viz. 2022-23,2023-24 and 2024-25 i.e. upto June 30, 2025. 5. As an IQAC initiative, National Symposium on "Best Practices in Higher and Technical Education in Higher and Technical Educational Institutes" held on April 28-29, 2022. This symposium benefited from the contributions of sixteen national speakers, including three vice chancellors. 200+ participants from different parts of the country attended the symposium.

12. Plan of action chalked out by the IQAC in 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
IQAC has planned to apply for grant of Autonomy from the A.Y. 2022-23. Application sent to university vide letter dated October 14, 2021	As per letter of UGC dated February 14, 2022, Autonomy Expert committee visited the Institute on March 4-5, 2022. Subsequently, UGC granted the autonomous status to the Institute for a period of ten (10) years from the session 2022-2023 to 2031-2032 vide letter dated March 15, 2022.
Preparation of design of Curriculum Scheme and detailed syllabus	The Institute has prepared curriculum scheme and detailed syllabus for the students who are seeking admission from A.Y. 2022-23. The revised evaluation scheme is also prepared for students who are studying in SE, TE and BE classes.
Application to NBA for two UG courses namely INFT and CMPN	Accreditation from NBA has been granted to two UG courses namely INFT and CMPN for three academic years viz. 2022-23,2023-24 and 2024-25 i.e. upto June 30, 2025
IQAC has planned to upload the Annual Quality Assurance Report (AQAR) for the year 2020-21	The Annual Quality Assurance Report (AQAR) for the year 2020-21 is successfully uploaded on NAAC portal on March 24,

	2022.
National Symposium on	National Symposium on
As an IQAC initiatives, design and development of vRepository (an Institute cloud) is carried out for systematic data and evidences upload of AQARs for internal data compilation process.	Full deployment of Department and Committee Archives on Institute cloud titled vRepository for data compilation of IQAC & AQAR 2020-21.
Institute has continued the tie up with MATLAB contract and renewal of plagiarism software.	Renewal of Drill Bit extreme Anti Plagiarism Software was done on July 28, 2021 for the subscription period July 2021 to July 2022 and MATLAB contract extended on December 09, 2021 for the period January 2022 to December 2022.
Department of Electronics Engineering has planned to organize International Conference on "Advances of Electronics and Computer Technology (ICAECT_2022)	The conference was held on April 7-8, 2022 and benefitted from the contributions of two international speakers. Many faculty, students and researchers are benefitted through keynote addresses delivered by renowned personalities from Industries and by the research work presented during the conference.
Student development Program is planned by Academic Enrichment Committee of Department of Electronics Engineering	A certificate course on "Exploring New Horizons: A Pathway to Success" is conducted between August 28, 2021 to October 16, 2021.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Governing Body	17/12/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022	20/01/2022

15. Multidisciplinary / interdisciplinary

Vidyalankar Institute of Technology is an Engineering and Management Institute, offering UG ,PG and Ph.D. programmes. The curriculum is well designed to include appropriate proportion of Knowledge, Skills and Attitude and it comprises courses from various categories like Basic Sciences, Humanities and Social Sciences, engineering sciences, general education and branch specific courses including professional elective and open electives. The core courses in Engineering branch help to achieve integral learning of the specific branch. Professional elective courses offer flexibility & diversity to learners to choose appropriate specialization category related to recent developments in their field of Technology. Open elective courses cover multidisciplinary special skill development and project management courses.

To nurture, develop and inculcate the all-round capacities of the students - administrative, managerial, intellectual, aesthetic, social, physical, emotional, cultural, technical and moral in an integrated manner, the Institute plans to include multidisciplinary subjects as per the National Educational Policy 2020.

Short term and vocational value added courses in addition to the Life Enriching and General Education courses, with the inclusion of Mindfulness are being included with the objective of making the learners equipped, so that they don't need to rely on being employees, but instead pave a way towards self-employment that is become employers.

We are gradually shifting the focus from STEM to STEMA to inculcate appropriate mix of left and right brain activity. For holistic development of learners apart from technical courses, Humanities and Social Sciences courses are useful in developing the required soft skills and attitude amongst learners. The Curriculum also offers Internship (technical & social) and credit courses like Design Thinking, Wellness of Body, Mind & Spirit, Indian Knowledge System and Universal Human Values under General Category to sensitize

students to a value-based learning environment. New courses such as E-Waste Management are introduced as per the requirements of the current times. There are conscious efforts to include projects related to community and Corporate Social Responsibility. The Institute's R&D Committee helps students to identify societal projects. The curriculum is augmented with life Enrichment audit courses for knowledge inspiring Experience.

Curriculum also offers Honors / Minor degree which is open for students of all branches. Moreover, Direct Second Year Engineering admission criteria are also intradisciplinary. Learner from any branch of Diploma Engineering is allowed to select any branch is Degree Engineering courses as per his / he Interest. We have converted Electronics Engineering program into Electronics and Computer Science from the academic Year 2022-23. All these reforms are in alignment with our Institute's vision which also speaks of application of learning for societal benefit.

16.Academic bank of credits (ABC):

As per the guidelines received from University Grants Commission (UGC) New Delhi to University of Mumbai (Affiliating University) for implementation of Academic Bank of credit (ABC).

- The Institute shall implement ABC for the Student admitted in the A.Y. 2021-22 and 2022-23.
- The Institute shall register on Digi locker/related agencies to upload the Grades of students.
- Students admitted in the A.Y. 2021-22 & 2022-23 shall also be registered on ABC portal.

The pedagogical approach of the Institute is learner-centric where the pedagogical approaches are application oriented, constructivist, inquiry-based, reflective, collaborative and integrative.

17.Skill development:

The undergraduate curriculum is designed in such a way that the proportion of Knowledge, Skills and Attitude is around 50%, 30% and 20% respectively. Therefore, 30% of total credits are based on skillset development courses. All courses are divided into Basic level, Working level and Expert level. Majority of expert level courses help students for skill set development allied to the

course. As industry experts and international members are involved as cluster mentors, members of Department Advisory Boards / Board of Studies /Academic Council, our curriculum is vetted by mentors from the industry and international members as well. Faculty identify their counterparts in foreign universities. The Institute also plans to offer B.Voc. courses per the guidelines of AICTE and University of Mumbai.

In addition to this, the institute is very proactive in developing technical as well as soft skillset of students. Institute offers various skill-based value added courses in diversified domains during winter and summer breaks. Technical workshops are conducted by various departments, student chapters and associations on cutting edge technologies.

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

Preservation and promotion of our rich Indian knowledge system, culture, traditions and languages is one of the targets of the Institute. A course on Indian Traditional Knowledge System is being offered to First Year Engineering students under the category of General Education. Value added courses like "Shivaji, a Management Guru", "Management Lessons from Panchatantra" are identified. As required from time to time, faculty use student-friendly language like combination of English and Hindi/Marathi, with the objective of achieving comprehension by students.

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

Shift towards autonomy is an indication of the Institute's resolve to transform its curriculum towards OBE. Academic flexibility, learner-centric delivery, concept of festival of examinations to create an ambience of a stress-free assessment environment, are various measures towards this end. The curriculum in each of the semesters of the programme (s) is a suitable mix of the Knowledge-Skills-Attitude components. The curriculum is designed in such a way that the proportion of Knowledge, Skills and Attitude is around 50%, 30% and 20% respectively. Question Paper setting is in sync with Course Outcomes which collectively contribute towards holistic development. 160 credits across four years are distributed into 20 credits per semester leading to around 25 contact hours per week and this enables more student centric learning activities which are in alignment with NEP 2020. More emphasis on in-semester formative assessment and continuous evaluation with focus on skillset development and hands-on learning which are features of OBE.

20.Distance education/online education:

Owing to well established digital learning resources, our faculty are accustomed to conducting sessions in blended mode even much before the COVID-19 lockdown. Our classrooms are equipped with Lecture Capture System -LMS through which students can access the recorded lectures for revision and enhanced learning. Even during the odd semester of Academic year 2021-22, the academic calendar of the institute is implemented in blended mode i.e. theory sessions were online and practical sessions in the batch of 20 students were conducted offline. Our faculty is proactive in using ICT enabled technologies such as conducting sessions using digital platforms such as MS Teams, Zoom, Google Classrooms, online quizzes and polls, interactive puzzles, Padlet, Mentimeter, open source tools such as LTSPICE, MATLAB, Visual TCAD, Virtual Labs and others. Our faculty create concept videos and full length videos and upload them on YouTube to broaden the access and enhance teaching and learning.

The Institute is planning to offer vocational courses in Management Studies through ODL (Open Distance Learning) mode in due course of time. These courses would be affiliated to the All-India Management Association and approved by the All-India Council for Technical Education.

One of the good practices implemented by the Institute in view of NEP 2020 is signing MOU with Coursera and edX, MOOC platforms for offering more than 5000 courses to students as well as faculty. Many students and faculty availed this facility and completed multiple international certification courses from reputed global Universities free of cost.

Extended Profile**1.Programme**

1.1 495

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 2848

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 290

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 795

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 129

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 129

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	495
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2848
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	290
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	795
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	129
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	129
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution	
4.1	42
Total number of Classrooms and Seminar halls	
4.2	1516.43547
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	1142
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The Institution has a well-structured curriculum delivery plan. To strengthen curriculum following steps are undertaken:

1. Planning: Stages are preparation of Academic calendar and subject allotment, Preparation of draft Academic Administration Plan (AAP), Interactive Cluster Meetings for identifying gaps and strengthening of AAP, Academic Preview Process (APP) in which panel of experts validates academic preparedness of faculty and planning of curriculum delivery. During 20-21 online Mode is used for theory and offline for practical. practical in the even semester.

The online MS-Team platform is used for content delivery. Effective student engagement is ensured through use of various TLP tools like Flipgrid, Padlet, Polly, Kahoot, Mind maps, crosswords, Quizlet, concept videos etc.

2. Dissemination of AAP is done through Institute's internal portal

(vRefer/vLive).

3. Curriculum Delivery: In addition to conventional methods like Lectures/Lab Session/Tutorials, curriculum enrichment is ensured through beyond syllabus activities, Student-centric techniques like Experiential, Participative/Collaborative and Problem Based Learning, online MOOC platforms such as Coursera, edX and MathWorks etc.

4. Structured and Periodic monitoring

1. Monitoring effectiveness of student learning
2. Feedback and Takeaway: Feedback is analysed through processes such as students' feedback, Academic Review Process (ARP), Result Analysis etc. and it is ensured that corrective measures are taken.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/1.1.1_QLM-%20Curriculum%20Delivery_AI.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

CIE components are meticulously planned, disseminated, implemented, and monitored to ensure their compliance with the academic calendar.

- The Institution prepares its academic calendar in alignment with University of Mumbai. It is comprehensive and includes a timeline for continuous evaluation and committee activities. Every faculty prepares comprehensive Academic Administration Plan (AAP) comprising lectures, practical/tutorials, rubric for Term Work evaluation etc. AAP is vetted by the respective Cluster Mentor.
- Academic calendar and AAP is published at the beginning of every semester and the same is disseminated to the students through website, Induction programmes and vLive.

Implementation:

1. Conduction of IA tests and assessment: IA1 and IA2 tests are conducted in the 6th week and 12th week of the semester. Timely completion of paper assessment and result declaration is assured.
2. Term work evaluation: Lab work, Assignment / Tutorials, pop quizzes Mobile App Based Quiz/ open book test/take-home etc. Evaluation is carried out as per schedule specified in the AAP.
3. Mini and Final Year Projects are periodically reviewed by the panel of experts.

Monitoring: The academic calendar's adherence to CIE and other elements is closely observed, and any necessary corrective measures are implemented right away through faculty/student counselling.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/1.1.2_QLM%20Continuous%20Internal%20Evaluation%20(CIE)_AI.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

09

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

07

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

729

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

To encourage interdisciplinary thinking and collaborative learning, the institute places a strong emphasis on the value of cross-cutting topics in the curriculum. Examples include Professional Ethics, Gender, Human Values, Environment and Sustainability which are covered in the curriculum.

Professional Ethics and Human Values:

The courses like, communication skills, Business communication and Ethics, Business Ethics, Organizational Behavior, Ethos in Indian Management, Effective and management communication, Corporate Social Responsibility, Entrepreneurship management are in the curriculum. These courses focus on professional and technical communication and writing skills, value education, importance of ethical behavior and social responsibility. The additional activities such as skill development session, webinar by Clinical Psychologist, Projects on social relevance were also organized. Special activities were conducted to enable the students to understand ICT based learning and learn to create digital content.

Gender:

Issues relating to gender are addressed either directly or indirectly, in courses like Entrepreneurship Management and Environmental Studies. Modules on Gender bias and Human rights including, sexual and reproductive rights, the rights to equality and non-discrimination, women entrepreneurship, values and gender socialization are discussed in these courses. Institute also organizes various activities like webinar on "Gender Sensitization", webinar on "Gender Insensitivity and Psychiatric Consequences" etc.

Environment and Sustainability:

Courses like Environmental Studies, Business Ethics, Business Environment and Corporate Social Responsibility are included in the curriculum. By focusing on issues like renewable and non-renewable energy sources, ecosystems, biodiversity, and its conservation, these courses aim to increase students' understanding of the environment.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

50

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

575

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File
1.4 - Feedback System	
1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
File Description	Documents
URL for stakeholder feedback report	https://vit.edu.in/images/downloads/naac-uploads/2021-22/1.4.1_QNM_Feedback%20Analysis%20%281%29.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File
1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
File Description	Documents
Upload any additional information	View File
URL for feedback report	https://vit.edu.in/images/downloads/naac-uploads/2021-22/1.4.2_QNM_Action%20Plan.pdf
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment Number Number of students admitted during the year	
2.1.1.1 - Number of students admitted during the year	

702

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

208

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

At VIT, Students' Performance Evaluation Policy is in place with the objective to Identify Learning Levels of the Students and Implement the Action plan for them and Monitor and evaluate the effectiveness of the Plan.

Process set for Identification of Slow, General, and Advanced Learners at VIT

- During the Teaching&Learning process and mentoring process, the faculty classifies students as Advanced and Slow learners.
- To meet the requirements of both slow and advanced learners, the institute has a strong mentorship programme in place. Intensive Educational Development Programme (IEDP), which arranges remedial sessions for slow learners and also for caustic subjects is in place.
- The Teacher and the Faculty mentor together analyse the learning abilities of Students/ Mentees based on the indicators such as academic performance and also behavioural, psychological and social aspects. To ensure

that identification of the Slow, Mid and Advanced Learners is carried out properly, the mentors also continuously interact with the respective Class teacher.

Efforts for Advanced Learners: They are encouraged for Add-On, online/ NPTEL courses, internships, members of professional bodies like IEEE, IETE, ACM, CSI, BMESI, participation conferences, in Smart India Hackathons etc.

Efforts for Slow Learners: Video lecture capture facility, Remedial and extra sessions, IEDP program, Mentoring, digital repository.

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

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2848	129

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

The Institute uses a variety of student-centric techniques to ensure an improved learning environment and, as a result, achieves successful curriculum delivery. At the beginning of the semester, cluster mentors rigorously review AAP and ensure that variety of student-centric methods are included. At the end of semester, during review process, panel of experts verifies the content delivery specified in AAP.

The institution chose the MS-Teams online content delivery technology to deal with the pandemic crisis and prevent students' academic loss. The e-resources like LMS, vLive, vRefer etc. are used for providing e-content developed by the faculty.

Experiential learning

- Lab Experiments: Online open-source simulators/software
- Hands-on Workshops like Cyber Security and Incident Response, Industry Trends and Project in Web Applications etc.
- Virtual Field trips, Virtual labs
- Internships
- Live Projects

Individual learning:

- Value-added Assignments/Quizzes/Crosswords
- Online courses: NPTEL/MIT-OCW/Coursera, etc.
- Interactive Language Lab
- Poster presentation

Participative/collaborative learning:

- Student Seminars
- Webinars like "Enabling Project-Based Learning with MATLAB, Target Hardware "
- V-Talks Webinars
- Mini Projects: "vCard", "Sarthi Chatpot" etc.
- Group discussions
- Flipped Classroom
- Various Competitions: Hackathon2021, Reverse Coding etc.
- Committee activities: Workshop on AutoCAD, Hackatronics, IRIS-2022, Voyager-2022 etc.
- Gaming Activities - Kahoot, Quizlet etc.

Problem based learning:

- PBL Experiments
- Case Studies
- Technical paper review
- Scholarly Term Paper

File Description	Documents
Upload any additional information	View File
Link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/2.3.1%20-Student%20Centric%20Teaching%20Learning%20Methods.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The institute has always been proactive to provide ICT enabled infrastructure and facilities to make teaching learning process effective, ensuring student engagement. This facilitates to cater the needs of techno savvy millennial generation. The use of ICT enabled tools and resources transforms the traditional classrooms into a new look wherein, content delivery is effective with the inclusion of videos, advanced simulators, e-learning platforms etc. and e-assessment is faster.

A well-planned CCTV Surveillance system has been implemented throughout the campus with access control, detection alarm etc. The institute provides ICT tools and resource infrastructure as described below.

e-Resources and Techniques:

- v-Live, v-Refer, v-MIS, v-Print, v-Talk, v-Repository (teaching learning resources)
- Lecture Capture Recording facility by Impartus
- NPTEL Videos, eBooks
- Online Fees Payment facility
- Microsoft Teams (Online Teaching-Learning), Zoom (Meetings and Seminars)
- Coursera, edX, Matlab Academy (Online Courses)
- TedEx
- Digital Content Development and YouTube channels
- Institute NDLI Club

ICT Infrastructure available at the Institute:

- 37 Classrooms with LCD projectors and Wi-Fi connectivity
- 19 Smart Classrooms
- 3 Seminar halls equipped with projectors, audio video recording, wi-fi and LAN
- 19 Video Centers
- 754 Personal Computers
- 100 Mbps Leased Line Internet Connection
- 7 Tablet based information Kiosk
- 1 Online Library
- 1 Language Lab
- 1 Print Station

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

101

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

129

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

24

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1334

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The Internal Assessment System comprising IA tests and Teamwork is based on the guidelines prescribed by the University of Mumbai. Viewpoints of various stakeholders like Faculty, Students, DAB are also considered.

1. Internal Assessment (IA) tests:

Two online IA tests are conducted during the semester covering the entire syllabus, ensuring maximum CO attainment and robustness. Transparency is ensured by pre-notifying students, the IA test schedule, syllabus, pattern, evaluation scheme. Online proctored examinations are carried out and immediately results are declared.

2. Term-work Assessment:

The term work evaluation is based on continuous assessment

utilising range of mechanisms, including attendance, assignments, tutorials, lab performance, journal assessment, and periodic mini project assessments. Additionally, other group activities outside of the curriculum are carried out like poster presentations, panel discussions, and mock general discussions, also extra assessments like pop quizzes, open book, and take-home tests are considered. Periodic assessment is done, and the frequency depends on the type of tool used, ensuring robustness. By using the established and previously announced grading rubrics and selecting an expert panel to conduct periodic evaluations of the projects, transparency in assessment is ensured.

File Description	Documents
Any additional information	View File
Link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/2.5.1%20-Mechanisms%20of%20Internal%20Assessments.pdf

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

Ordinances of UoM and the Institute's SOPs are available to enable dealing with examination related grievances transparently in a time bound and efficient manner.

1. Redressal mechanism for grievances before Exam

Students can file complaints with the principal for things like the non-issuance of a hall ticket or a name correction. Corrections are made right away following verification.

2. Redressal mechanism for grievances during Exam

Any discrepancy/doubt in the question paper reported by student is cleared by the Supervisor / Chief Conductor immediately.

3. Caught for practicing unfair means

- The Board of Examinations of UoM and/or Principal will set up committee which gives a hearing and decides the appropriate action if the student is found guilty.
- All cases of unfair means are dealt with as per Ordinance 5050 of UoM.

4. Redressal mechanism for grievances after Exam

- Masked answer books are submitted to new examiner chosen by UoM for reassessment in cases of revaluation applications. The new scores are taken into consideration as the final scores, if there is deviation in the scores for more than 25%.
- Students can address to the principal with any totalling errors in the grade report or incorrect SGPI. The document is instantly corrected after verification, and the student is given the updated copy.

File Description	Documents
Any additional information	View File
Link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/2.5.2-%20Mechanisms%20to%20deal%20with%20internal%20exam%20related%20grievances.pdf

2.6 - Student Performance and Learning Outcomes

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

The Institute follows the Academic curriculum as prescribed by the UoM (University of Mumbai) which specifies the Course Outcomes (COs) for all the programs. Graduate Attributes (12) i.e., Program Outcomes (POs) for Engineering and Management programme as specified by National Board of Accreditation (NBA) are suitably modified with respect to specific Programme. Focussed Specific Programme Outcomes (3-4) for each Programme are also articulated as Program Specific Outcomes (PSOs).

All these Outcomes are disseminated to the stakeholders through the following channels:

Digital Media

1. Institute Website (www.vit.edu.in)
2. Internal MIS (ERP)

Print media

1. Staff Diary
2. Course diary
3. Academic Administration Plan
4. IA paper
5. IA audit form

Outdoor: Boards at prominent places

1. Instructional Areas

- Laboratories
- Seminar hall

2. Administrative Areas

- Department offices
- Faculty rooms

Activities/Meetings

1. Orientation / Induction programme
2. Presentation of lesson plan in the first lecture
3. Departmental meetings while discussing attainment levels.
4. DAB meetings
5. IQAC meetings
6. Board of Studies meetings

These course outcomes provides the ability to frame curriculum progressively for holistic development of the students .

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File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/2.6.1%20Mechanisms%20to%20convey%20vision,%20mission%20with%20program%20and%20course%20outcomes.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Course Outcome attainment: Calculation of CO attainment is based on the following components.

1. Internal Evaluation (20%Weightage) comprising IA Tests, Lab work, Assignments etc.
2. External Evaluation (80%Weightage) comprising of End Semester Theory and Oral/Practical Examination

Levels are based on the percentage of number of students who are scoring above the calculated threshold value. The Threshold values considered are 60%, 70%, 80% for the attainment of level 1,2,3 respectively. Subsequently, attainment value is multiplied by the respective weightage of that component.

PO Attainment

PO attainment is carried out using Direct and Indirect tools. CO-PO mapping is used as a Direct tool for PO attainment.

Direct Tools (80% weightage): Attainment of COs for all the courses under the Programme is carried out and based on CO-PO mapping table of the entire programme, attainment of each PO is carried out. However, as all PO's attainment could not be possible using CO attainment, Indirect tools are also used.

Indirect tools (20%weightage):

Following tools are used

- Program exit survey
- Employer Survey

- Alumni Feedback

PSO Attainment:

It is same as calculation of PO attainment with direct and Indirect tools mapped to PSOs.

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

2.6.3 - Pass percentage of Students during the year**2.6.3.1 - Total number of final year students who passed the university examination during the year**

795

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://vit.edu.in/annual-reports.html

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://vit.edu.in/images/downloads/naac-uploads/2021-22/2122%202.7.1%20Final%20SSS.pdf>

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

00

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides**

03

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

01

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://iiqm.res.in/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute has created an ecosystem for research culture, Incubation centre, Intellectual Property Rights (IPR) cell, Entrepreneurship. Research and Development Cell is in place.

The R&D ecosystem constitutes Human manpower infrastructure comprising 06 recognized research guides, 24 doctorate faculty and 23 faculty pursuing Ph.D programs. Physical infrastructure comprising well equipped Library and laboratories with modern simulation tools and equipment for carrying research activities. Mumbai University approved Ph.D. Programme for Computer Engineering is in place.

Incubation Centre and Entrepreneurship Cell (E-cell) initiates various activities to identify and nurture the latent entrepreneurial spirit of students and provide them opportunities for excellence. Activities like Product case study competition was conducted.

Research and Development Committee facilitate creation and transfer of knowledge by conducting technical workshops, seminars, industrial visits, Gadget Guru Sessions, Training programs, National and International Conferences, Book Reviews/Paper Reviews, Technical presentations by faculty members and also provides mechanism for submission of minor and major research proposals for funding by Institute/University.

AET Journal: Institute publishes technical journal 'Applied Engineering and Technologies', with ISSN: 2278-1722 annually. Quality of reviewed research papers is ensured through reviews.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/3.2.1_Institution%20has%20created%20an%20ecosystem%20for%20innovations.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

05

File Description	Documents
Report of the event	No File Uploaded
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

03

File Description	Documents
URL to the research page on HEI website	https://vit.edu.in/rnd.html
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

79

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers

in national/ international conference proceedings year wise during year

13

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Institute has conducted several activities in the neighborhood community relevant to sensitizing students to social issues for their holistic development.

- **Cleanliness:** Cleanliness is one of the most important things for healthy living. NSS-VIT, organised a Beach Cleaning Camp at Girgaon Chowpatty and Mithi River at Bandra in collaboration with Beach Please Committee, Mumbai.
- **Environment:** VIT-NSS is actively working to improve the environment. We participated in a Tree Plantation Drive and carried out a plantation drive in Karjat in collaboration with Swapnavan. The Stray Shelter event conducted by our committee helped The Wadala Welfare of Stray Dogs. We believe that we will improve the current condition of the environment by helping in every way possible.
- **Health:** VCAN and Say No to Drugs were two university events. NSS-VIT volunteers assisted at the Jag Jivan Hospital's blood donation camp. They even contributed to the huge success of the polio vaccination drive.
- **Other initiatives:**

In collaboration with Shri Prerna Prabodhini, we organised an orphanage teaching programme.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/3.4.1_Extension%20activities%20for%20sensitizing%20students.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

Nil

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

12

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year	
3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year	
1069	
File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File
3.5 - Collaboration	
3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year	
3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year	
435	
File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File
3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year	
3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year	
13	

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

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 equipment etc.

The Institute fulfils all the norms specified by the statutory bodies in terms of land requirement, instructional, administrative and amenities area.

Instructional facilities:

- Classroom (air-conditioned): 39
- Tutorial Room: 09
- Laboratory: 58
- Research Laboratory: 01
- Language Laboratory: 01
- Seminar Halls: 03
- Auditorium: 01
- Discussion Rooms: 07
- Drawing Hall: 01
- Workshop: 01
- Computer Center: 01
- Library and Reading Room: 01
- Computing equipment and IT Facilities: Central server with 1142 computing machines, 20 licenced softwares, "Any Time Print" (ATP) stations, Digital Repositories like vRefer, Online MOOC courses through Swayam

Laboratories: Well-equipped with latest equipment like Spectrum Analyzers, Logic Analyzer and Vector Network Analyzers. The laboratories have around 15 licensed software/simulation tools like IE3D, OPTISIM, Genesis, Rational Rose, AUTOCAD, MATLAB, TCAD, SPSS, Oracle. The Language Laboratory with 20 Apple Machines.

Library: 8176 titles, 41322 volumes and journals like IEEE, EBSCO, K-Hub etc.

Awards for Infrastructure: The internationally acclaimed "Design Share Honor" award, The "Top Institutional Theatre Design in the world" award, The Auditorium is featured in the December 2014 issue of 'Home Trends' magazine and in the international 'Professional Lighting Design' magazine.

The awards conferred on the Vidyalkar Campus are a testimony of the adequacy of the facilities for teaching learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/4.1.1 The%20Institution%20has%20adequate%20infrastructure%20and%20physical%20facilities%20for%20teaching-%20learning.pdf

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

The Institute has state of the art and well-maintained sports facilities. The Institute has appointed full-time qualified Sports Officers to train and guide students in various sports.

Sports and Games:

- **Indoor games:** Games like Table Tennis, Chess, Carom, pool, Air Hockey, Foos-Ball, Play Stations (PS4) (Computer games) and Karaoke room.
- **Outdoor games:** The Institute has a multi-court for Volley Ball, Basket Ball and Tennis. It also has two playgrounds for cultural activities and outdoor sports like Football, Cricket, Kabbadi, Kho-Kho, Athletics and a Badminton Court.
- **Yoga:** Yoga sessions are conducted for students to channelize their focus and expand their energy to train and sharpen the body, mind and spirit in the right direction.

Cultural Activities:

- **Cultural council of VIT:** Cultural activities are carried out by cultural council all-round the year at the Amphitheatre, Auditorium, Plaza and the Playgrounds. Every Friday, Dance Workshops, Movie screenings, Skits, Rockshows, Theatre workshops are arranged as part of "Friday Paathshala".
- **Student Council:** Be it performing arts, fine arts, literary arts, technical skills or sports; VERVE caters to all the needs of a talented personality. The Annual Intercollegiate Cultural Festival - "VERVE" receives participation from 60 other colleges and is a host to around 50 events.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/4.1.2 The%20Institution%20has%20adequate%20facilities%20for%20cultural%20activities,%20sports,%20games%20(indoor,%20outdoor),%20gymnasium,%20yoga%20centre.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

42

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/COMPLETE%20LIST%20OF%20GEO%20TAGGED%20PHOTOS%20-%20CLASSROOMS%20AND%20SEMINAR%20HALLS_compressed.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**2.10431**

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Library automation is extremely important in this age of technology. As there is tremendous growth in the different fields of knowledge and there is need for access to the desired literature. The VIT has also taken initiative to move its library towards paperless functioning through the use of automated library management software. The design & development of this library automated software is carried out at the institute level & customized to suit to our requirements. It is difficult to have access to the desired literature with manually operated devices. Library automation is the use of automatic and semi-automatic data processing machines to perform such traditional activities as acquisition, cataloguing and circulation.

(1) Name of the ILMS software:

VIT has developed its own software vMIS (Vidyalankar- Management Information System) which has inherent library automation functions. It is accessible to all Staff and Students. It can also be accessed through Internet/Intranet.

(2) Nature of automation (fully or partially)

All the Library functions are fully automated.

(3) Version

Library uses version 3.0. (All versions have been developed in-

house)

(4) Year of Automation

Library is fully automated since its inception in 1999.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/4.2.1_Library%20is%20automated%20using%20Integrated%20Library%20Management%20System.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

9.21902

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

87

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institute's IT facilities include Server, Firewall, Access Points, and Computing facilities.

Server: Virtual applications managed by three IBM servers each of 32GB RAM, 600GB HDD, Xeon 16 core Processor with speed 2.6 GHz /1866 MHz configuration and its data backup managed by One IBM server with 24GB RAM, Xeon 8 core Processor with speed 2.6 GHz / 1866 MHz configuration. Two HP servers with 4GB RAM, 1TBHDD, Xeon Processor managing ERP data. Desktop Virtualization managed by One IBM server with 24GB RAM, Xeon 8 core Processor with speed 2.6 GHz / 1866 MHz configuration. LMS is managed by three servers.

Firewall Details: SOPHOS-SG-430 as main firewall also manages 40 SOPHOS access points and SONIC firewall with 10 access points acting as Wi-Fi controller for SONIC Access point.

Computing Facilities: 1142 computing machines available.

Software: Licensed application and system software's available. Tie-up with Microsoft Corporation for Microsoft products and emailing solutions.

Internet and Wi-Fi: 500Mbps internet leased line Vodafone ISP. Secured user level Wi-Fi authentication. Institute has Own Storage Area Networks of capacity 12TB storing Virtual application data of vPrint, vMIS and License server. A Network Attached Storage of 1TB storing all software setup files accessible from LAN.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/4.3.1_Institution%20frequently%20updates%20its%20IT%20facilities%20including%20Wi-Fi.pdf

4.3.2 - Number of Computers

1142

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

1516.43547

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1.Maintenance of Physical Infrastructure and Support facility:

Facility Management department ensures maintenance of the physical, academic and support facilities in a planned and systematic manner as per institute's standard policies. Routine Maintenance is carried out by housekeeping staff using automated cleaning equipments. For minor repairs, Institute has a workforce of carpenters, masons, electricians, and plumbers. Regular service of fire alarm system, air conditioning (HAVC) system, high-end AV systems, CCTVs, and lifts through professional agencies. Periodic painting, structural audit, water sample testing, pest control and anti-termite treatment is done.

2.Maintenance of IT Infrastructure:

Systems department ensures that the IT infrastructure is properly maintained. Server and firewall are covered under the comprehensive AMC. Institute has a fulltime maintenance engineer and an independent maintenance room. Every laboratory has an in-charge who maintains a complete record of equipments in the laboratory.

3.Utilization of Physical, Academic and Support facilities:

The library is fully automated by Institute's MIS which maintains library functions. Faculties are issued laptop with Microsoft Office365 licence. Student use licenced software to complete online labs and tutorials. Institute has tie-up with MOOC online platforms. E-content facilities are enhanced for students' learning. Classrooms/Laboratories/Tutorial rooms/Sports Complex are regularly maintained by FM team.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/4.4.2_established%20systems%20and%20procedures%20for%20maintaining%20and%20utilizing%20physical,%20academic%20and%20support%20facilities%20-laboratory,%20library,%20sports%20complex,%20computers,%20classrooms.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1409

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

08

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	https://vit.edu.in/images/downloads/naac-uploads/2021-22/5.1.3 %20Capacity%20building%20and%20skills%20enhancement%20initiatives 2.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1455	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1455	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</p>	<p>A. All of the above</p>
--	-----------------------------------

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

345

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

49

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

81

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

19

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Institute has strong-willed Student Council, Students Chapters and Students Association.

Student Council:

The Council aims to bring out hidden-potential, creative-skills, team building and leadership of students by organizing activities through Cultural, Sports, Technical and Literary subcouncils who also actively participate in "VERVE", the annual festival, as well as in "Friday Pathshala".

Representation on the academic committees:

- Every class has class representative and deputy class representative selected by faculty members.
- Student Chapters are established for professional bodies such as ACM, CSI, IEEE
- Every Department has Student Associations CESA, ITSA, EESA, ETSA with a faculty convener and students.

Representation on the administrative committees:

- Student feedback on amenities
- NSS
- Alumni committee
- Anti-Ragging committee
- College Development Committee (CDC):
- Mahila Takrar Nivaran Samiti
- Department Advisory Boards

Active Student contribution on other Institute committees:

- "Friday Pathshala" is conducted on every Friday and is an unique event to unplug students from daily academic activities.

Alila: is a very innovative concept to unfold the hidden talent/skills of our students. It explores the skills like art, calligraphy, candle making etc. It is conducted in open air environment to release the stress

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/5.3.2%20Institution%20facilitates%20students%E2%80%99%20representation%20and%20engagement%20in%20various.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

35

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Although there is no registered Alumni Association in place, the Alumni committee is very instrumental in connecting alumni to the Institute through various digital means and alumni contributes significantly for the Institutional development.

Alumni connect: VIT firmly believes in connecting with all alumni and therefore, mechanisms like Alumni Committee, Alumni Directory and Alumni App "Alma Shine" are devised.

1. Alumni Committee: Since 2003 it nurtures a bond with alma mater and hence receives feedback on curriculum delivery and assessment mechanisms.
2. Alumni Directory database is available from the year 2003 till date. Directory is designed to keep track of all alumni by different sorting methods.
3. Alumni Android app is available from the year 2016 and 8000+ alumni have registered through it.

Star Alumni: VIT takes pride in many star alumni who are currently holding eminent and illustrious positions in Apple, Qualcomm, Ericsson, CISCO, Deloitte, Intel, Morgan Stanley, IBM, Samsung, Amazon, Barclays.

Contribution from Alumni: VIT alumni contribute significantly to the development of the Institute through the following non-financial means like:

- Making students aware of recent developments in industry through guest lectures/ alumni sessions
- Sharing their own success stories
- Alumni as members of DAB and IQAC facilitates for curriculum enrichment and for enhancing quality in various aspects like Industry-Institution interaction, value added courses, start-ups etc.
- Facilitates students for higher education and placements through career counselling sessions
- Facilitates Institutes for organisation of International Educational-tour

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)	E. <1Lakhs
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 and in tune with the vision and mission of the institution	
<p>Vidyalankar Institute of Technology is an Engineering & Management Institute approved by AICTE, New Delhi and Government of Maharashtra and affiliated to University of Mumbai. It imparts well-coordinated, multi-disciplinary, quality technical education. The Governing Body of the institute is the apex decision-making body, constituted as per the guidelines laid down by UGC. The institute has Vision to establish the goal to foster the scholarly environment for the development of student and researchers for societal benefit. The mission statements of the institute depicts the pathway to achieve the vision by highlighting important aspects namely, curriculum emphasizing strong fundamentals, teaching-learning process, digitally-enabled learning environment, developing modern academic and infrastructural facilities. The departments have formulated their vision and mission in tune with that of the institute. The governance in the institute is participatory, decentralized, and transparent. Policies related to academics, curriculum development, research, administration, finance, infrastructure, extension, co-curricular and extra-curricular activities are conceived, planned and executed with adequate representations and involvement of stakeholders. Further, the compliance of such activities is monitored at the end of each semester by IQAC. Various committees are in place to monitor the institute progress towards realizing its vision, mission while adhering to quality policy.</p>	

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.1.1_QLM_AI_Governance%20Structure.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Institute promotes decentralisation and participative management in various administrative and academic activities for effective implementation and hence monitoring of SOPs, policies, regulations and guidelines. Structured delegation of authority, Faculty empowerment to decide academic/administrative/co-curricular/extra-curricular activities is in place.

Case Study: Cluster Mentor Activity

The Institute has constituted 50 clusters of allied courses with an objective to encourage collaborative academic leadership through the cluster mentors to facilitate curriculum enrichment. Each cluster has respective course teachers, one internal and two external mentors (Academic & Industry). Gaps in the curriculum are identified through structured feedback on curriculum by stakeholders and inputs from Departmental Advisory Board(DAB), cluster mentors and accordingly Beyond Syllabus Activities (BSAs) are planned to strengthen AAP.

Process:

1. AAP preparation by every faculty in consultation with Internal cluster
2. Meetings with external mentors for strengthening AAP for various beyond syllabus activities, quality enhancement in lab work, field trips etc.
3. Internal Cluster mentors also facilitate teachers for improvising and designing problem based learning experiments with new tools & technologies
4. Cluster Members prepare Model Solution and mentors audit the same.

Outcome: The practice of cluster mentoring has resulted in the effective Gap Mitigation for course delivery and to achieve course outcomes.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.1.2_QLM_AI_Cluster%20List%20and%20Reports.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Institute has a strategic plan in place. The plan is developed by the Institute Strategic Planning Committee (ISPC) in consultation with IQAC and approved by the Governing Body.

To strengthen the existing academic system and procedures of the Institute, certain academic initiatives are proposed in the plan. Curriculum enrichment through Autonomy is one of the proposed initiative. Autonomy curriculum of the Institute offers required academic flexibility with emphasis on industry requirements and market trends, employability and problem-solving approach which leads to improving competency level of students with diverse strengths. To achieve academic flexibility choice based credit and grading system is adopted. The overall credits and approach of curriculum is in line with AICTE model curriculum. The curriculum has core courses of branch of engineering positioned and sequenced to achieve sequential and integral learning of the entire breadth of the specific branch. From third year of program Professional elective courses are offered that present flexibility and diversity to learners to choose specialization as per demand of recent developments in their field of technology.

Additionally, curriculum provides add-on minor/honours degree that involves field/ domain study. Student can avail this degree by completing requirement of additional 15 credits.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.2.1_QLM_AI_IQAC%20MOM.pdf
Upload any additional information	View File

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

The Institute is managed by the Governing Body (GB), constituted as per the guidelines stipulated by AICTE. The members of the GB discuss and decide policies and action plans for fulfilment of the stated mission. VIT has decentralised its operations and has delegated authority at various levels to ensure good governance. The Principal is the academic & administrative head who monitors the overall functioning. For efficient functioning, the daily administration is coordinated by Vice Principal (VP) Chief Academic officer (CAO), Chief Operating Officer (COO) and Director Internal Quality Assurance Cell (IQAC) who works in coordination with the Principal. In the Academic year 2021-22 a modified structure for the effective functioning of various academic and non academic bodies are proposed to be implemented from the A.Y. 2022-23. Some of the major component from the proposed governance structure are Academic council at Institute level, Board of studies at department level to monitor and review program structure of the department.

Service rules procedures and Promotional policies are followed as per the rules of AICTE, Mumbai University. Grievance redressal mechanism: Grievances Redressal cell deals with all types of grievances, complaints, and malpractices including those received from Students, Faculty, and other Stakeholders.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.2.2_QLM_AI_Organogram%20and%20Policies.pdf
Link to Organogram of the institution webpage	https://vit.edu.in/about.html
Upload any additional information	View File

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) Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The Institute has following effective welfare schemes for the benefit of its teaching and non-teaching staff.

1) Teaching Staff: Reimbursement of fees paid for STTP's/Workshops as per policy, laptops to every faculty to encourage the use of modern teaching aids.

2) Non-Teaching staff: Sponsorship/Fee Reimbursement for Workshop/Training as per policy, appointment on compassionate grounds to a dependent family member of an employee who has expired while in service, three sets of uniform to non-teaching staff; the entire cost is borne by the Institute.

3) All staff:

- Leave/Reduced teaching load to pursue Masters/Doctoral research provided to faculty completing two years of continuous service, various leaves like casual leave, sick leave, earned leave, maternity leave, study leave and compensatory leave as per the HR policy
- All staff are eligible for Gratuity after completing continuous service of minimum years, Leave Travelling Concession once in a block of two calendar years, coverage of medical insurance up to 1 lakh.
- First Aid boxes on campus, a full-fledged Gymkhana offering recreational facilities, health awareness programs like cancer awareness, yoga sessions, organ donation etc., professional counsellor to address students & Staff.
- Institute has provided free access to MOOCs platforms like edX and Coursera

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.3.1_QLM_Welfare%20Measure%20s.pdf
Upload any additional information	View File

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

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

66

File Description	Documents
Upload any additional information	View File
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 programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

12

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

74

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The institute has developed a well-thought-out framework for evaluating Engineering and Management faculty members' performance and orienting, managing, guiding, and encouraging them to meet quality benchmarks.

Appraisal System for Teaching Staff

The appraisal form comprises six categories namely Academic Involvement (27.8% Weightage), Student Development (27.8% Weightage), Administrative Bucket (11.11% Weightage), Research Bucket (11.11% Weightage), Consultancy and Corporate Training Bucket (11.11% Weightage), Product Development Bucket (11.11% Weightage) with a total of 45 performance parameters. In order to evaluate the level of performance rigorously, criteria, quality benchmarks and weightages for each criterion are defined for the majority of performance parameters. Faculty is required to calculate the self-score for each performance parameter. Following that, the reporting officer verifies the supporting documents and scores that parameter. Category wise expectations of minimum marks for different Cadres are also specified.

Appraisal System for Non-Teaching Staff

It is based on the qualitative and quantitative responses towards 25 performance parameters of assessment. Quantitative parameters are mapped with the number of points i.e., score. At the end of each year, staff is evaluated for their performance. Wherever, there is scope for improvement, it is communicated to the concerned staff through their reporting officers.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.3.5_OLM_AI_Performance%20Appraisal%20Score%20Card.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institute has a system of internal as well as external audit. The Books of Accounts of the Institute are audited by the in-house audit team as well as external auditor. Internal audit helps the institute to follow a systematic approach to evaluate and enhance the effectiveness of financial processes. The Institute has Finance committee in place which periodically reviews relevant policies and SOPs. To evaluate and enhance the effectiveness of financial processes, the institute follows systematic approach while conducting internal audit. The audit process monitors accounting categories namely student fees collected, various expenses incurred, profession tax paid, TDS, assets, and liabilities, among others. As a part of audit process, an extensive review and verification of all the transactional vouchers is done and the observations made by the auditors are duly complied with. The external auditor fulfills the responsibility of statutory audit of Institute's Income and Expenditure statement, Balance Sheet and annexures. Statutory audit is conducted once in a year by the external auditor as per stipulated provisions of the Income Tax Act.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.4.1_OLM_AI_Audit%20Report.pdf
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers

during the year (not covered in Criterion III)**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

25000

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Being self-financed Institute, it does not receive grants or donations from Government. The major source of funds is through the collection of tuition fees from the students admitted for various UG and PG programmes. The other financial sources are technical consulting, research project grants, sponsorships for various conferences, seminars, establishment of Industry sponsored labs etc. The institute undertakes planning and budgeting process for appropriate and proper utilization of financial resources. Budgets and compliance to budgets, financial data is closely monitored by the Institute. The budget requirement of all departments is submitted to the director's office. The resources required are justified by respective HODs along with submitted budget. The funds are utilized for approved academic and administrative expenses as per the norms laid down by the authorities. The areas of fund allocation to mobilise the financial resources are prioritised as follows: Remuneration to the faculty and administrative staff; staff welfare activities; guest lectures, workshops, FDPs, training programs; development and maintenance of institute infrastructure; technical competitions, cultural activities, literary events, seminars, placements, uniforms, study notes and study material printing; digital content development; University expenditure towards eligibility fees, enrolment fees, registration fees; Examination expenses; research and development activities; subscriptions to Books/Journals/Periodicals/Magazines/Newspapers; security etc.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.4.3_QLM_AI_Budget.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

1. **V-Repository:** The institute has established its digital V-repository titled archives to systematically organise, store and retrieve the data/evidences relevant to activities conducted at the institute and department level. It is centralised system and can be accessed on and beyond campus. Institute Archives comprise folders such as Admin, Committee, Department, Events, Exam Cell, Institute MoUs, NAAC, NBA, NIRF, Student Council, VCS, VIT Publication etc. Further, year wise subfolders are created for all academic departments to capture the documentations related Stakeholders Feedback, Student Satisfaction Survey, Collaborative activities and Value-added courses, FDPs, STTPs and Workshops organised. Achievements of faculty towards professional, institutional and cluster development are also captured.
2. **Performance Appraisal System:** It is in place since 2016. However, recently in version-2, we have developed a well-thought-out framework for evaluating Engineering faculty members' performance to meet quality benchmarks. The framework comprises six categories namely academic involvement, student development, administrative area, research and development, consultancy and corporate training, and product development with a total of 45 performance parameters. In order to evaluate the level of performance rigorously, criteria, quality benchmarks and weightages for each criterion are defined for the majority of performance parameters. Currently, we have implemented the system, using excel application.

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.5.1_QLM_AI_Vrepository%20Screenshots.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

1. Festival of Examination

VIT being a learner-centric institute, wholeheartedly supports and promotes the thought of celebrating examinations as a festival. The philosophy of the festival of examinations is in sync with one of our Institute's core values 'salubrious attitude' which is all about nurturing and promoting a feeling of well-being and a healthy academic and professional environment.

The faculty members are encouraged to implement exam approach with cluster discussions, multiple and completely choice-based approaches allowing students to display their work in any form, open resource approach, top-down approach, application to subject mapping, and reverse problem methodology etc.

2. Academic Rigor:

Under the Academic Rigour initiative of IQAC, faculty modified the previous Academic Administrative Plan (AAP) to strengthen the teaching learning process of their respective subject. The faculty incorporated following aspects in the rigor:

- Microsite formation
- List of certifications identified / completed by faculty
- List of relevant refresher course
- Reference to top-rated university for subject content
- Best practices identified and adopted
- Top rated research papers referred by faculty

- Identify companies for student internships and placements
- Identify top guest speakers from Industry
- Identify technical competitions for students' participation
- Identify faculty in top schools / universities with similar domain expertise

File Description	Documents
Paste link for additional information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/6.5.2_QLM_AI_Festival%20of%20Examination.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://vit.edu.in/annual-reports.html
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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

As a learner-centric Institute, VIT believes in affirmative action when it comes to equality, inclusivity and diversity by providing equal opportunities to its students and staff without any discrimination on the basis of gender, religion, caste, provincial, urban-rural grounds. Gender-related issues are addressed directly or indirectly in courses like Entrepreneurship Management and Environmental Studies. Modules on Gender bias and Human rights including, sexual and reproductive rights, the rights to equality and non-discrimination, women entrepreneurship, values and gender socialization are discussed in these courses. The Institute implements the State Government's 30% ladies reservation policy for admission. The Institute has Women Development Cell and IEEE Women in engineering committee to promote and encourage female students and employees for their overall development through various activities. The institute also formulated an Internal Complaint Committee which conducts the meeting once in a semester. The major goal of the committee is to plan an activity with University of Mumbai under ICC and to discuss on incidents or complaints of harassment of girl students and women employees in the institute. Also it organize various Gender sensitization sessions to spread awareness about Law and Gender Justice.

File Description	Documents
Annual gender sensitization action plan	https://vit.edu.in/images/downloads/naac-uploads/2021-22/7.1.1_CU_GS%20Action%20Plan-2021-22.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/7.1.1_CU_Specific%20Facilities.pdf

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

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste Management at Campus

Institute makes deliberate measures to handle degradable and non-degradable waste and emphasizes on maintaining clean campus. All are encouraged to adopt the 3Rs, namely Reduce, Reuse, and Recycle.

Solid Waste management practices:

- Use of Styrofoam in the cafeteria is not permitted.
- Campaigns are conducted to reduce the use of plastic both on and off campus.
- Organic and nonbiodegradable (Dry) wastes are collected in green and blue dustbins.
- Composting facility is in place for generating high-quality manure.

Liquid Waste Management practices:

- Waste water management at campus includes cleaning of plant area, sludge removal, dewatering, and tank cleaning.
- Sewage Treatment Plant (STP) with a capacity of 200 m³ per day is in place to take care of waste water generated. Water is REUSED in green landscaping through sprinklers.

E -waste management practices:

- Regular maintenance by technical staff and reutilization of spare parts of discarded electronic devices is a common practice.
- To sensitize students and staff on careful disposal and management of electronic waste, E-waste bin is installed at VIT.
- E-waste is collected by a company called Eco Recycling Ltd (Ecoreco).
- Non-functional computers, monitors and printers are

discarded on a eco-friendly manner

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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	A. Any 4 or all of the above										
<table border="1"> <thead> <tr> <th data-bbox="86 441 539 506">File Description</th> <th data-bbox="539 441 1436 506">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 506 539 647">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="539 506 1436 647" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 647 539 748">Certification by the auditing agency</td> <td data-bbox="539 647 1436 748" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 748 539 851">Certificates of the awards received</td> <td data-bbox="539 748 1436 851" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 851 539 916">Any other relevant information</td> <td data-bbox="539 851 1436 916" style="text-align: center;">View File</td> </tr> </tbody> </table>	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	
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Certification by the auditing agency	View File										
Certificates of the awards received	View File										
Any other relevant information	View File										
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above										
<table border="1"> <thead> <tr> <th data-bbox="86 1471 539 1536">File Description</th> <th data-bbox="539 1471 1436 1536">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1536 539 1637">Geo tagged photographs / videos of the facilities</td> <td data-bbox="539 1536 1436 1637" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1637 539 1778">Policy documents and information brochures on the support to be provided</td> <td data-bbox="539 1637 1436 1778" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1778 539 1881">Details of the Software procured for providing the assistance</td> <td data-bbox="539 1778 1436 1881" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1881 539 1946">Any other relevant information</td> <td data-bbox="539 1881 1436 1946" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Geo tagged photographs / videos of the facilities	View File	Policy documents and information brochures on the support to be provided	View File	Details of the Software procured for providing the assistance	No File Uploaded	Any other relevant information	No File Uploaded	
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Details of the Software procured for providing the assistance	No File Uploaded										
Any other relevant information	No File Uploaded										
7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other											

diversities (within 200 words).

The Institute conducts several activities to promote an environment for ethical, cultural, and spiritual values among students and staff.

- The Student Council conducted an online event "When East Meets West" during March 11-15, 2022. The event was conducted under the aegis of AICTE'S 'Azadi ka Amrit Mahotsav' thereby taking a strong step towards 'Ek Bharat Shreshtha Bharat'.
- Student Council in association with Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY) organised, the "Classical Evening" with Carnatic vocalist Shri Sikkil Gurcharan on 22nd January 2022 and "Folk Craft", on 23rd January 2022.
- Diwali Pahat and Sandhya were celebrated on 4th and 10th November respectively, where the classical prodigy shined to its fullest potential.
- On 23rd December 202, webinar on recent advances in Agriculture Engineering titled as 'Kisan Diwas' was conducted to celebrate National Farmer's Day.
- Various events like "Shivswarajya Din" on 6th June 2022, 'Tribute to Netaji Subhash Chandra Bose on the eve of 23rd January 2022, Essay writing competition titled 'Your Expressions create an Influence' on 9th April 2022, Poster Making Competition titled as 'Explore Your Creative Genius,' and ????? ????? ?? ????? ?? - on 11th February 2022 were conducted.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

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

Institute conducts activities to increase consciousness about fundamental duties and rights of Indian citizens that inculcate the values related to constitutional obligation among staff and students.

- On 29th December 2021, sessions on 'Universal Human Values' for students during online Induction Program. The primary objective to nurture students to develop a humane society that is based on the principle of mutual trust and happiness. It aimed to imbibe happiness in every student through right understanding and right thought. Code of conduct is disseminated in orientation program at the beginning of every semester.
- On 14th December 2021, online event titled as 'National Energy Conservation Day' was organised. Importance of using electric vehicles was told by stating its benefits such as energy efficient, cost effective, environment friendly etc. The primary idea behind this event was to spread the idea of 'plugging in instead of fuelling up' amongst the new entrants.
- The Student Council arranged the most awaiting event 'Kuch toh log kahenge' on 16th February 2022.
- In order to sensitise students and staff to the constitutional mandate, many programmes such as "Republic Day Awareness," "Orphan Teaching," "Beach Cleaning," "Tree Plantation," and "Stray Shelter Feeding." Were conducted during 2021-22.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://vit.edu.in/images/downloads/naac-uploads/2021-22/7.1.9%20-%20Human%20Values%20and%20Professional%20Ethics.pdf
Any other relevant information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/7.1.9%20-%20Sensitization%20of%20students%20and%20employees%20of%20the%20Institution%20to%20the%20constitutiona%20l%20obligations.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs 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

National festivals observed at VIT include Marathi Bhasha Divas, Independence Day and Republic Day. Also, institute celebrates international yoga day.

Republic Day

Students and staff of all Institutes on the campus assemble every year on 26 January on the occasion of Republic Day and attend flag hoisting followed by a systematic parade by security guards.

Independence Day

Independence Day is celebrated every 15 August in VIT with a flag hoisting ceremony followed by a systematic parade by security guards. To promote unity and harmony, various institutes on the campus showcase cultural program together. On the occasion of 75th Independence Day, 15 August 2021 Vidyalkar Institute of Technology celebrated Azadi Ka Amrit Mahotsav which was streamed online on VIT official YouTube channel.

International Yoga Day

The International Day of Yoga was celebrated in VIT to contribute to the global cause of honing and withholding the ancient and serene practice of physical wellbeing in conjugation of mental serendipity. The event was conducted in the M-101 room hosting approximately 60 participants which included a mix of students and faculty members alike.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

VIT has developed many best practices to enhance academics culture, two of which are:

1. Enhancing Digital Learning Resources

VIT has been promoting digitalization in line with GoI's Digital India and NEP 2020. VIT's digital resources are customized, accessible on and beyond the campus. VIT's vProvisions are

incubated in the Innovation Lounge, e.g. vLive (discussion forum), vPrint (web-based centralized printing service), vRefer (academic repository), vTutorials (software generating mathematical assignments). VIT Open Courseware includes Lecture Capture System and e-Learning resources. We have licensed version of Microsoft 365, MATLAB with 52 tool boxes, a robust IT infrastructure with Wi-Fi enabled classrooms equipped with LMS and projectors, Virtual Labs with IITB, MOOC on Coursera and EdX, vSpeak - digital language lab. VIT is equipped with infrastructure required for the enhancement of Digital Learning Resources.

2. Capstone Projects

Capstone projects develop technical, managerial and collaborative skillset of students. Four project reviews during a year ensure continuous evaluation. Project Diary captures the formative assessment of the project cycle. Projects are classified as research based, application based, product based etc. They are also classified domain-wise (VLSI, Image Processing, Embedded Systems, IoT, Cloud Computing, etc.). Some societal projects (e.g. Smart Farming, Solar powered Bicycle, Landslide Detection) have featured in national dailies. vIdeas is compilation of capstone project ideas, Tantravihar is the annual inter-collegiate project competition. The outcome of project-based learning, initiated right from the First Year and various mini projects, is student teams have consistently won top prizes at Smart India Hackathon.

File Description	Documents
Best practices in the Institutional website	https://vit.edu.in/images/downloads/naac-uploads/2021-22/1.2.1_QNM_AI_CBCS%20programmes.pdf
Any other relevant information	https://vit.edu.in/images/downloads/naac-uploads/2021-22/Capstone%20Project%20Cycle.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Festival of Examinations: Inspired by Hon'ble PM Shri Narendra Modiji 'Pariksha Pe Charcha', with idea of celebrating examinations like festival, VIT, being a learner-centric

institute, facilitates a stress-free environment during exams which is also in sync with one of our core values- 'salubrious attitude'. This approach helps students to appear for exams with confidence by converting their stress into eustress (positive stress) which is also reflected through their improved presentation and eventually performance. It also enabled us to understand what the student has actually learnt which is the crux of Outcome Based Education.

Some strategies under this concept (initiated in 2021-22 by IQAC) are Multiple choice-based approaches, Allowing students to display their learning in any form, Open resource approach, Top-Down Approach - Application to Subject mapping, Reverse Problem Methodology, Giving open problem statements etc.

Exams are re-engineered as opportunities to showcase learning and skills helping students to understand the holistic view of engineering problems. During viva-voce/practical exams, the ambience is designed to allow students to showcase their problem-solving skills and engage in discussions. These positive vibes give students an opportunity to understand the transparent process of evaluation, receive constructive feedback with empathy, and identify areas of improvement. Feedback collected from students indicates that this concept of Festival of Exams is taken positively and the overall improved approach towards exams is also indicative of the same.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Administrative:

The Institute shall apply

- for change in the name of Electronics Engineering to Electronics and Computer Science.
- to the University of Mumbai(UoM) for permanent affiliation of the MMS Programme
- to UoM for Increase in Intake of Ph.D. Computer Engineering

- to the NBA for Electronics Engineering, Electronics and Telecommunication Engineering(EXTC) and Biomedical Engineering(BIOM), UG Programs in cycle-2and MMS program in cycle-1.
- for Closure of M.E.(Information Technology) and reduction in intake of M.E.(Computer Engineering) and M.E. (EXTC) from 18 to 12.
- The Institute's Ph.D. center for EXTC shall commence, subject to UoM approval.
- The Institute shall sign MOU with TCS-ion and BIOM Dept. shall sign MoU with Capgemini.
- Implementation of Autonomy from A.Y.-2022-23, the Institute shall Constitute Academic Council, program-wise Board of Studies and reconstitute Examination Committee, Governing Body, Finance Committee and frame General, Examination rules and regulations/guidelines etc.

Academic:

- The institute plans to have significant reforms for Labs and Classroom teaching by modernising them with industry compatible equipment/tools/simulators/ICT, by adapting new pedagogies, and evaluation methodologies.
- Inspired by Hon'ble PM Shri Narendra Modiji 'Pariksha Pe Charcha', with idea of celebrating examinations like festival, the institute shall conduct practical and viva-voce exams with the approach of "Festival of Exams".
- The Institute establishes program-specific benchmarks for various research-related parameters to strengthen research culture.