YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Vellore Institute of Technology
• Name of the Head of the institution	Dr. Rambabu Kodali
• Designation	Vice Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04162243091
• Mobile no	9994635826
• Registered e-mail	iis@vit.ac.in
• Alternate e-mail address	registrar@vit.ac.in
• City/Town	Vellore
• State/UT	Tamil Nadu
• Pin Code	632014
2.Institutional status	
• University	Private
• Type of Institution	Co-education
• Location	Rural
• Name of the IQAC Co-ordinator/Director	Dr. Kuppan P
• Phone no./Alternate phone no	04162202158
• Mobile	9443628085
• IQAC e-mail address	dqaa@vit.ac.in
• Alternate Email address	director.dqaa@vit.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://vit.ac.in/files/AQAR2019-20/index.html
4.Whether Academic Calendar prepared during the year?	Yes
5.Accreditation Details	

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	77.9	2003	16/09/2003	15/09/2008
Cycle 2	A	3.25	2009	29/01/2009	30/01/2014
Cycle 3	A	3.42	2015	03/03/2015	30/08/2021
Cycle 4	A++	3.66	2021	31/08/2021	30/08/2028

6.Date of Establishment of IQAC	09/03/2007

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
School of Mechanical Engineering	PURSE	DST	2021	191576000

8.Whether composition of IQAC as per latest NAAC guidelines	Yes
• Upload latest notification of formation of IQAC	**View File**

9.No. of IQAC meetings held during the year	4
• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)	Yes

10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

1. Spearheaded the preparation for NAAC IV cycle accreditation with highest Grade A++ 2. AACSB Accreditation for MBA program 3. NABL Accreditation for School of Mechanical Engineering Testing Labs 4. Participation in NIRF and ARIIA rankings 5. Organised seminars/workshops on Quality themes 6. Conducted External Academic and Administrative Audit

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
To initiate launching of new programmes in emerging areas	9 new programmes have been offered
To create repository for digital education content and offer VIT courses through MOOC platform	The Office of VIT Online Learning has developed e-content for 12 courses
To train all the teachers on digital skills and use of technology for "Blended Learning"	Academic Staff College has organised programmes for effective handling of classes through Blended Mode
To enhance the quality of research	VIT was ranked No. 12 in NIRF ranking under Research. The h-index in 2021: 135 Citation per paper: 16.53
To have more focus on commercialisation of IPR	The IPR cell has organised awareness programmes on commercialisation of Intellectual Property Rights
To nurture start-up/innovation culture among the students	The Institute Innovation council has organised about 30 programmes
To improve the National and International Rankings	NIRF Rankings: Engineering: 12, University: 12, Overall: 15 Ranked within the top 450 Universities in the World in Engineering and Technology as per QS subject ranking, 2021

13.Whether the AQAR was placed before statutory body?	Yes
• Name of the statutory body	

Name	Date of meeting(s)
IQAC Meeting	23/03/2022

14.Whether NAAC/or any other accredited body(s) visited IQAC or	Yes

interacted with it to Assess the functioning?

15.Whether institutional data submitted to AISHE

Year	Date of Submission
2020	25/02/2020

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	80
1.2 Number of departments offering academic programmes	17
2.Student	
2.1 Number of students during the year	38593
2.2 Number of outgoing / final year students during the year:	8941
2.3 Number of students appeared in the University examination during the year	38249
2.4 Number of revaluation applications during the year	58
3.Academic	
3.1 Number of courses in all Programmes during the year	2786
3.2 Number of full time teachers during the year	2092
3.3 Number of sanctioned posts during the year	2092
4.Institution	
4.1 Number of eligible applications received for admissions to all the Programmes during the year	202396
4.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	4524
4.3 Total number of classrooms and seminar halls	406
4.4 Total number of computers in the campus for academic purpose	9194
4.5 Total expenditure excluding salary during the year (INR in lakhs)	62820.48

Part B
CURRICULAR ASPECTS
1.1 - Curriculum Design and Development

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

The curriculum of all programmes is developed in accordance to the Programme Educational Objectives (PEO) and Programme Outcomes (PO), which in turn are in tune with the mission statements of the University. The process of developing the curriculum and the course content takes into consideration the feedback from different stakeholders, including academic and industrial experts, and ensures that it has relevance to the local, regional, national and global developmental needs.

Local and regional developmental needs

There are several courses in different programmes which enable students to analyse the local and regional needs and provide solution based on the knowledge acquired. Substantial field work in the surrounding villages paves way for the analysis of physical and socioeconomic factors that influence the development and future growth of the city

National and global developmental needs

VIT has introduced several new programmes in the areas of Internet of Things, Data Science, Data Analytics, Cyber Security, Artificial Intelligence and Machine Learning, Cyber Physical Systems and others. Additionally, several courses offered are aimed at enhancing the technical and entrepreneurship skills of the students, in sync with Start-up India policy. Aligned with the Digital India mission, courses related to computer programming are made compulsory for all programmes.

File Description	Documents
Upload relevant supporting document	**View File**

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

11

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

1966

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

234

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

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

80

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**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

The Institute ensures integration of relevant cross cutting issues in the curriculum of all the

programmes offered. VIT encourages activities related to peer and group learning which provides cross-cultural ambience, and addresses the cross-cutting issues related to Gender and Values.

Gender

Course on 'Gender, Culture and Technology' addresses the issues related to gender. As part of the Ethics and Values courses, students are required to address the issues related to women empowerment, child abuse, responsible living and others.

Environment and Sustainability

Environmental Science is a mandatory course in all the undergraduate programmes. Students are involved in green auditing of the campus and keep track of carbon footprint of the campus.

Human Values and Professional Ethics

Course on Ethics and Values is mandatory for all the undergraduate students. In addition to this, other courses such as Bioethics, Corporate Ethics, Business ethics, Media Ethics are incorporated in the curriculum of relevant programmes. VIT has made the participation of students in extra-curricular activity as a mandatory requirement for graduation. In general, participation in these extra-curricular activities promotes gender equity, personal social responsibility and enables the students to face the challenges in the future workplace, as these mould them to be holistic individuals.

File Description	Documents
Upload relevant supporting document	**View File**

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

91

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

38593

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

26716

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus - semester wise / is received from Students Teachers Employers Alumni	• All 4 of the above

File Description	Documents
Upload relevant supporting document	**View File**

1.4.2 - Feedback processes of the institution may be classified as follows	• Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	**View File**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

12321

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

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

4524

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the studentsand organises special Programmes for advanced learners and slow learners

Assessing learning levels of students

VIT has a robust and dynamic mechanism of assessing the learning levels of the students. On admission to various programmes, the students undertake a Computer Based Test (CBT) which assesses the English language proficiency. Based on the performance of students, a series of non-credit English Language bridge courses are offered to students with low proficiency. After completion of these courses, the credit course on English is offered.

Special initiatives for Slow Learners

Students scoring less than 50% in the first Continuous Assessment Test I (CAT-I) are classified as slow learners. A provision is available in the institutional LMS to faculty member to upload the required material for slow learners, and a follow-up action is also taken in the form of additional classes, tutorials, and assignments.

Special Programs for Advanced Learners

Opportunities exist for students to complement and enhance their learning experience by crediting additional courses in diverse areas. Students having more than 8.5 CGPA are eligible for Minor or Honours credential. The institute also facilitates research at the undergraduate level and enables students to earn credits by registering for Undergraduate Research Experience (URE) and Semester Abroad Program (SAP).

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link For Additional Information	**Nil**

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
38593	2092

File Description	Documents
Upload relevant supporting document	**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

VIT introduced Curriculum for Applied Learning (CAL) in 2015. The main objective of CAL is to emphasize student centric methods.

Participatory Learning: Active Learning Methods (ALMs) like Group Discussions, Workshops, Assignments, Technical clubs, Hackathon etc. help the students whose learning style is in sync with Participatory Learning. Students are also encouraged to carry out the projects in groups.

Experiential Learning: Most of the core courses have either a regular laboratory or project component as part of the course. In CAL, the students have an opportunity to "Learn by doing" in at least 60% of the courses. This can be either through conventional laboratory or project based learning.

Problem Solving Methodologies: Under-graduate engineering students should undergo courses like "Technical Answers to Real World Problems (TARP)", "Introduction to Innovative Projects (IIP)" and "Lean Start-up Management (LSM)". Students are expected to register for TARP course in the prefinal / final year. The objective of this course is to identify real life problems and use engineering principles / technologies to address the problem. The solution is expected to be in the form of fabrication / coding / modelling / product design / process design / relevant scientific methodologies.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

VIT has taken care of integration of ICT in education, inter alia, does promote autonomous learning, student-centered learning, higher order thinking, problem solving, cooperative learning, collaborative learning, social learning and self-paced learning and integrated learning.

VIT has developed an indigenous Learning Management System (LMS) called V-TOP and most of the teaching learning process tools have been integrated into it. VIT has a plethora of tools and systems for the efficient content management for 'any-time any-where' access. In addition to institutional LMS, the faculty members can also use open source educational software MOODLE, which is customized specifically for VIT's teaching-learning infrastructure management and administration. The LMS platform is customized with a set of features that facilitates optimization of services, such as: user management, course management, on-line editing, visual analytics, academic tracking, session participation, attendance, mark assessments, tutorials, project evaluation, collaborative study and assessment of the performance. Each school has a dedicated smart class room with Lecture Capturing System (LCS). VIT has added more than 3000 lectures captured using Lecture capturing system installed in Smart Class rooms. More than 60 full courses have been captured so that they can be used by the students for their revision as and when they want.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

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

2.3.3.1 - Number of mentors

1875

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

2.4 - Teacher Profile and Quality

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

2092

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.4.2 - Total Number of full time teachers withPh.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

1744

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

15460

File Description	Documents

Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

311	

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.5 - Evaluation Process and Reforms

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

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

14	

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

58	

File Description	Documents
Upload relevant supporting document	**View File**

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Some Unique Features of VIT Examinations

Scheduling : Either slot-wise or Course wise as per the course registration / requirement. As exam activities are managed digitally no printed hall ticket will be issued.

Grading : Both relative and absolute grading are practised based on the type and mode of the course and also based on the number of students enrolled in each class.

Exam Mode : a. Paper (normal) mode, b. online mode (CBT), c. Remote Proctored Online Open Book / Notebook Format exams with automatic randomization of question papers.

Question Papers : Faculty members are empowered: a. to set their own question papers b. to use common question papers c. to use randomized questions from question bank as per the requirement.

Evaluation : On Screen Marking using Digital Valuation Systems available on local server / cloud, Paperless Digital Exam Services using exam pads.

Exam Types : Continuous assessments carry an overall weightage of 60%. The assessments include: written tests, home assignments (both manual and digital), involvement in technical events, online courses, video recording, quiz and several others.

CO Attainment : All assessments are mapped to the appropriate course outcomes. The marks obtained in continuous and final assessments are used to quantify the attainment of the course outcome.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

2.5.4 - Status of automation of Examination division along with approved Examination Manual	A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

All programs of the institution have the generic Program Outcomes (PO) which ensures the attainment of graduate attributes. The programs also have Program Specific Outcomes (PSO), which address the program specific requirements. The PSOs are formulated taking into consideration the expectations of respective professional bodies and mandatory agencies.

At the course level, all courses of the programme, have well-defined set of course outcomes. A team of faculty members handling the course formulate the COs and the same is deliberated and approved in the Board of Studies. The course outcomes are planned and designed so as to cover the entire syllabus and the designated competencies.

Publicizing PO, PSO & COs

- The POs and PSOs of all programmes are published in the website and strategic locations of the Institution, in the students' LMS and in the Syllabus books of programmes

Thus the institution has in place a well-defined POs & PSOs for all programs and COs for all the courses. These details are published in the institution website and are integrated with the teaching learning and evaluation system of the institution.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

Assessment of Course Outcomes (COs)

1. Course outcome attainment is calculated from all Course related assessments

2. The assessment process uses both direct and indirect measures to measure the attainment

of each outcome through Examinations, Assignments and quiz, Projects or any other

Instrument used by the faculty for assessment.

II. Indirect Assessment

Course Survey is carried out for every course in each semester to get a formal feedback from students for the courses offered in a semester and provide objective information to the faculty for self-appraisal, self-improvement and development. Formal student feedback is obtained online or manually semester-by-semester mandatory course evaluation using course survey form and the level of attainment of each Course Outcome is fixed at 60% across the University. The direct method (90%), is based on marks obtained is assessment and indirect method (10%) is based on the student survey.

Assessment of POs and PSOs:

1. The Course Outcomes are mapped to appropriate Programme outcomes and Programme specific outcomes through course and program articulation matrices, in a weighted manner.

2. The University Core (UC) and Programme Core (PC) courses are being taken for calculation of PO attainment and Programme Core (PC) courses for PSO attainment

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

8574

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

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 web link)

https://vit.ac.in/sites/default/files/SSS-Report-2021/index.html

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Vellore Institute of Technology, (VIT) accords high priority for the promotion of quality research. The institution has a well-defined policy for promoting research and the same is available in VIT website https://vit.ac.in/files/Research-Promotion-Policy/index.html

The institution has centralized facilities and research centres to cater to the research needs of faculty members and students. Recently, Autonomous Vehicle Research Lab, Human Organ Manufacturing and Engineering Laboratory, 3-D Printing Lab and Wearable Technologies Laboratory have been established to carry out research in frontier areas of Science and Technology. Institute subscribes important research journals such as Elsevier, Springer, IEEE, ASME, ASCE, Scopus indexing database, etc. In order to initiate new research labs in various ventures, the institution has initiated the construction of "Pearl Research Block".

To enhance the research output, the institution has launched various research promotion schemes, which include Institutional Ph.D fellowship of Rs.20,000/- p.m., Raman Research Award, Contingency grant, etc. Seed money grant to young faculty members to establish their research facility in VIT. Research Award" to faculty members, as financial incentive for (i) Quality Publications including journal publications, books and book chapters (ii) Patents (iii) Funded Projects and (iv) Contribution to the 'h' index of the institution. VIT also provides financial support for participation in National and International Conferences. The institution has been using "Turnitin" software for plagiarism check since 2009.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

340.19

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

15

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

138

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery	**A. Any 4 or more of the above**

File Description	Documents
Upload relevant supporting document	**View File**

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

12

File Description	Documents

Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

392.38

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

2037.14

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

69

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

The institution has a well-established 'Technology Business Incubation' center known as 'VIT-Technology Business Incubator (VIT-TBI)' and is operational since March 2003. It is a joint initiative with Department of Science and Technology, Govt. of India. The VIT-TBI has subsequently partnered with TIFAC, TDB, DSIR, MSME and BIRAC of the DBT on various innovation and entrepreneurship programs and through grant funding. VIT-TBI provides access to infrastructure, prototype development, research assistance, funding, business consulting etc., in a single window mode to early stage technology entrepreneurs.

VIT-TBI is a 'PRAYAS Center' under the NIDHI scheme of DST for nurturing knowledge-based and technology-driven ideas and innovations into successful start-ups. 'BioNEST' - A Bioincubation Center at VITTBI has been set up with the support from BIRAC for supporting innovative start-ups in life sciences and medical devices. The details of VIT-TBI are available on http://www.vittbi.com/.

Two University Core Courses, namely, (i) Introduction to Innovative projects and (ii) Lean Start-up Management have been introduced in the curriculum for establishing a conducive innovation ecosystem. These project based courses enable students to learn through hands on projects. All the schools of the University periodically organise various Hackathon, Codeathon and Designathon competitions for students, to enhance their design thinking capabilities.https://vit.ac.in/iprcell

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

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

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

109

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

45

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following • **Inclusion of research ethics in the research methodology course work** • **Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)** • **Plagiarism check** • **Research Advisory Committee**	**A. All of the above**

File Description	Documents
Upload relevant supporting document	**View File**

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website	**A. All of the above**

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

151

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

341

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

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

6656

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

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

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

1158

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS	**C. Any 3 of the above**

File Description	Documents
Upload the data template	**No File Uploaded**
Upload relevant supporting document	**View File**

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Vellore Institute of Technology has a transparent policy for consultancy and the same is displayed in the institutional website.

https://vit.ac.in/sites/default/files/VIT-Consultancy-Policy.pdf

To promote sponsored research activities, the institution has established a separate office for Sponsored Research and Industrial Consultancy (SpoRIC) to act as a nodal centre for obtaining and managing consultancy projects for the Institution.

The institution encourages faculty members to establish a strong connect with various industries. Select faculty members visit identified industries periodically and interact on a continuous basis. This continuous interaction enables faculty members to identify industrial problems for solving through consultancy mode or through student projects.

After interactions for about an year and after some salient outcomes in terms of collaboration, the relationship is formalised through Memorandum of Understandings. Sustained interactions have also resulted in setting up Industry Sponsored Laboratories.

The specific concessions given to faculty members to focus more on Industry Consultancy and Connect include.

Transparent revenue sharing mechanism

Sponsorship of travel and other expenditure during all official visits

Grant of on duty for all such visits

Consideration of contributions in extension activities in performance evaluation

Reduced academic workload for significant contributions.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

89.78

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

VIT strongly believes in the need for the holistic development of students and accordingly the institution takes consistent efforts in directing the students' energy towards addressing the real life issues of common man and societal problems at large.

In the Engineering Curriculum of VIT, all students undergo a two credit course on "Technical Answers to Real World Problems" in which students as project teams take up a problem of the neighborhood community and come out with innovative technical solutions to these problems. Some of the problems taken up and addressed include low cost effluent treatment system for tanneries, robotic block removal in underground sewage system, disaster assessment and mitigation using IoT, and low cost water purifier.

VIT has over 150 clubs and chapters, which are active student bodies providing platform for students to indulge in various co-curricular, extra-curricular and outreach activities. Of these, there are about 20 clubs that provide avenue for active direct interaction with society. The detailed account of objectives and activities of various student clubs is available in the website https://vit.ac.in/campus/Clubs/Social%20Outreach

File Description	Documents
Upload relevant supporting document	**View File**

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

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

6

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

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

332

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

35637

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

136

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

84

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**No File Uploaded**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Various departments of Vellore Institute of Technology are spread in the Main campus (VIT Vellore) and the VIT Chennai campus. VIT is spread over 563.65 acres of land. Of the total built-up area of 7,65,294 m2 an area of 2,20,158 m2 is used for academic activities (classes, labs, library, auditoriums, etc.) and 4,56,319 m2 for hostels. The remaining area is used for support facilities like play grounds, canteens, etc.

Class rooms:

Institute has 375 class rooms with ICT facility. The teaching and learning facilities are as per AICTE (for UG & PG programs), Council of Architecture (for UG programme) and The Bar Council of India (for UG programme).

Teaching & Research Laboratories:

VIT is well equipped with laboratory facilities for hands-on training of UG and PG students. This includes specialized laboratories with recent additions namely, Vehicle dynamics lab, Two & four wheeler chasing lab, Single crystal - XRD lab, Semiconductor physics lab etc.

Computing Equipment:

VIT has established robust IT infrastructure with 8803 computers exclusively for academics. High speed robust network connecting 56 building with campus-wide Wi-Fi Internet access provided to faculty and students. The comprehension IT infrastructure incudes high end servers with SAN, Private Cloud, VDI, IT security system.

File Description	Documents
Upload relevant supporting document	**View File**

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

To achieve a healthier lifestyle while coping with the highly demanding study environment, one needs to be healthy, both emotionally and physically. As a part of this process, VIT emphasizes the importance of sports and considers them as an integral part of the curriculum.

At VIT students are groomed to be complete personalities. In order to be mentally and physically fit, VIT provides state of the art facilities with magnificent air conditioned gymnasium, Snooker hall, play grounds, stadium, indoor courts as well as a number of centres for physical education & sporting activities that help students stay as fit as a fiddle and to develop a spirit of sportsmanship .A swimming pool of international dimension is also available in the campus.

  1. A/C Gymnasium: The Trendset Centralized A/C Gymnasium It was established in the year 2004 for Men & Women to fulfill the students need. At present 5 No's Centralized A/C Gymnasium with the area of 257.29 m2 is available.

Swimming Pool: Swimming Pool for Men & Women 2 No's It was established in the year 2005 to fulfill the students need with the area of Men 4337.66 m2 (50m x 25m) & Women 1100.41M2 (25m x12.5m).

File Description	Documents
Upload relevant supporting document	**View File**

4.1.3 - Availability of general campus facilities and overall ambience

Institute was providing every facility and good ambience for the holistic development of the student community. Notable facilities among them are mentioned below:

Sufficient number of hostel blocks for male and female students with catering and laundry facilities.

Well established Wi-Fi connectivity in the campuses for easy access to academic and research needs

Closed circuit TV cameras for ensuring students' safety 24x7 male and female security personnel at all vital points.

Health centre with in-patient facility and 5 ambulances provide the required 24x7 health care facility

Approach ramps and lifts for all buildings to facilitate differently abled students.

Transport facilities are provided both in and outside the campus. And battery operated vehicles for commuting inside the campus.

Railway under bridges (RUB) and Walkways for safe and easy movement of students inside the campuses.

Banks and ATM facilities

Electrical power backup which is provided by standby power generators

Other facilities incudes, guesthouse , VIT Community Radio with 90.5 MHz , post office, book store, digital photo studios, grocery shop, tailoring, opticals, RO water treatment plant with 1,140 KLD capacity

The institute has well established solid waste and liquid waste management systems with 90% of recycled water used for gardening, flushing etc.

File Description	Documents
Upload relevant supporting document	**View File**

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

25126

File Description	Documents
Upload the data template	**No File Uploaded**
Upload relevant supporting document	**View File**

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

- Periyar EVR Central library was partially automated with barcode technology for circulation using in-house software in 1998. In 2008, it was fully automated with the ILMS (LIBSYS 7.0) version with web-centric applications. In July 2019, migrated to ILMS (KOHA 19.05) version with RFID technology.
- Patrons can search the library collections with extended bibliographic details using Web-OPAC http://webopac.vit.ac.in/ facilities and online renewal facility.
- The MARC 21 (Machine Readable Catalogue) interface is available with AACR2 format for information searching purpose.
- The Library has adopted ICT applications integration with technological innovations to improve user experience. The self-check-in and check-out, with RFID Technology, biometric integration with SMS/e-mail alerts.

- Koha offers unlimited capacity in terms of branches, patrons, patron categories, and various reports on day-to-day activities.

Digitization Facility:

- Separate high speed document scanning unit BOOK EYE- 4 scanner is available.

- High speed scanning facility (A3 page scanning done with in three seconds) can use continuously with latest technology, auto scan, auto focus, auto cropping for fast digitization.
- Wi-Fi and IP connectivity enabled scanning facility with customizable user interface available.

The document scanner was integrated with VITLMS – VTOP portal for prepaid document scanning support services.

File Description	Documents
Upload relevant supporting document	**View File**

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

1379.49

File Description	Documents
Upload the data template	**No File Uploaded**

Upload relevant supporting document	**View File**

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

3546

File Description	Documents
Upload relevant supporting document	**View File**

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

406

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Centre for Technical Support (CTS) maintains the policies governing the use of VIT computing and IT communication resources. IT Policy applies to usage of all IT resources of the Institution.

Further, all the faculty, students, staff, departments, authorized visitors and others who may be granted permission to use the IT Infrastructure and must comply with the guidelines. Violations of IT policy laid down may result in disciplinary action.

VIT has proper budgeting process to arrive the IT budget needs of every school/department. Requirement gathering happens at the school/departments. Once the IT budget is finalized at the school/department level, the approved budget is consolidated at CTS and arrive the total IT Budget.

IT infrastructure has been widely spread across connecting 56 buildings with very high-speed robust network backbone. Understanding the demands of campus-wide Wi-Fi Internet access to faculty and students to use digital media for their research, teaching & learning process, highspeed internet bandwidth is made available through four major Internet service providers.

The comprehensive infrastructure includes high end servers with SAN, Private Cloud and VDI implemented for the students to work with engineering software anytime anywhere from any device. Comprehensive IT security systems are in place to secure the infra

File Description	Documents
Upload relevant supporting document	**View File**

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
38593	9194

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- ≥1 GBPS

File Description	Documents
Upload relevant supporting document	**View File**

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	**View File**
Upload the data template	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

11730

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	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.

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File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

16386

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

5649

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology	A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation 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	• All of the above

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.2 - Student Progression

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

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

347

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

4839

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

717

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.3 - Student Participation and Activities

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

76

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

The institute has an active Student Council with representatives from all the programmes. The Student Council is appointed every year through a rigorous selection process assessing students' academic performance, leadership qualities, non-scholastic participation, co-curricular and extra-curricular achievements. The Student Council has a unique structure that includes both final and pre-final year students. The final year students serve as Executive members and junior students as secretaries. The Student Council activities for institutional development and student welfare are summarized below:

  • Serve as members in University Academic Council.
  • Planning, scheduling and conducting the annual University Day function.
  • Actively participate and discuss the concerns of the student community during QCM's at schools.
  • Constitute the Library committee members.
  • Serve in the university sports committee.
  • Participate in Internal Quality Assurance Cell (IQAC) meetings.
  • Serve as Institute Innovation Council (IIC) members.
  • Liaison with hostel authorities and the canteen committee
  • Organize events of national importance, universal values and many GOI initiatives like Swachh Bharat Mission, Unnat Bharat, Poshan Maah etc., & participate in community projects
  • Active involvement in clubs and chapter activities.
  • Provide peer support to fellow students.
  • They help in organising events for Student Induction Programme.

Plan and participate in annual technical festival-GraVITas; sports and cultural festival-Riviera

File Description	Documents

Upload relevant supporting document	No File Uploaded

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

128

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

VIT has Alumni Association of VIT (VITAA) functioning from the institute campus. VITAA aim to maintain the link between the institution and alumni for mutual growth, achievement and advancement.

There are 19 alumni chapters across the country and 36 outside the country including Australia, UK, Muscat, Rwanda, Canada, Germany, Singapore and UAE. VITAA conducts various social activities such as blood donation and health check-up camps, tree planting etc.

The alumni help the final year students in their project work and guide in employment opportunities in their respective organizations. The University provides free access to the library and assists budding Alumni to incubate technology venture.

Our alumni members contribute scholarships to the needy students on VITAA Annual Day every year. Alumni who have made prominent contributions in the diverse fields are honoured with the 'Distinguished Alumni Award' and "Young Alumni Achiever Award".

"TRACKS" is an Annual Alumni newsletter that records events and developments in VIT and the activities of the Alumni Association, apart from reporting personal and professional achievements of the alumni.Our alumni members conduct knowledge sharing sessions to the present students. VITAA website (www.vitaa.org) is designed to increase leverage of Alumni network for the benefit of the alumni.

File Description	Documents
Upload relevant supporting document	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ≥ 5Lakhs

File Description	Documents
Upload relevant supporting document	**View File**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Academic and Administrative Governance

VIT is a deemed to be university governed by UGC regulations. The statutory bodies of the institute - Board of Management, Planning and Monitoring Board, Finance Committee and Academic Council are constituted as per UGC norms.

To become world class, an institute should be innovative and research oriented. To facilitate research ambience and innovative culture, separate offices of Academic Research and Sponsored Research & Industrial Consultancy were created. The Patent Cell of VIT facilitates patenting for faculty and students.

Happy people are the most productive. The institute offers several welfare schemes for faculty and staff. The proctoring scheme that operates under O/o Students' Welfare helps the students to resolve academic and personal problems.

Collaborative Research is essential for visibility and funding. VIT established the office of International Relations to collaborate with foreign Institutes for research, faculty and student exchange. In addition, Office of Ranking and Accreditation helps to enhance national and international visibility.

Without serving the society, no research is complete. VIT participates in various social welfare schemes targeting the local community.

https://vit.ac.in/about/vision-mission

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

VIT has adopted decentralization, participative management and empowerment in all academic, administrative, finance, research and outreach activities.

There are 17 Schools and 17 Research Centres headed by Deans and Directors, entrusted with the responsibility of maintaining high standards in academics and research. The periodic meetings organized at various levels ensure smooth communication among administrators, faculty, staff and students and effective implementation of the decisions.

In academics, the faculty members decide on all matters right from formulation of syllabus to question paper setting and evaluation. To improve the teaching-learning process, feedback is obtained from the students through quality circle meetings and end semester feedback.

VIT follows a decentralized approach in financial management. At the department level, the budgetary requirements are consolidated and submitted to the University level committee. The committee finalizes the draft budget for the Schools and forwards the institutional budget to the Finance Committee for approval. After approval by the Finance Committee, the approved budget is utilized through Purchase to Payment (P2P) portal.

https://vit.ac.in/about/leadership

https://vit.ac.in/about/administrative-offices

https://vit.ac.in/schools

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

Strategic plan has been formulated in tune with the vision of the institute to excel in teaching, research and innovation. One of the successfully implemented activities under global visibility is to improve in the national and international rankings

- Focus on Interdisciplinary research
- Research to focus on Product Development, IP Generation and Commercialization.
- Emphasis on publishing in peer reviewed journals with high impact factor
- Special scheme for inviting international Professors as Visiting / Adjunct Professor
- Initiatives to admit international students
- Establishing functional collaboration for Research / Faculty Exchange / Student Exchange with top 200 universities
- Enhancing interaction with various industries for student internships & projects, consultancy and industry sponsored laboratories
- Securing international projects and strengthening international collaboration and joint research

These initiatives have resulted in improvement in ranking by various agencies during the year 2020-21.

- Consistently ranked high in NIRF – In top 20 ranks in Engineering and University categories
- Ranked as 12th best Research Institution in India (2021)
- Ranked within 801 – 1000 in THE World Universities Ranking (2021)
- Ranked within 801-1000 in Shanghai World University Ranking (2021)
- Six Courses among top 500 in QS world University Rankings by Subject 2021
- Globally ranked within 201-300 in THE Impact Ranking 2021

https://vit.ac.in/files/Strategic_Plan/index.html

File Description	Documents
Upload relevant supporting document	No File Uploaded

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.

Statutory Bodies

All the statutory bodies of the institution are constituted as per UGC norms, and they meet periodically to formulate polices, critically review the progress made and offer suggestions for institutional development.

Administrative setup of the University

The day-to-day functioning of the institution is taken care of by the Officers of the University, namely, 1) Vice-Chancellor 2) Pro Vice-Chancellors 3) Registrar 4) Controller of Examinations 5) Chief Finance Officer 6) Dean Academics 7) Dean Academic Research 8) Director Sponsored Research and Industrial Consultancy 9) Director Student Welfare 10) Director Ranking & Accreditation 11) Deans of Schools 12) Directors of Research Centres 13) Functional Directors and 14) Heads of Departments.

The institution has 17 Schools and 17 Research Centres. Each school is further subdivided into departments. Schools are headed by Deans. Research centres are headed by Directors who are responsible for identifying cutting edge research areas and promoting research activities.

The institution has well-defined and transparent policies including service rules, recruitment procedures and promotion norms. The institution has grievance redressal bodies such as Internal Complaints Committee (ICC) and grievance redressal committees for students, faculty and staff members.

https://vit.ac.in/about/leadership

https://vit.ac.in/governance

https://vit.ac.in/about/administrative-offices

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination	**A. All of the above**

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

VIT follows a comprehensive Performance Appraisal System (PAS) to assess the performance of teaching and non-teaching staff on an annual basis. Teaching staff carry out the self-appraisal, which is followed by that of HoDs and Deans. Besides, students' feedback on the teaching-learning process is included as a part of the PAS.

Performance appraisal of non-teaching staff is carried out based on the nature of the job they perform. A well-defined, transparent, norms-based promotion scheme is followed for teaching and non-teaching staff.

Welfare Measures

The institute recognises the service and dedication of the teaching and non-teaching staff members and offers them various welfare measures such as

- Employment Provident Fund & Gratuity
- LIC Pension Scheme
- Mediclaim Insurance / Accident Policy for Employees and Dependents
- Round the clock on-campus health centre facilities
- Encashment of Earned Leave
- Maternity leave
- Residential accommodation in campus on subsidized rent, based on availability
- Teaching staff are provided sabbatical leave to pursue higher education/research, seed money for research, and financial support for attending conferences
- Teaching staff are encouraged to take up consultancy work
- Reward for publication of quality research papers / patents/ projects/ and books

Admission at VIT for children of employees.

File Description	Documents
Upload relevant supporting document	**View File**

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

113

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

78

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

6.3.4 - Total 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)

897

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

6.4 - Financial Management and Resource Mobilization

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

The financial planning and budgeting is an integral part of annual academic planning at the institute. The institute strives to mobilize resources through various avenues and utilizes the fund optimally for its activities in a systematic manner.

 1. Tuition fees from Indian students, as approved by the fee committee
 2. Attracting students from foreign countries and NRI / OCI students
 3. By getting 12 (B) status from UGC.
 4. Promoting consultancy services and encouraging faculty members to apply for extramural funding
 5. Commercialising the patents and other IPR generated by the Institute
 6. Facilitating incubation / start-ups through TBI
 7. By offering new programmes or interdisciplinary courses in emerging areas, which are in sync with the industry requirements
 8. By offering courses for industry personnel/working people
 9. By exploring the avenues for floating Joint Degree programmes with foreign universities.
10. Endowment funds to recognize meritorious students
11. By creating corpus from Alumni contributions.
12. By exploring funding from Corporate / International Foundations/ NGO's etc.

By attracting donations to the trust corpus by leveraging the tax exemption availed under 80G of the Income tax act.

File Description	Documents
Upload relevant supporting document	**View File**

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

860

File Description	Documents
Upload the data template	**View File**
Upload relevant supporting document	**View File**

6.4.3 - Funds / Grants received from non-government bodies, individuals,philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

6.4.4 - Institution conducts internal and external financial audits regularly

VIT follows the mercantile system of accounting and complies with the guidelines and Indian Accounting Standards (Ind AS) recommended by the Institute of Chartered Accountants of India. It has a well laid down internal control mechanism by internal auditors, audited independently every quarter, apart from an in depth annual statutory audit carried out by reputed external auditors. Periodical monitoring of expenditure, compared with the approved budget, is carried out.

Internal audit

Internal audit is generally conducted for 10 days and the report is submitted to the institute within a month. The audit objections raised during internal audit are rectified and recommendations for process improvement are implemented.

External audit

External audit is conducted every year. The audit starts (for the previous year) at the end of April and is completed in September. For the current year (for half-yearly period), the audit starts in December and ends in a month.

Mechanism for settling audit objections

During audit, the queries raised are addressed by the finance team and the rectification entries are made. Explanation to the queries is given within 15 days' time and the rectification entries are made within the next 10 days.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The IQAC institutionalized the process of reviewing the teaching-learning process through Student Quality Circle Meetings (QCMs), Students' end semester feedback, Outgoing students' survey and academic audit. Students' feedback is used as an important tool to close the loop for the teaching-learning process.

The student QCMs are conducted at least twice in a semester to get the feedback on teaching-learning process from the students to take steps for mid-course corrections. The suggestions received from the students are passed on to the concerned faculty and HoDs to review and take suitable action. The students' end semester feedback on teacher, course and lab infrastructure is collected through institutional LMS. The outgoing students also provide valuable feedback on their overall academic experience. The feedback collected are analysed and presented in the IQAC meetings. The meetings result in making recommendations for improvement in the learning experience of students.

Academic audit is regularly conducted by IQAC to review the academic process in the schools. The guidelines for audit are prepared as per NAAC/UGC quality framework and a brain storming session on the audit report is organized to review and recommend measures for quality enhancement.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	A. Any 5 or all of the above

File Description	Documents
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6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The institution undertook a major B.Tech curriculum revision exercise in 2021 and introduced provisions in NEP 2020.

Deployment of custom-developed comprehensive learning management system

Provision for students to enrol for credit transfer under SWAYAM-NPTEL

Online proctored examination to ensure quality of assessment process

Establishment of 7 interdisciplinary research centres at Chennai campus in addition to the existing 10 centres

Revised guidelines for research seed grant to benefit more faculty members

Raman Research Awards to encourage research scholars to publish in journals of repute

Post-Doctoral Fellowship to attract bright Ph.D. holders

Strengthening of of Patent Cell, Institute Innovation Cell and Product Development Center

Full financial support for patent filing

Introduction of multiple innovation challenges to students through competitions

Arranged Covid vaccination camp for the faculty members, staff members and their dependents as per the government guidelines

Industry mentored internship for the final year students

NASSCOM skill development & Industry certification programmes for the students

International internships and placements

Setting goals and target to improve the international subject ranking and world rankings

NAAC IV cycle accreditation with maximum grade, A++

AACSB accreditation for MBA programme

Counselling division with 13 professional counsellors to address students' problems.

File Description	Documents
Upload relevant supporting document	**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 part of the curriculum, courses on Gender, Culture & Technology, Ethics & Values, Right to Education - Women, Minority, Equality & Environment and Gender, Caste & Law address issues related to gender. As part of these courses, students learn the issues related to women empowerment, female feticide prevention, child abuse, responsible living and others.

Some of the specific measures initiated by the institution to ensure female students participation in all academic, co-curricular and extra-curricular activities are

- Special drive to admit female students in diverse programs of study
- 24x7 Availability of lady doctor in the campus hospital and lady nurse in every hostel block cluster
- Gender sensitization programs for all students, faculty and staff members
- Special sports promotion programs, exclusive swimming pool and gymnasium for female students
- Exclusive professional counsellors for female students
- Common room for female students in all academic blocks
- A mandatory workshop on Prevention of Sexual Harassment in workplaces was organized for all faculty members to create and maintain an environment free of sexual violence, harassment, exploitation and intimidation
- The entire campus is covered with 3,016 CCTV cameras to provide a sense of security to inhabitants particularly women

The institution employs 48-women security guards.

File Description	Documents
Upload relevant supporting document	**View File**
Annual gender sensitization action plan(s)	**http://naac.vit.ac.in/aqar2021/c7/711/Proofs/Action_Plan.pdf**
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	**http://naac.vit.ac.in/aqar2021/c7/711/Proofs/Specific_facilities_provided_for_women.pdf**

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Upload relevant supporting document	**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

Solid waste management and waste recycling system

Organic and green waste, recyclable waste and sanitary waste are collected in different coloured bins. Wastes collected from the canteens and food joints on campus are composted.

Liquid Waste Management

The wastewater generation from the project is about 3379 KLD, which is treated in the sewage treatment plants with a handing capacity of 3920 KLD. This is then recycled and used for flushing or watering the gardens in the campus.

Biomedical waste management

VIT adheres to and practices a sustainable and healthy waste management system that is aimed at making the campus green and eco-friendly. At VIT, biological wastes are safely disposed through 'Ken Bio links Pvt. Ltd'.

E-Waste Management

E-wastes, which are regularly collected from source points, are sent to e-waste storage area. The e-waste generation at campus is approximately 2-tonnes/year. M/s Veltech systems, Chennai, is the authorized vendor currently collecting e-wastes from us.

Hazardous chemicals and radioactive waste management

Silica gel is widely used in TLC column but it is non-toxic and chemically inert, and sent to the recycler. Strong acids and bases are neutralized and disposed to the water treatment plant. Institution doesn't explicitly use radioactive materials in its research.

File Description	Documents
Upload relevant supporting document	**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

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	**View File**

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

VIT has been successfully maintaining harmony and peace all through these years without any single episode of campus unrest. VIT remains committed to the culture of celebrating diversity leading to a higher level unity.

At VIT, festivals like Pongal, Diwali, Christmas, Eid, Navaratri, Durga Puja, Onam, Ganesh Chaturthi, Bihu, Baisakhi, Ugadi, Sargam, Lohri, Holi and Gudi Padwa are celebrated with gusto.

VIT has a plethora of Literary Associations for various Indian languages including Tamil, Telugu, Malayalam, Kannada, Hindi, Bengali and Marathi. These students participate in inter-university fests.

VIT every year organizes "Infusion"- a showcase of cultures around the world. This program by students of various nationalities, is a magnificent display of the diverse international culture.

Another annual event "AIKYA" is a parade that showcases the vast heritage of India and its various cultures. It is also a show of unity in diversity.

VIT offers STARS (Support The Advancement of Rural Students) Scheme to students from socioeconomically weak backgrounds to help such students to overcome obstacles in their educational progress and excel in their respective fields.

Apart from this, VIT hosts several agricultural expos in support of local farmers, and offers its sports facilities for tournaments among local schools.

File Description	Documents
Upload relevant supporting document	**View File**

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

Vellore Institute of Technology aspires to build the holistic development of its students and employees and accords due emphasis on the inculcating Constitutional and Social responsibilities. The institution organizes various events towards this objective.

A representative list of activities focused on inculcating the values and responsibilities as a responsible citizens are

- Model United Nation – VITMUN - every year in the months of August – September every year. The Model United Nations helps students to understand the various international issues including climate change, global hunger, water crisis and sustainable development
- "Democracy Wall" a free speech campus initiative in collaboration with The Print
- "Voter Enumeration and Awareness program" organized every year in collaboration with State Election Commission
- Annual Union Budget Discussion by eminent economists
- The vibrant student clubs like the VIT Fifth Pillar provide platform for students to discuss about "Every vice nagging society and the human condition".
- The debating club of the VIT - DEBSOC VIT hone the debating skills of students

Hindi, Bengali, Marathi, Telugu, Kannada, Malayalam and Tamil Literary Associations to create awareness about the richness of our languages and to appreciate the rich diversity of our culture.

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 Annual awareness programmes on Code of Conduct are organized	All of the above

File Description	Documents
Upload relevant supporting document	**View File**

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

VIT organizes national and international commemorative days, festivals and events.

National Festivals

Thai Pongal is a Tamil harvest festival usually celebrated from 14th to 16th January. Pahela Baishakh is the traditional New Year day of the Bengalis. Baisakhi or Vaishakhi, is a historical and religious festival in Sikhism and Hindus, and is usually celebrated on April 13 or 14 every year. The Rongali Bihu, Ugadi, Gudhi Padvais are the various festivals that marks the traditional New Year celebrated in VIT. Besides these, Onam, Odisha Day, Navaratri, Eid and Christmas day are being celebrated with fervor and joy.

Teachers' Day

VIT celebrates the birth anniversary of the former President of India and a renowned teacher Dr. S. Radhakrishnan as Teachers' Day.

International Day's Celebration

International Women's Day is celebrated on March 8 every year at VIT. International Day of Yoga is celebrated on the 21st of June every year. The International Day of Happiness is celebrated throughout the world on the 20th of March.

National Day Events

VIT organizes Republic Day and Independence Day celebrations. The institute also celebrates the National/International days, birth /death anniversaries of the prominent Indian personalities every year.

File Description	Documents
Upload relevant supporting document	**View File**

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Best Practice 1

1. Title of the Practice: Industry Integration into academia

2. Objectives of the Practice:

- **To fill the gaps between the needs of the industry and the curriculum offered.**
- **To deploy academic expertise for industrial problem solving.**

3. The Context

- **Basic research with an inclination towards industry has been happening in VIT during the past years. However, several basic issues in industry are not adequately addressed. To offset that lacuna, a strong industry interaction is imperative.**

4. The Practice

- **The 8th-Module - Industry Guest Lecture has led to strong interactions between the institute and industry.**
- **Technical Answers for Real word Problems (TARP) course, the students are able to apply their subject knowledge into real-world problems of the industry.**
- **The project-based internships which brings new perspectives, and is up-to-date with the industry trends.**

5. Evidence of Success:

Industry participation makes students learn from new perspectives and helps create rapport with industry persons. It provides greater clarity and has an impact on their placement interviews. Such tie-ups acknowledge and capitalize on the relative strengths of the academia and the industry.

6. Problems Encountered and Resources Required:

- **In spite of some temporary barriers, VIT has been offering its best with consistent efforts to optimize the industry-institute integration through a number of strategies enabling various initiatives**

Best Practice 2

1. Title of the Practice: SOCIETAL ENGAGEMENT TOWARDS SUSTAINABLE DEVELOPMENT

2. Objectives of the Practice:

- **To afford equal opportunity to the economically backward rural students to access higher education, through free education, boarding and lodging.**
- **To make Vellore city greener.**

3. The Context:

Vellore has been an under-developed district in terms of education, economy and industrial growth. Therefore, VIT consciously decided to implement various measures to uplift the quality of life of rural mass in and around Vellore.

4. The Practice

VIT has implemented a large number of programmes through its Centre for Sustainable Rural Development and Research Studies (CSRD&RS) and student clubs and chapters. Some of the major programmes are

1. Support the Advancement of Rural Students (STARS)
2. "Green Vellore" Project
3. Palar River - Clean Project
4. Skill Development Programme

5. Evidence of Success:

(i) 659 students have benefitted through the STARS programme

(ii) "Green Vellore" -substantial increase in the number of trees throughout the district.

(iii) 35 training programmes in 21 different trades. This has benefited 972 youth of which 312 have become entrepreneurs.

6. Problems Encountered and Resources Required:

As such, VIT did not experience any difficulty in terms of resources or cooperation from the public.

7.3 - Institutional Distinctiveness

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

"INCULCATION OF RESEARCH CULTURE AT GRASS-ROOTS LEVEL"

VIT, in addition to the research activities pursued at Master's and PhD levels, has incorporated research components at undergraduate levels. VIT has also a unique system of conducting research seminar (exclusively a student – centered programme) in every semester (referred to as SET Conference; Science, Engineering & Technology Conference). Another unique feature of the system is the inclusion of a module in the curriculum referred to as the "8th module" which ensures industry interaction. Every year, VIT earmarks a substantial amount for funding this endeavor – each such project is offered to the tune of Rs 1 lakh for product development. VIT's strategy of inculcation of research at UG levels is reflected at masters and PhD levels as well.

- Promotion of research at UG levels has also been reflected in the qualitative and quantitative increase in publications. The outcome of students' involvement in research is also reflected in filing of patents; The funded projects of the faculty members also cater to the research interests of the UG students leading to publications in journals of international repute. And these achievements have been the contributory factors for the institute to be granted IoE status.

7.3.2 - Plan of action for the next academic year

- Conducting awareness programson implementation ofNEP 2020

- Training on digital skills and use of technology for "Blended Learning"

- Symposium on Implementation of SDGs in HEIs

- Academic and Administrative Audit

- Environmental / Energy Audit

- To sensitize the schools to get quality (NABL) certification for all testing labs

- Implementation of Outcome based Teaching-Learning

- Preparation for ISO certification of VIT IQAC

- Quality Week