YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	**VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY**
• Name of the Head of the institution	**Prof. S. Salivahanan**
• Designation	**Vice Chancellor**
• Does the institution function from its own campus?	**Yes**
• Phone no./Alternate phone no.	**04426841348**
• Mobile no	**8754416291**
• Registered e-mail	**diaq@veltech.edu.in**
• Alternate e-mail address	**vicechancellor@veltech.edu.in**
• City/Town	**Chennai**
• State/UT	**Tamil Nadu**
• Pin Code	**600062**
2.Institutional status	
• University	**Deemed**
• Type of Institution	**Co-education**
• Location	**Rural**

• Name of the IQAC Co-ordinator/Director	Dr. M. Rajeev Kumar
• Phone no./Alternate phone no	04426840585
• Mobile	9940226524
• IQAC e-mail address	diaq@veltech.edu.in
• Alternate Email address	headqa@veltech.edu.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.veltech.edu.in/wp-content/uploads/2023/05/AQAR-2019_20_Accepted.pdf
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.veltech.edu.in/wp-content/uploads/2023/05/AC%202022_23%20Book_merged_compressed.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A++	3.53	2023	07/02/2023	06/02/2028
Cycle 1	A	3.17	2015	16/11/2015	16/11/2020

6.Date of Establishment of IQAC	09/09/2013

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
Institution	Seed Support System	Department of Science and Technology	2015 1825	20000000
Institution	NIDHI Centre of Excellence	Department of Science and Technology	2017 1825	230000000
Institution	Nidhi Prayas	Department of Science and	2018 1825	70000000

		Technology		
Institution	MeitY Tide 2.0 (G3C)	Ministry of Electronics and Information Technology (MeitY)	2019 1825	17000000
Institution	Startup India Seed Fund Scheme	Department for Promotion of Industry and Internal Trade	2021 1825	50000000
Institution	Startup India Seed Fund Scheme	Department for Promotion of Industry and Internal Trade	2023 1825	50000000
Institution	Indo - Taiwan GITA	Department of Science and Technology	2023 1095	4095528
Institution	Centre of Excellence on IoT and Smart factory	CSR - ZF Commercial Vehicle Control System Private Limited	2023 1825	2315000
Institution	DSIR - SIRO	Department of Scientific Industrial research	2024 1095	0

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	
• (Please upload, minutes of meetings 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	
• If yes, mention the amount		

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

The institution has been accredited with the highest grade 'A++' by the National Assessment and Accreditation Council (NAAC) with a score of 3.53 out of 4.00. The National Board of Accreditation has accredited the Five B.Tech. Engineering (Aeronautical, Civil, ECE, CSE and Mechanical) Programmes till 30th June 2025 and One B.Tech. Engineering (EEE) Programme till 30th June 2026.

Ranked 87th under 'Engineering' category, Band '101-150' under 'University' & 'Overall' categories in NIRF India Rankings 2023 Ranked in the Band '11-50' in 'Innovation' category in NIRF India Rankings 2023

According to Times Higher Education (THE) World University Rankings 2023 the institution has been ranked in the Band 1201 to 1500. According to Times Higher Education (THE) Impact Rankings 2023 the institution has been ranked in the Band 301 to 400 in SDG 6: Clean water and sanitation, Band 301 – 400 in SDG 9: Industry, Innovation and Infrastructure, Band 601 – 800 in SDG 10: Reduced Inequalities, Band 1001+ in SDG 17: Partnership for the goals & Band 1001+ in the world in Overall category.

Submitted the institutional data for the Academic Year 2021-22 in the All India Survey on Higher Education (AISHE) portal.

Organized Quality Enhancement Programs on 1. National Education Policy (NEP) 2020 for Higher Education 2. Webinar on Preparedness

for NAAC Peer Team Visit (PTV) 3. Outcome Based Education: Importance of Outcomes, Assessment and Evaluation for Accreditation

The targets for the quality parameters for various schools/departments for the Academic Year 2022-23 were reviewed and suggested the measures for improvement

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 Start new programmes in the institute	The programmes were introduced by viewing the current industry focus. The programmes introduced are 1. Computer Science and Engineering (Artificial Intelligence and Machine Learning) 2. Computer Science and Engineering (Cyber Security) 3. Computer Science and Engineering (Data Science)
To increase the number of scopus indexed research publications per faculty	The number of research publication indexed in scopus increased from 725 in the year 2021 to 1192 in the year 2022
To increase quality research publications by providing incentive to faculty	As per the incentive policy of the instituion, incentive was provided to the faculty published over and above the compliance for the quality publications.
To receive accreditation for more number of undergraduate programs	Three undergraduate engineering programs namely, Aeronautical Engineering, Electrical and Electronics Engineering, Mechanical Engineering were accredited by National Board of Accreditation under Washington Accord Tier-I category.
To retain the top 100 position in NIRF Engineering category and acquire better position in Overall and University categories.	Retained the Top 100 position in NIRF Engineering category and elevated to Band 101-150 from Band 151-200 in Overall category. Ranked in Band 11-50 under Innovation category.

13.Whether the AQAR was placed before statutory body?	**Yes**

- Name of the statutory body

Name	Date of meeting(s)
Board of Management	28/10/2023

14.Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	Yes

15.Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	15/02/2023

16.Multidisciplinary / interdisciplinary

Vel Tech has a conducive and committed educational work-environment for teaching, learning, innovation and research. The new regulation VTR-UGE2021 in line with NEP2020 provides an opportunity for the students to enrich their knowledge in multidisciplinary/interdisciplinary areas. VTR-UGE2021 offers • Minor Degree for all B.Tech. Programmes: The objective is to provide additional learning opportunities for advanced learners across the breadth of engineering and to provide interdisciplinary knowledge. • Open Electives: The courses under this category cover interdisciplinary/trans-disciplinary knowledge. Students shall register for appropriate electives offered in other schools. The foundation courses in the first year of study integrates the humanities and arts with STEM which leads to the increase in critical thinking abilities, higher-order thinking and deeper learning, etc. The Conceive-Design-Implement-Operate (CDIO) practice in the first-year curricula is a cutting-edge educational framework designed to develop the next generation of engineering leaders. The B.Tech programmes provide specialization courses to meet the latest innovative development towards multidisciplinary perspectives. VTR-UGE2021 offers a Community Service Project under independent learning. Students will work on projects in the areas of community participation and service, environmental education, and other related fields. It assists students to develop value-based solutions to real-world social challenges. A student can transfer credits from one school to another and from one institution to another through credit transfer. This allows a student to transfer from another university to this institute in the middle of their studies with the option of transferring credits earned at the university from where they are migrating. The student applies for transfer from one branch of the school to another branch in a different school, the Migration Committee determines the courses that the student must complete to

qualify for a degree from the transferee department, subject to the condition that the student meets the requirements of the transferee department. VTR-UGE2021 encourages project-based learning comprising community service projects and capstone projects addressing holistic societal based issues. It inculcates soft, communication and managerial skills in addition to Science and Engineering. Students are encouraged to undergo projects in the multidisciplinary mode by formulating teams for participating in various contests. Students are motivated with awards and incentives to recognize substantial research contributions. Students' publications in Scopus indexed/SCI journals/filed IPR, are exempted two credits in any course categories. They are given special attention towards innovation and entrepreneurship training related activities to meet the standards specified by NEP. Students with innovation-driven prototype/business models are used to find solutions to society related challenges. They are supported by the Vel Tech Technology Business Incubator (TBI) in order to engage them in more multidisciplinary research endeavours and come-up with a start-up. Both activities will be awarded credit from the respective department and BoS based on the recommendation under independent learning. Through the initiation of new multidisciplinary centres, the faculty members get autonomy to choose curriculum, methodology, pedagogy and evaluation models within the given policy framework. CBCS offers flexibility towards students' multidisciplinary learning. International internships, industrial collaborative projects and students' start-ups also enrich the students' skills in a wider space.

17.Academic bank of credits (ABC):

a) Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology has already taken all the necessary initiatives to fulfill the requirements for adopting the Academic Bank of Credits (ABC) as proposed by the National Educational Policy 2020. A well-structured curriculum supporting Choice Based Credit System is in force since 2015 and the associated academic regulations support credit transfer facilities among the partnering institutions. Our existing pedagogy is based on flexible learning wherein the student can choose courses at his/her own pace by registering for a minimum of 18 credits to a maximum of 28 credits every semester. Similarly, credits for courses completed through NPTEL, Coursera etc., can also be absorbed and accumulated towards the qualifying credits for the award of degree. b) The institution is already registered under the ABC and is presently in the process of uploading the curriculum and credit details for all the students. This enables student mobility and academic flexibility to pursue courses at his/ her own learning path and seamless acceptance of learning achievements across all the

institutions. c) The institution possesses a dedicated Office of International Relations headed by a Dean to look after the international collaborations with leading Universities and presently we have MoUs with Yunnan University of Finance & Economics in China, Tamkang University, National Ilan University, National Tsing Hua University and Ming Chi University of Technology in Taiwan, University of Michigan – Dearborn, University of Detroit Mercy and University of Wisconsin-La Crosse in the USA for offering credit transfers. d) The institution has a unique approach of encouraging the faculty members to design and develop new courses based on their research specializations. This has paved the way for creating courses on recent trends, through which the students are able to get detailed insights on cutting edge technologies. e) ABC being an online centralized system paves way for credit accumulation and redemption along with credit audit trail management for the benefit of students. Our existing regulations involving Choice Based Credit System supports multiple entry and multiple exits as well as anytime anywhere learning by virtue of introducing courses under the independent learning category. So the implementation of ABC in our institution will be hassle-free and seamless.

18.Skill development:

The institution makes consistent efforts to strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework. The institution has established many Centres of Excellence (CoE) supported by Government of India namely, Manufacturing CoE, Printed Circuit Board Design and Fabrication CoE, E waste and Plastic waste recycling Centre, Additive Manufacturing Facility, Dassault Systems Supported Centre for Design and Manufacturing facility, NVIDIA DGX – 1 Server for AI and Machine Learning. These centres offer various consultancy services and skill training to in-house and external users. The list of programmes offered to train the students on Skill Developments is mentioned below: • CNC Programming & Operational techniques (150 students were trained) • Specialized Course on Welding Techniques (30 students were trained) • Specialized course on PCB Design and Assembly (200 students were trained) • Skill Development Courses on various 3D Printing Techniques (500 students were trained) • Value Added Courses on Design tools (500 students were trained) • Foundation/ Intermediate/ Advanced level courses on Artificial Intelligence and Machine Learning (50 students were trained) So far, the institution has trained more than 1500 students on the above Skill Development courses. The institution has also offered skill development courses under Industry Supported Labs such as WABCO Centre of Excellence on Vehicle Control Systems such as Braking

Systems, Antilock Braking systems and ECAS. In line with the NEP 2020, the institution has established dedicated Industry Institution Cell to bring the industry experts and research scientists to offer advanced level courses (one or two credits) to students in the category of "Industry and higher learning courses" which is allocated in the regulations to enable the students to get the industry exposure. Two faculty members were sent to Aurangabad to get three-month extensive training on CNC operations and Advanced Welding techniques under the ToT CNC Programming & Operations and advanced welding techniques under Sankalp at Marathwada Auto Cluster, Aurangabad, Maharashtra. Regulations are in place to ensure all the students must mandatorily get two credits under the industry and higher learning courses and this enables active participation of students in Skill Development courses. The institution regularly sends the students to industry for short training and major projects to get them exposed into industry practice. To train soft skills required by industry, the institute has active placement and training cell, which offers various soft skill courses such as resume building, communication, HR interview practice etc.

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

NEP 2020 was implemented with a view to bring changes in the existing educational practices which are confined to certain limitations. The new policy introduced by our Honorable Prime Minister, Narendra Modi is made to cater to the needs of students from different echelons of the society. The previous education system had Linguistic and Cultural barriers. To overcome such hurdles, NEP 2020 offers scope to the students to study anywhere in India with confidence. This policy also helps to learn all ancient Indian languages. The students will be able to learn the different cultures of India when they have bilingual or multilingual usage in their learning places. In this connection Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology proposes the following: 1. To integrate Indian Knowledge system and preserve Indian Language, Culture and Tradition, the institution gives utmost importance to celebrating traditional Indian festivals namely Holi, Krishna Jayanti, Navaratri, Ugadi, Pongal, Mahaveer Jayanti, Saraswathi & Ayudha Pooja, Onam, Christmas, Ramzan and Miladi Nabi. 2. To comply with the main points in NEP 2020 pertaining to the usage of vernacular language in classroom delivery, our Institution aims at conducting Orientation cum FDP on basic conversational Telugu to its non-Telugu faculty in the near future. 3. The Institution toils to preserve and promote ancient Indian classical languages and cultural practices. At present, the institution offers

two courses that aim at inculcating classical Tamil in young minds, namely Thirukkural and Aathichudi. To provide basic knowledge of the Indian classical language, Tamil, an elective course titled 'Basic Tamil' is being offered. Further, the institution plans to introduce programmes such as M.A.-Telugu, M.A.-Sanskrit, M.A.-Tamil, M.A.-Folklore Studies and M.A.-Martial Arts with a view to creating an awareness of the Ancient Indian traditional values. 4. Students are encouraged to learn and practice ancient Indian Parai Isai, a music which has been played in our country since Sangam age. Programmes to save and promote traditional arts like Indian shadow puppetry and Kattaikoothu will be given more importance and online lectures regarding the same will be arranged. Experts of the ancient Arts will be invited to give lectures on the importance of the traditional arts which have almost become extinct. 5. Online classes will be arranged in the future to learn how to read classical stone inscriptions, palm inscriptions and other manuscripts and steps will be taken to have a nexus with other governmental institutions which teach Archeology. Research will be made to promote the ancient values of Tamil classical language in the near future. 6. Indian Epics like Ramayana and Mahabaratha are taken for research by the research scholars of the English department. In future, the ancient Indian classical works will be promoted by the scholars of the English department to speak about the importance of the Indian Epics. Experts will be invited to deliver a talk to bring awareness to our immortal Indian Epics.

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

a) Institution started to implement Outcome Based Education (OBE) in Teaching-Learning process from the Academic Year 2013-14. As per OBE, the curriculum has been refined by considering the knowledge, skills and attitude of the graduates after graduation. To inculcate the OBE practices, various training programmes are conducted for the faculty. In addition the National Board of Accreditation has accredited six engineering programmes under Tier-I. The Institution is well expertise in implementing the process of OBE as per the National Educational Policy (NEP). In this regard, the programmes in the institution are defined with Mission, Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs). All efforts are taken by the institution to disseminate OBE parameters, PEOs, POs, PSOs to all the stakeholders. Frequent feedback is collected from the stakeholders at regular intervals of time to meet the POs and PSOs in the programme. As per LOCF (Learning Outcomes-based Curriculum Framework), the curriculum is designed based on the graduate attributes for the attainment of PEOs, POs and PSOs for measuring learning outcomes of the student.

Course Outcomes (COs) are well framed for every course in the curriculum and correlated with the set of POs and PSOs. For ensuring the learning levels with COs, POs and PSOs, the COs are assessed as per Bloom's Taxonomy level and then, POs and PSOs are evaluated. Based on the attainment of POs and PSOs, there will be a continuous improvement in the courses of the curriculum in the programme. This ensures regular monitoring and evaluating the extent to which learning outcomes are being attained. The learning outcomes are analysed to make in line with the UGC learning outcomes. b) The institution revamped the process of teaching-learning from a teacher centric approach to a learning centric approach to improve its effectiveness in teaching learning practices. Pedagogical tools are defined for each course as per the COs. Appropriate tools are identified for assessing each CO. The rubrics are framed for each activity to measure the learning level of the students. Based on the assessment, the remedial measures are taken to improve the learning abilities of each student. c) Good practices of the institution pertaining to the OBE in view of NEP: • Choice Based Credit System creates flexibility to choose their learning trajectories based on their talents and interests. • Students are exposed to multidisciplinary areas through the courses offered by other schools in the institution. • The curriculum has flexibility for student mobility, allowing them to accumulate the credits in order to continue their education. • Students' holistic development in academic and nonacademic sphere through student centric approach, clubs and extra-curricular activities. • Value Education for attaining a high degree of professional competence and ethical values. • Involving the students in internship programmes and other skill-based activities to make them industry ready/ societal contributions. • Extensive use of technologies in teaching learning for effective content delivery pertaining to the OBE. • Emphasis on continuous professional development of the faculty

21.Distance education/online education:

a) The University provides flexible courses to enhance the curriculum with world-class content and hands-on experiences. In the recently followed academic regulations i.e., in academic regulations, 2015 and 2021 provisions have been made in the curriculum framework to include Skill based Vocational Courses. This has been mentioned in the academic regulation under section 7.2.10.4 which states that "The student accomplishment in a skill based vocational course in level 5 and above courses framed under National Skill Qualification Framework (NSQF), by National Skill Development Agency (NSDA), may be given three credits and grade points by BoS in the appropriate course category mentioned in Section 7.2 of the

regulation. As a result, students are encouraged to do such skill based vocational courses from the list of NSQF aligned courses. In addition, to improve students career readiness and to prepare them for job-based learning, the institution has tie-up with online course providers like Coursera and NPTEL. Moreover, the institution also motivates and trains faculty to develop and offer the institution's skill based vocational training courses in all major fields of engineering through ODL mode for the benefit of students. There are plans to provide opportunities for public particularly for disadvantaged and underprivileged students too. For this, the institution is constantly improving its IT infrastructure and e-learning facilities to transfer teaching and learning from traditional classroom knowledge transfer to an open online environment. b) The institution allows access to Wikipedia and other online education resources. Faculty members and students can have access to a wide range of educational materials from video lectures to virtual laboratories. Internet and Wi-Fi connectivity, LED projectors, LED TV, camera, podium stands, audio and video systems with the latest technology are some of the other facilities. All the departments are equipped with modern teaching aids like LEDs, smart boards, advanced software and laboratories with the most modern technologies. The institution facilitates blended learning using e-learning resources. Considerable investment in Information and Learning Technology (ILT) equipment and software, coupled with an extensive training programme for faculty, have led to the increasingly effective and creative use of e-learning in the course delivery. The initiatives include: a. Institution's learning management system called 'V-Learn' b. Massive Open Online Courses (MOOCs) c. Video conference facility d. Wi-Fi enabled campus/hostels e. NPTEL, Coursera open courseware f. Language-communication lab g. Virtual laboratories In addition, the institution facilitates several virtual seminars and video lectures delivered by international experts in emerging areas for knowledge enrichment. c) The institution has developed a best teaching-learning online platform called 'V-Learn' to deliver and track the teaching and learning of the students. This has been in use since 2015 to plan, implement, facilitate, assess, and monitor student learning. It has been used to support traditional face-to-face instruction, as well as blended and distance learning. This platform enables the faculty members to effectively and efficiently develop courses, deliver instruction, facilitate communication, foster collaboration between students, assess student success, and provide other learning resources for support. This facilitates students, to access the course materials anytime and anywhere which are consolidated in one location thereby it saves their time.

Extended Profile

1.Programme

1.1   **39**

Number of programmes offered during the year:

File Description	Documents
Data Template	View File

1.2   **23**

Number of departments offering academic programmes

2.Student

2.1   **11119**

Number of students during the year

File Description	Documents
Data Template	View File

2.2   **2837**

Number of outgoing / final year students during the year:

File Description	Documents
Data Template	View File

2.3   **10853**

Number of students appeared in the University examination during the year

File Description	Documents
Data Template	View File

2.4   **131**

Number of revaluation applications during the year

3.Academic

3.1   **1389**

Number of courses in all Programmes during the year

File Description	Documents
Data Template	View File

3.2 **753**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.3 **753**

Number of sanctioned posts during the year

File Description	Documents
Data Template	View File

4.Institution

4.1 **120856**

Number of eligible applications received for admissions to all the Programmes during the year

File Description	Documents
Data Template	View File

4.2 **1708**

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

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**39**

File Description	Documents
Data Template	View File

1.2 Number of departments offering academic programmes	**23**

2.Student

2.1 Number of students during the year	**11119**

File Description	Documents
Data Template	View File

2.2 Number of outgoing / final year students during the year:	**2837**

File Description	Documents
Data Template	View File

2.3 Number of students appeared in the University examination during the year	**10853**

File Description	Documents
Data Template	View File

2.4 Number of revaluation applications during the year	**131**

3.Academic

3.1	**1389**

Number of courses in all Programmes during the year

File Description	Documents
Data Template	View File

3.2

Number of full time teachers during the year

753

File Description	Documents
Data Template	View File

3.3

Number of sanctioned posts during the year

753

File Description	Documents
Data Template	View File

4.Institution

4.1

Number of eligible applications received for admissions to all the Programmes during the year

120856

File Description	Documents
Data Template	View File

4.2

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

1708

File Description	Documents
Data Template	View File

4.3

Total number of classrooms and seminar halls

280

4.4

Total number of computers in the campus for academic purpose

2524

4.5 Total expenditure excluding salary during the year (INR in lakhs)	8029.33

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

Vel Tech is following Outcome Based Education (OBE) from 2012 onwards. The CBCS isintroduced in 2015-16. The minor degree and other salient features of NEP is introducedfrom 2021-22 onwards. The institute educational philosophy aligned towards learning by doing concept and practicing Conceive, Design, Implement & Operate (CDIO) as one of the pedagogical initiate from 2017-18. All these educational and pedagogical reforms are benchmarked with top institutes globally as well as understanding the policies andframeworks of AICTE, UGE, NEP and NBA guidelines.

Departments referring government policies, subsidiary plans, influencing reports andcollecting feedbacks from various stakeholders. Stakeholder's views, government policies,trends and insights are analysed and discussed periodically in different meetings (Departmentmeetings, BOS, ACM and BOM). This entire framework helps the departments to identifyand integrate these requirements into course outcomes and align them with POs & PSOs withharmony of institutes vision and mission. Departments following well established process of reviewing the attainment of POs & PSOs to identify the gaps in curricula as well as teachinglearning process. Industry and International relations keeps the community vibrant byarranging expert courses, and mobility of people among other institutions.

File Description	Documents
Upload relevant supporting document	View File

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

14

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	**No File Uploaded**

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

1389

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

357

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

39

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	**No File Uploaded**

1.3 - Curriculum Enrichment

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

Vel Tech believes in an inclusive development process and ensures the relevant cross-cutting issues are included as part of the academic curriculum. The Choice Based Credit System framework consists of foundation courses that gives flexibility to students to do coursesacross disciplines and provide inclusive educational experiences. Foundation courses consist of engineers and society, universal human values, the constitution of India, environmental studies, design thinking, introduction to engineering, innovation and entrepreneurship as part of the coursework. The framework enables departments to integrate courses relevant to the crosscutting issues which are embedded processes of building an inclusive society for all. Departments are offering topics related to professional practices and standards relevant to the domain. These practices enable students to understand the correlation between technology, arts and science along with the impact of the solutions on the emerging society at large as well as making them to become successful human beings embedded with technology and science. Departments from Arts and Science stream and law address these topics in-depth through curriculum and activities. Vel Tech took special care on Gender-related topics via SPARSH committee. This committee will conduct events and sensitization programs on Gender equality and awareness programs on the Induction cum acquaintance program.

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

29

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

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

4824

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

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

2631

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

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

3450

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

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

1901

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

Identification of Slow Learners and Fast Learners:

Student identification starts after the declaration of the previous semester-end examination (SE) result and the performance in the current semester Continuous Evaluation Test (CE) 1. The following parameters and weightages are considered to identify the students

1. Performance in the current semester

Continuous Evaluation Test – 1: 50 %

2. Previous Semester End Examination Performance: 40 %

3. Observations by the Course Faculty: 10 %

A student who has secured 60% and above of total weightage will be considered an Advanced Learner, and a student who has secured less than 50% weightage will be identified as a slow learner.

Slow Learners Follow-up: Remedial classes are conducted after class hours with a minimum number of students. From time to time, slow learners are monitored based on their performances in

successive CIA. Along with remedial classes, the allotted mentor also counsels the student by suggesting the various learning resources relevant to the topic.

Fast Learners Follow-up:

Fast Learners are encouraged to participate in Project Competitions like the AICTE Vishwakarma Awards, Smart India Hackathon, and National and International coding competitions like ACM-ICPC. Students who aspire to higher studies are encouraged to prepare for GATE, GRE, etc.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link For Additional Information	https://www.veltech.edu.in/AQAR/2022-23/C2/2.2.1/

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
11119	753

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3 - Teaching- Learning Process

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

The Institute has transformed its approach to teaching and learning, transitioning from traditional methods to a student-centric approach starting from the academic year 2012-2013.

The students across all programs actively engage in experiential learning as part of Vel Tech's mission. In all Programmes, participative learning takes center stage in our teaching approach. Students are engaged through collaborative activities, group discussions, active learning techniques such as case studies, jig-saw activities, think-pair-share exercises, role-

playing, brainstorming sessions, peer-to-peer learning and problem-solving tasks, which led to improved critical thinking skills, problem-solving abilities, and overall student growth.

Students also actively engage in diverse activities, including seminars, peer training, event coordination to develop teamwork and managerial skills, film-making projects, field trips, and communicative services fostering collaborative skills and participation in events. Students are exposed to courses that prioritize learning through the practical experience of tackling open-ended problems. These courses emphasize critical thinking and problem-solving skills, strongly focusing on applying mathematical concepts to solve complex and real-world problems. Students actively solve real-world problems and meaningful projects through Project-Based Learning (PBL).

File Description	Documents
Upload relevant supporting document	[View File](#)

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

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology encourages extensive use of ICT-enabled tools such as PowerPoint Presentations, Video Clippings, e-learning resources such as NPTEL videos, MIT open courseware and e-learning tools available in the Internet, creating and using Web & android mobile applications, simulation tools for effective teaching and learning process. All departments' classrooms and Seminar Halls are equipped with LCD projectors and screens. Interactive smart boards with sufficient internet bandwidth are also available in the required learning spaces. Digital writing pads are also used for effective classroom delivery. RF Clickers, an Interactive responsive tool device, is used to conduct the quiz activities as part of participative learning under student learning assessments (SLAs). Microsoft Team Classroom facility is used to deliver online lectures, sharing of e-content and other important interactive features for e-learning. V-Learn is a Learning Management System (LMS); this platform serves as a bridge between faculty and students to share the lecture, course materials, homework assignment tasks and relevant course material, including video lectures created by the faculty. Faculty members use NPTEL virtual labs to deliver the lectures.

File Description	Documents
Upload relevant supporting document	View File

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

2.3.3.1 - Number of mentors

532

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

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

753

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

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

408

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

3251

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

94

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

15

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

15

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

131

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

A fully computerized Examination Management System (EMS) is available in the institution. Various processes like generation of seat numbers, hall ticket printing, students' performance tracking, results declaration, etc., are done through state-of-the-art computer software systems. The end-semester examination

schedule is published in the academic calendar and is followed strictly. The results are published within 15 days for the UG examinations and 21 days for the PG examinations. The services of external examiners from reputed institutions are utilized for question paper setting, evaluation in addition to the internal teaching faculty. To increase the transparency in the evaluation process, a photocopy of the answer booklet is also given to the students and the option to re-evaluate / challenge evaluation is also provided. The institution is also a member of the National Academic Depository.The answer booklets/grade cards have inbuilt security features including watermarks, MICR coding, Microline printing, guilloche pattern, photochromatic ink, etc.The institution is also a member of the National Academic Depository.

File Description	Documents
Upload relevant supporting document	[View File](#)

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	[View File](#)

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

The institution follows a systematic process for Outcome Based Education (OBE) by defining and implementing Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Program Outcomes and two or three Program Specific Outcomes are defined for all the programs. The courses offered in the curriculum and other ecosystems are expected to address all the POs and PSOs of the concern program. Course Outcomes (COs) are defined as per Bloom's Taxonomy. These COs are ultimately helpful for the attainment of the POs and PSOs. The COs are expressed as

complete declarative sentences that clearly describe the knowledge, skills, and competencies that students are expected to acquire as a result of completing the course. The institution has established the mechanism of mapping COs with POs and PSOs.

The POs and PSOs are published and disseminated via various media to the stakeholders.

Publication of POs and PSOs:

Program Outcomes and Program Specific Outcomes are displayed at

1. Department websites of https://www.veltech.edu.in/
2. Curriculum books
3. Department Notice Board
4. Department Laboratories
5. Department Corridors

Dissemination of POs and PSOs:

POs and PSOs are disseminated to the following stakeholders:

1. Parents
2. Students
3. Faculty
4. Employers
5. Alumni

File Description	Documents
Upload relevant supporting document	[View File]()

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

The quality activities comprise assessments and evaluations of the academic programs. The faculty members are responsible for Course Outcome (CO) attainment calculation and recommendations for improvement of the courses. The attainment of POs and PSOs is calculated through the CO attainment of various courses, and the results are used for measuring the continuous improvement of POs and PSOs. Apart from that, several surveys are carried out to find the attainment of POs and PSOs.

Direct and Indirect assessments are adopted to measure the

progress of the PO/PSOs.

The courses offered by the Program are listed out to analyze its contribution towards POs and PSOs attainment. The Course Outcomes of offered courses by the program are mapped to POs and PSOs in 3-scale ranging from 1-Low, 2-Medium & 3-High. The collected data is analyzed through the Faculty Course Assessment Report, which holds the CO attainment of individual faculty and the Cumulative Course Assessment Report, which has the Consolidated CO of that particular Course. The analyzed data is verified with a fixed target. If the target is unmet, an action plan is recommended for course improvement incorporated in the next course delivery. POs and PSOs attainment is calculated as follows.

File Description	Documents
Upload relevant supporting document	View File

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

2702

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://www.veltech.edu.in/wp-content/uploads/2023/09/Student-Satisfaction-Survey-2022-23.pdf

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

The Research Policy at our institution holds a pivotal role in providing direction and guidance to faculty and students engaged in research and developmental activities. This policy serves as a

compass for the pursuit of scholarly endeavours. To foster a thriving research culture, the institute employs various strategies and initiatives:

Publication Awards and Incentives: Recognizing and rewarding outstanding research contributions through publication awards and incentives to encourage scholarly output.

Financial Support for Patents: The institute offers financial support for filing patents and provides valuable knowledge support through seasoned patent attorneys, facilitating intellectual property protection.

Training Programs: Regular training sessions are organised to enhance skills in proposal writing, patent drafting, and publication authoring, equipping researchers with the tools they need for success.

Research Talks: Distinguished scientists and academics from leading central research and academic institutions are invited to share their insights and experiences, fostering intellectual exchange and inspiration.

Research Updates for Academic Year 2022-23:

- Sponsored Research Projects: 25
- Patents Filed: (53 - Calendar Year 2022 & 2023)
- Patents Granted: (26 - Calendar Year 2022 & 2023)
- Institute-Funded Seed Money: (29.22 Lakhs - 24 Nos - Academic Year)
- Training Events Organized: (Specify the number of training events organised): 62

These initiatives and updates underscore our commitment to nurturing a vibrant research ecosystem within our institution, fostering innovation, and contributing to advancing knowledge.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

29.22

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

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

13

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

13

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

6

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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)

0

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

205.18

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

0.021

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

Vel Tech Technology Business Incubator, operating within our

institution since 2010, has steadfastly supported technology-driven business ideas and startups. Over the years, it has consistently promoted innovation and entrepreneurship. Supported by the Ministry of Science and Technology, several central programs, including NIDHI PRAYAS, NIDHI Center of Excellence, MeitY Supported Program TIDE 2.0, and the Startup India Seed Fund Scheme, have provided crucial financial backing to startups, complementing incubation, industry networking, and mentoring efforts.

The incubator has established dedicated facilities in key thrust areas, such as manufacturing, Electronic Manufacturing Services, and Additive Manufacturing. These facilities play a pivotal role in assisting startups during their initial product development phase. Furthermore, they collaborate with various MSME units and OEMs, offering valuable consultancy services and generating additional income for the incubator.

In recognition of our efforts during the Academic Year 2022-23,

- Startups Incubated: 44
- Startups Funded by Vel Tech TBI: 11
- Startups Raised Add-on Funding: 03
- Training Programs Organized (IPR/Innovation and Entrepreneurship): 55

Our commitment to fostering innovation extends beyond the incubator. The Institute actively drives innovation-driven activities through the Institute's Innovation Council, which receives support from the Ministry of Innovation Cell. We actively engage in various national initiatives, including the National Innovation and Startup Policy, National Innovation Challenge, IPR repository, and the Kapila Scheme, all aimed at mobilizing innovative ideas and startups from our student community. Our trained Innovation Ambassadors are pivotal in promoting innovation and entrepreneurship throughout the institution.

File Description	Documents
Upload relevant supporting document	<u>View File</u>

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

123

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

123

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

47

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   **A. All of the above**

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to   **A. All of the above**

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

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	[View File](#)

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

47

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

2

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

24-09-2024 10:10:26

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

1

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   D. Any 2 of the above

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

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

Scopus	Web of Science
8643	4632

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

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

Scopus	Web of Science
34	25

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	**No File Uploaded**

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

Vel Tech has forged over 3,800 invaluable industry partnerships, catering to various aspects like short-term student training, industry projects, and faculty development programs. These collaborations bridge the gap between academia and industry, equipping students with practical skills and insights.

In addition to these associations, the institute has established industry-linked laboratories that focus on solving real-time industrial challenges. Notably, ZF Commercial Vehicle Control System Limited has sponsored IoT and Smart Factory development initiatives, nurturing IoT innovations and offering skill training to our students. This partnership exemplifies our commitment to preparing students for the industry's evolving demands.

Our institution has a robust consultancy policy backed by a transparent incentive mechanism to motivate faculty members engaged in industry collaborations. Furthermore, our DRDO-supported High-Speed Bearing Test facility, accessible to industry partners like GE, HAL, and CVRDE, continues to generate income by providing a state-of-the-art test bed facility.

In recognition of our industry engagement during the fiscal year 2022-23,

- **Total Number of Industries Engaged in Consultancy: (43)**
- **Revenue Generated through Consultancy in FY 2022-23: (? 69,22,100)**
- **Total Incentive Amount Provided to Faculty Members in FY 2022-23: (? 11,45,959)**

These figures reflect our unwavering dedication to fostering strong ties with industry, promoting innovation, and enhancing the educational experience of our students and faculty members alike.

File Description	Documents
Upload relevant supporting document	[View File]()

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)

69.22

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	No File Uploaded

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

The institution makes consistent efforts to sensitize the nearby communities through the following regular programmes.

- E-waste awareness and plastic waste safe disposal awareness camps were held through the national facility inside the institution. In connection with this, the students from NSS and NCC assisted in collection of e-waste at CVRDE officer's guest house.
- V-Doers a unique programme adopted by the institution to reach out to EMS communities and help them through technology intervention. Students in V-Doers spend a month in a rural hill village and execute various social welfare projects. These real-time activities help students to identify social problems of rural village environments and design technical solutions to overcome the problem.
- SANDHAI is an field marketing event where students move to metro places of cities to sell the products made by orphanages. This event is organized in association with NITIE, Mumbai.
- VISAI is an annual project competition held in February month with 8 SDGs (Sustainable Development Goals).
- Organising Swachh Bharat summer internship in 5 nearby villages to educate people about waste management.

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

16

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

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)

16

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

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

1582

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

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

1138

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

22

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.

The institution has adequate classrooms, laboratories, tutorial rooms, active learning spaces, seminar halls, workshops, drawing halls, exam cell, libraries and their area per the norms. Most classrooms, seminar halls and tutorial rooms are equipped with LCD projectors and internet access facilities through Wi-Fi/ LAN ports to facilitate the faculty's effective delivery of their lectures and demonstrations. All the classrooms are provided with standard chalkboards, and whiteboards are also provided wherever necessary.

Laboratories:

Electrical supply for all the academic blocks, laboratories and hostels is fed through HT supply, and in case of interruption in power supply, diesel generators with sufficient capacity are available.

Computing facilities:

Computer laboratories are available with a standard set of licensed technical software necessary to conduct laboratory courses, research, workshops, etc. Students can access computer laboratories from 8:00 a.m. to 7:00 p.m. on weekdays and from 9:00 a.m. to 4:00 p.m. on Sundays. Wi-Fi devices are made available in all the blocks on the institution campus. Uninterruptible Power Supply units with the required capacity are available in all the computer laboratories, seminar halls and research laboratories to conduct laboratory courses and other activities smoothly.

Central Library:

Central Library facility is available with sufficient space. The central library has two digital library sections with enough computers. The library is fully automated with a Web version of Auto Lib Integrated Library Management System (ILMS) software. The AutoLib software has more modules, which are very useful for effective management.

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.)

The Institution has excellent facilities for extra-curricular activities executed in various forms namely clubs, indoor and outdoor games, nationally recognized social outreach programs such as NSS and nation building initiatives such as NCC. The major portion of extra-curricular cultural activities such as Music, Dance, Arts and Drama are collectively contained within Vel Tech Club. There are separate facilities available for Music club, Dance, Arts and Drama. Club members have been actively participating in these activities in separate spaces earmarked for these clubs.

There is a dedicated "Yoga hall" with a total area of 432 sq. m for the practice of Yoga. Every year, the International Yoga day is celebrated on a grand scale in the open air Auditorium spreading over a large area of the campus.

There are specific facilities in the Institute and hostels for Indoor games namely Badminton, Table Tennis, Chess, Carrom,

Karate, Kabaddi and Billiards. These facilities are well-utilized by most of our students and faculty members.

Four fully equipped Gymnasiums with an average area of about 109 sq. m are located in the B3 block, Prince & Leaders hostels for boys and Queens hostel for girls. Students are well utilising these facilities to keep them physically fit for participating in games, sports and for their general fitness.

The Institution also caters to facilities specific to track and field events. Facilities such as running tracks with 8 lanes (for 200 and 400 metres), Relay, Long jump, Triple Jump, Shot put, Discus throw, Javelin throw, etc., are established and maintained.

File Description	Documents
Upload relevant supporting document	[View File]()

4.1.3 - Availability of general campus facilities and overall ambience

Learning is made easy and interesting when the surroundings are equally inspiring. Student learning and the learning environment are inseparable. The institution's buildings are with stunning architectural styles and natural aesthetics.

The institution has five hostel complexes for gents and ladies with all modern amenities. Each hostel complex has a separate mess and dining facility with all amenities. Canteen facilities are available for faculty, staff and students—a three-storeyed staff quarters with all amenities, including 24/7 security and power backup.

A lift facility is made available in an academic building. Waiting rooms are provided for the benefit of students in a few blocks. Well-planned black top and concrete roads were laid in academic and hostel campuses. The campus and hostels are provided with good quality drinking mineral water. For general-purpose usage, water is extracted from open wells and bore wells.

The campus facilities are designed with environmental consciousness in mind. Dedicated sewage water treatment plants and solar water heaters are effectively utilised. Rainwater harvesting facilities are available within the campus. Biogas plants treat biodegradable waste.

The Institution also has solar streetlights at strategic

locations. The solar cum wind power plant is installed in the research park, which supplies power to a research lab. The entire campus is provided 24/7 continuous, uninterrupted power supply through EB HT supply and two Diesel power generators as backup.

Dedicated medical facilities with qualified doctors, nurses and the Institution's ambulances are made available within the campus on a 24/7 basis.

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)

3240.94

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

4.2 - Library as a Learning Resource

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

Library Automation:

The library has been automated with Nirmal software since 1997. In 2017, a Web version of AutoLib Integrated Library Management System (ILMS) software was installed and automated.

The AutoLib – (ILMS) software has the following 20 modules, which will satisfy the needs of the stakeholders for effective library management:

1. Database Creation and Maintenance (Cataloguing)
2. Member Master
3. Counter Transactions (Circulation)
4. Search (OPAC) - Simple Search Module
5. Advanced Search Module
6. Report Management (MIS Reports)
7. E-resources Linking
8. News Paper Clippings

   9. Stock Verification
  10. System Administration/ Management
  11. Online User E-Gate Register in Library
  12. Book Order/ Indent Processing
  13. Journal Issues Management
  14. Article Indexing and Abstracting
  15. Question Banks
  16. Binding Management
  17. Data Import
  18. Bulk Counter
  19. Query Builder cum Report Generator
  20. User Request Service

Digitization:

The library has a digitization facility using DSpace digital library software. Soft copies of institutional repositories are added to this portal for user reference.

The library has annual subscriptions for e-journals (IEEE, ASME, ASCE, J-Gate), e-books (Proquest, Pearson, McGraw Hill) and databases such as Elsevier/ Scopus and Web of Science. It is an e-ShodhSindhu, Shodhganga and National Digital Library of India (NDLI) member.

Further, books and journals will be procured for the students, faculty and researchers based on their request through interlibrary loans like DELNET and the British Council Library. The Library has a massive collection of 1,05,518 printed books, 70,000 e-books and millions of e-journals, and a facility to access NPTEL lectures.

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

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)

115.88

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

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

3890

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

248

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

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

The Board of Management of Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Vel Tech) has approved an IT policy which establishes the approaches and responsibilities for protecting the confidentiality, integrity, and availability of the information assets that are accessed, created, managed and legally controlled by the Institution.

The budget is allocated at the start of every academic year, and for the past five years, INR 14.36 Crore was spent on IT infrastructure facilities. The internet bandwidth has increased from 1000 Mbps to 3000 Mbps for the past five years, and around

two Crore is spent every year for the Internet Leased Line of JIO and M/s Techne online services against the rental charges of the Wi-Fi devices.

The Institution has well-established computer labs with Internet for students and staff. All the departments and administrative offices are provided with facilities such as Laptops, Printers and Scanners. The classrooms and seminar halls have LCD projectors to disseminate knowledge effectively. Uninterrupted power supply is available in all labs and offices.

V-learn software automates the day-to-day academic activities and establishes a smooth flow of information between the students and faculty.

All hostel students can use the free Wi-Fi facility at their hostels only for academic purposes. However, Vel Tech ensures a minimum of 98% network availability except during natural calamity/disaster times. Free SIM cards are given to all administrative officers of the Institution.

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
11119	2524

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	[View File]

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

46,77,49,066

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

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.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has a wide range of buildings, classrooms, laboratories, playgrounds, dining halls and other common amenities. A separate section named as Admin and Maintenance (A&M) section is available under the control of a Professor designated as Head (A&M).

The M&S section will solve the minor maintenance issues within one hour to two days and will solve the major maintenance issues within one week to fifteen days.

Scope of the M&S section:

- Ensures the maintenance of Institution buildings, infrastructure, electrical, plumbing, air conditioning, Sewage Treatment Plant, RO water plants, guest house and common areas.
- Ensures to keep the classrooms, laboratories, faculty cabin, non-academic areas like gyms, rest rooms, auditorium, cafeteria, and play grounds clean and hygiene.
- Disposes the waste materials in proper ways that are collected from various places.
- Renovation, interior painting, mechanical & civil works and repair of furniture & water lines are also their part of services.

- Maintains a complaint register for the complainant to enter the type of faults so that the M&S section will resolve all the issues in a timely basis.
- Annual maintenance contract is executed with the authorised vendors for UPS, Generators, Turnstile gates, CCTV camera systems, passenger lifts, etc.

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)

4070

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

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

1367

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

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	View File

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

162

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

1469

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

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

285

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

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

15

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 Student Council of the Institution plays a crucial role in enhancing the overall student experience and fostering a sense of empowerment by offering a chance to be represented in decision-making, academic matters, and administrative committees. This experience helps to develop leadership abilities, enriches students' lives, propels towards excellence, and enhancethe academic atmosphere. The insights and recommendations provided by student coordinators areesteemed in shaping policies related to student activities.

The Anti-Ragging Central Committee(ARCC) works to prevent and ban ragging on and off campus.The Sensitization, Prevention, and Redressal of Sexual Harassment Committee address all forms of

discrimination against female students,promotes gender awareness and eradicate sexual harassment.Vel Tech includes the Literary, Music, Creative arts, Dramatics, Photography&short film shooting, and Classical dance clubs.The Institute encourages students to join National Cadet Corps(NCC) to cultivate leadership, character, camaraderie, sportsmanship, and spirit-of-service.The National Service Scheme(NSS) provides the students opportunity to participate in social service activities.

The Institution implements the Swachh Bharat and Unnat Bharat Abhiyan(UBA) schemes by organizing regular cleanliness drives on and around campus, andadoptsno.of villagesascommunityactivity.Student Amenities and Hostel Committee assess the quality and hygiene of food and gather feedback from students.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

17

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

Vel Tech Alumni Association is registered under the Tamil Nadu Registration of Societies Act with Registration no. 374 of 2014 dated 21st July 2014.

The institution values building and sustaining connections with its alumni from all over the world and serves as a link between alums, present students, and the alma mater. Vel Tech graduates are dynamic, holding prestigious jobs across the globe and demonstrating their talent in a variety of sectors, including management, science, and technology. The institution is having 22,708 Alumni,31 chapters with22national and 09 international

chapters in countries like Singapore, France, Germany etc.During the academic year 2022-23,04 national chapters, 03 international chapters and 36 interaction programmes were organised.

Vel Tech alumni are involved as members ofInternal Quality Assurance Cell (IQAC) and Board of Studies.Vel Tech alumni who are currently employed by multinational corporations(MNCs)impart their professional and personal knowledge and experience to thepresent students.Thealumni network helps students to choose the right subjects, prepare for their target college/university for higher studies, and guide them about the career streams.Alumni who are employed in cutting-edge technologies and sciences offer suggestions and feedback in curriculum revision and introducing new courses.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

File Description	Documents
Upload relevant supporting document	No File Uploaded

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

The governance activities of the institution are clearly reflected in the Vision and Mission statements of the institute. The Vision and Mission statements are:

Vision

"To create, translate and disseminate frontiers of knowledge embedded with creativity and innovation for a positive transformation of the emerging society."

Mission

"To nurture excellence in teaching, learning, creativity and

research; translate knowledge into practice; foster multidisciplinary research across science, medicine, engineering, technology, and humanities; incubate entrepreneurship; instill integrity and honor; inculcate scholarly leadership towards global competence and growth beyond self in a serene, inclusive and free academic environment."

These statements, approved by the Board of Management have developed a conducive, committed educational and work environment for teaching, learning, innovation, and research and set targets for various phases of advancement.

Academic governance of the Institute guarantees that academic goals are executed efficiently to meet Industry and Institution needs. The hallmark academic governance actions are: CBCS and CDIO frameworks, Innovations through funded research projects, and quality publications, Centre of Excellence in emerging areas, etc. Further, the administration of the institute ensures transparency and provides better systems of governance. In all decision-making, a participatory style of management is practiced.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

All Institute activities are decentralized and participatory. Registrar, CoE, Deans, and HoDs have distinct duties and responsibilities according to the institution's bylaws.

Participative Management

The Institute promotes a culture of participative management by involving all the faculty, staff, and students in various activities.

Case Study 1: Budget Preparation

- Upon getting the circular to prepareannual budget, the Deans will meet with department Heads to discuss budget planning.
- The Department/Section Head will convene a meeting withfacultyto review budgetrequirements.
- Faculty can submit lab and classroom budgets.
- The Registrar will submit academic and administrative

      budgets for assessment by the Vice-Chancellor.

- The proposed budget will be submitted to the Finance Committee for approval by the Finance Officer.
- The Board of Management will approve the recommended budget.

Case Study 2: Design of Curriculum and Syllabus

The support system, including committees and cells, was established to execute program curriculum, implementation, and improve POs/PEOsattainment. The Chief Administrator leads the Department, while the Program Coordinator oversees committee and cell operations. The various committees are the Program Advisory Committee, and Module/Course Coordinators. After Board of Studiesand Academic Council approval,the curriculum, handbooks with complete syllabi are prepared and given to students and faculty.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The strategic perspectives describe the initiatives of the institution to effectively deal with dynamically varying functionalities associated with the fields of engineering, science, media and management. Keeping the vision and mission of the Institute, the five year Strategic Plan was prepared for the enhancement in Teaching Learning with introduction of new programmes in different domains and excellence in Research, Innovation and Entrepreneurship by faculty and students.

The vision document is prepared to articulate short-term and long-term plans that are conceived for achieving "growth driven excellence". The focus is to facilitate and promote critical intellectual engagement with novel thoughts, expressions and action plans that paves way to academic leadership.

Transformational changes that have typified teaching and learning methodologies alongside of upsurge in e-learning training models, have caused overhauling of academic programs in most disciplines. The primary intent is to delineate the vital efforts and constituents that can together create an eco-system that resonate with academic leadership needs.

The proposed highest priority is to attract top quality students and faculty members both nationally and internationally. It also extends to enhance the faculty excellence with special emphasis given to promoting and recognizing excellence and leadership in research, leadership, creativity and graduate education.

File Description	Documents
Upload relevant supporting document	[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.

A well-defined organizational hierarchical structure in order to process and incorporate good governance with a set of policies and guidelines for various activities involved in the areas of Academic, Administration, Financial, Admissions, Research, Consultancy, Auditing, etc.

Administrative Setup

The Board of Management (BoM), chaired by the Vice Chancellor, is the institution's top authority. Institutional BoM is independent of sponsoring body and wants complete academic and administrative autonomy.The sponsoring body appoints the institute's Chancellor, who oversees the initiatives taken to fulfill the institution's vision and mission.

- The Vice Chancellor is appointed by the BoM-approved Search-Cum-Selection Committee under UGC norms. The Vice Chancellor oversees the activities of the institution.
- The Registrar is the institute's administrative leader and ex-officio Secretary of the BoM, Academic Council, and Planning and Monitoring Board. The Registrar oversees all administrative tasks.
- The Controller of Examinations is a statutory officer who is responsible for the conduct of examinations and publication of results.
- Annual budget estimates and statements of accounts are prepared by the Finance Officer for submission tothe Finance Committee and BoM.The academic structure comprises the Deans of seven schools, followed by the Heads of the various departments and the faculty members of the departments.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

A. All of the above

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

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

The institution has a well-established system of appraisal, promotion, and effective welfare measures for both teaching and non-teaching staff members.

Teaching Faculty

The institution adopts a self-appraisal system for reviewing the performance of faculty, based on the UGC-provided Academic Performance Indicator.

Non-Teaching Staff

The performance appraisal includes a confidential report by the reporting officer/ HoD/ Dean, which would be scrutinized by the HR Head and the Registrar. The final approval would be granted by the Vice Chancellor.

EFFECTIVE WELFARE MEASURES

- **Various categories of leave including Casual, Earned, Medical, Maternity, Special, and Study Leave**

- Social security benefits viz., Gratuity, EPF, Group Health Insurance, etc.,
- ESI facility for non-teaching staff
- Quarters at subsidized tariff for the Faculty
- Bank, ATM, Canteen, Free In- house medical and Ambulance Facilities
- Faculty Recreation Club
- Summer and Winter vacations for eligible members
- Mother's Fund Contribution
- Recurring Deposit Contribution
- Registration Fee, TA/DA for attending conferences and presenting projects to Funding Agencies
- Revenue Sharing in consultancy projects
- Reimbursement of IPR Filing Charges
- Rewards for Best Teaching, Best Research, and Life Time Achievement
- Interest-free advance of two months salary and loan on EMI basis from social welfare fund

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

146

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

26

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)

441

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

Vel Tech, a self-financing institution, relies on student fees as its primary source of revenue. To meet research and teaching-learning needs, the institution mobilizes resources also through:

1. Funded research projects
2. Revenue through Consultancy
3. Industry-Linked Laboratories and Centers of Excellence
4. Financial support by the alumni

Further, additional funds are raised from:

1. Fees collected by organizing the FDP, conferences, workshops, etc.
2. Leasing out the infrastructure facilities
3. The funds are generated as a result of interest accrued and overhead charges from the research fund.
4. Hostel fees.

Optimum Utilization of funds

1. Induction and orientation programs, workshops, inter-disciplinary activities, training programs, refresher courses, FDPs, Conferences, Industry Academia exchanges, and teaching-learning practices are prioritized to provide a high-quality education.
2. The internal audit committee evaluates the need,and optimizes fundusage before recommending approval.
3. To lower buying expenses, the internal purchase committee negotiates with suppliers and vendors.
4. Budget covers daily operational, administrative, and fixed asset upkeep.
5. Lab facilities are being upgraded with funds to improve research facilities at the institution.

6. **Minimize electricity, water, and energy usage by installing appropriate checkpoints to save funds.**
7. **The institution installs solar plants to save electricity**

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

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)

22

File Description	Documents
Upload the data template	<u>View File</u>
Upload relevant supporting document	**No File Uploaded**

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	<u>View File</u>
Upload relevant supporting document	**No File Uploaded**

6.4.4 - Institution conducts internal and external financial audits regularly

INTERNAL AUDIT The institution conducts internal and external financial audits periodically. Internal audits by chartered accountants ensure that all financial transactions follow management rules. Auditor reviews the following:

- **Admission Process Review**
- **Scrutiny of the application process, short listing process, fee norms, and merit scholarships offered**
- **Payroll Review**
- **Reviewing the recruitment process, the induction process, Training of newly appointed staff and performance appraisal of teaching and non-teaching staff**
- **Procurement**
- **Review of operating expenses, vendor selection process,**

   purchase order processing, advance cash accounts, goods receipts, and invoice verification
- **Fixed Asset Management**
- **Annual stock verification, asset records, depreciation charges, and CAPEX**
- **Financial Accounting**
- **Review of payable accounts, receivable accounts, general ledger records, cash, and bank**
- **Balances and Financial Statements of the Year**
- **Revenue Recognition**
- **Verification of various fee receipt categories, including tuition fees, examination fees, transport fees, hostel fees, and other incomes**
- **Statutory Compliance**
- **Verifying mandatory contributions like PF and gratuity, Mediclaim remittances, GST, and payment as per labor laws**

EXTERNAL AUDIT The external audit is carried out by the statutory auditor. Statutory auditors audit and certify the Institute's consolidated annual financial statement of accounts. The audited account statement is placed before the Finance Committee and then the Board of Management for approval.

File Description	Documents
Upload relevant supporting document	[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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The various quality parameters pertaining to academic and administrative levels is decentralized among the corresponding Deans and Heads of the Department to monitor the incremental improvement made during the year. The Vice-Chancellor will review twice in a year about the progress in the quality parameters. This parameters are designed keeping in view of various International and National Rankings like Times Higher Eduction (THE) Rankings, QS Rankings, Accreditations like NAAC and NBA, and National Recognitions.

File Description	Documents
Upload relevant supporting document	[View File]()

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
Upload the data template	View File
Upload relevant supporting documnent	View File

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)

Publications (January 2024) Scopus:7,971 Web of Science:3,222

h-index(January 2024) Scopus:121 Web of Science:72

Citations(January 2024) Scopus:68,075 Web of Science:28,963

Patent(s):As on January 2024, 200 Filed in which 50 were granted & 133 published

Funded Project(s):As on January, 92 projects worth Rs. 67.57 Crore which includes International collaborations

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

The institution has taken several gender equity initiatives and as a result, 35% of women are employed inour campus. Approximately 15 % of the total students are females. The Institution takes utmost

care in the areas of safety, security, counseling, common rooms represented bythe following initiatives.

INITIATIVES

- The IEEE women Engineering unit of Vel Tech monitors various programs and initiatives takenwith regards to women empowerment and welfare activities
- To ensure gender equity in all academic and co-curricular activities, the Institution organizes thefollowing type of co-curricular activities
- Women Employability Program
- Special workshops for women faculty to enhance their teaching skills
- Women Hygiene: A grooming seminar for girl students
- Woman's Day Celebration
- Mother's Day Celebration
- Soft Skill training programs
- Guest Talk sessions on Women Empowerment
- Sports meet exclusively for Women
- Health Awareness campaigns for Women
- Financial Literacy Program for Women

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	https://www.veltech.edu.in/AQAR/2022-23/C7/Gender_sensitization_action_plan(s).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	https://www.veltech.edu.in/AQAR/2022-23/C7/7.1.1

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	**No File Uploaded**

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

The institute is committed to following sustainable practices in order to build and maintain a green campus and to adopt zero waste discharge.

SOLID WASTE MANAGEMENT (SWM)

- **Campus waste is segregated into organic, recyclable, and reusable forms.**
- **Waste is processed according to SWM management practices at the waste processing yard.**
- **Recyclable waste is disposed of through vendors as needed.**
- **Biodegradable waste is composted and used for gardening.**

LIQUID WASTE MANAGEMENT

- **The Institution has 7 1000/500 KLD Sewage Treatment Plants (STP).**
- **Wastewater is treated to eliminate impurities so it can be reused.**
- **The treatment system is preliminary, primary, and secondary. The Eco-Bio Bricks assist bacteria connect to the treatment system and remove organic compounds from wastewater.**
- **STP isregularly maintained. Treated water is used for landscaping and flushing purposes.**

E-WASTE MANAGEMENT

- **Disposal of electronic waste includes TVs, monitors, printers, scanners, keyboards, mouses, phones, fax machines, cables, memory chips, motherboards, compact discs, cartridges, and hazardous e-waste to authorized vendors with a certificate of destruction.**
- **The institution prevents the disposal of e-waste along with the other solid wastes generated.**

OTHER ENVIRONMENT-CONSCIOUS INITIATIVES

- **Bio-medical waste management**
- **Rainwater harvesting system to save water**
- **Divyangjan Friendly Campus**
- **Plastic-Free Campus**
- **Paperless Office**
- **Pedestrian Friendly roads**
- **Green Landscaping**

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: **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
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: **A. Any 4 or all of the above**

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

File Description	Documents
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.   **B. Any 3 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)

1.The NSS and the Unnat Bharat Abhiyan (UBA) Cell of this Institution are working together withthe people of rural India in identifying development challenges and evolving appropriate solutions. 2.The teams of the student volunteers from NSS and UBA are constantly having touch with thenearby villages Morai, Vellanur, Veerapuram, Kollumedu undertaking the rural development workssuch as cleaning the footpath / roads leading to the villages under the rural communityenhancement and development scheme. 3.The honourable Founder and Chairman, a philanthropist always think in the positive ways topromote the welfare of the people in the village and eradication of their poverty by all possiblemeans. Essential Medicines, clothes and food are distributed to them through the NSS wing. 4.Most of the administrative employees of

this Institution are from the nearby villages and theInstitution, not only takes care of them but also their wards to give better education by providingadmissions to their children in the schools run by the management. 5.The SC/ST cell takes care of enhancing the diversity among the students, teaching and non-teaching staff population and at the same time elimination the perception of discrimination.

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:

- The institute in its nascent stages of inception had envisioned contributing to Nation Development, mainly by 1)Advancement of technology of scientific and industry of our country and 2) Enrichingthe knowledge of the vast human capital of our country by Teaching and Learning on par withexcellence.
- The institute involves and trains students and faculty and makes them participate in NationalSchemes like Swachh Bharat and International Yoga Day. Also, the institution contributes toRenewable Energy Sources and E- waste management.
- The institute promotes education through critical comparison, development of systems withunderstanding of personal, social, and professional responsibility, and as indispensable access to allsegments of society.
- The institute provides an unparalleled opportunity for an all round development, well-proportionededucation for effective living and for citizenship. The institute works with innovation towardsnational aspirations and contemporary developments and needs and yet maintains a balancedmultidisciplinary approach.
- The institute interfaces with society through extramural, extension and field research relatedprogrammes with academic excellence.
- The institution is also involved in collaborative activities with International research institutes anduniversities which is strong indication of the institution's contribution to nation building.

The glimpses of the sensitization activities of the institution to xonstitutional obligations are providedin the following link

(https://www.veltech.edu.in/AQAR/2022-23/C7/7.1.9/)

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

The Matribhasha Diwas is celebrated every yearon 22nd February, – a Day dedicated to promoting awareness of Linguistic and CulturalDiversity and Multilingualism. The Constitution Day, also known as 'Samvidhan Divas', is celebrated on 26thNovember every year to commemorate the adoption of the Constitution of India. The Independence Day & Republic Day celebrations are conducted in the traditional way, in which, theStudent Toppers from UG & PG will hoist and unfurl the national flag respectively. Teacher's day – 5th September: Teachers' Day is a special day for the appreciation of teachers, and mayinclude celebrations to honour them for their special contributions in a particular field area, or thecommunity. Engineers day – 15th September: The institute conducts Engineers' day celebrations every year on 15thSeptember i.e., Sir Mokshagundam Visvesvaraya birth anniversary. National Sports Day: It is celebrated on 29th August every year to commemorate the birthday of Indianhockey legend Major Dhyan Chand. The festivals like Diwali, Christmas, Ramzan, Pongal, Onam, Ugadi, Dussehra, GaneshChaturthi, and Holi have been organizedin true spirit and with the participation of students and staff members.

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

Vel Tech is following Outcome Based Education (OBE) from 2012 onwards. The CBCS isintroduced in 2015-16. The minor degree and other salient features of NEP is introducedfrom 2021-22 onwards. The institute educational philosophy aligned towards learning by doing concept and practicing Conceive, Design, Implement & Operate (CDIO) as one of the pedagogical initiate from 2017-18. All these educational and pedagogical reforms are benchmarked with top institutes globally as well as understanding the policies andframeworks of AICTE, UGE, NEP and NBA guidelines.

Departments referring government policies, subsidiary plans, influencing reports andcollecting feedbacks from various stakeholders. Stakeholder's views, government policies,trends and insights are analysed and discussed periodically in different meetings (Departmentmeetings, BOS, ACM and BOM). This entire framework helps the departments to identifyand integrate these requirements into course outcomes and align them with POs & PSOs withharmony of institutes vision and mission. Departments following well established process of reviewing the attainment of POs & PSOs to identify the gaps in curricula as well as teachinglearning process. Industry and International relations keeps the community vibrant byarranging expert courses, and mobility of people among other institutions.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

14

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

1389

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

357

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

39

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

1.3 - Curriculum Enrichment

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

Vel Tech believes in an inclusive development process and ensures the relevant cross-cutting issues are included as part of the academic curriculum. The Choice Based Credit System framework consists of foundation courses that gives flexibility to students to do coursesacross disciplines and provide inclusive educational experiences. Foundation courses consist of engineers and society, universal human values, the constitution of India, environmental studies, design thinking, introduction to engineering, innovation and entrepreneurship as part of the coursework. The framework enables departments to integrate courses relevant to the crosscutting issues which are embedded processes of building an inclusive society for all. Departments are offering topics related to professional practices and standards relevant to the domain. These practices enable students to understand the correlation between technology, arts and science along with the impact of the solutions on the emerging society at large as well as making them to become successful human beings embedded with technology and science. Departments from Arts and Science stream and law address these topics in-depth through curriculum and activities. Vel Tech took special care on Gender-related topics via SPARSH committee. This committee will conduct events and sensitization programs on Gender equality and awareness programs on the Induction cum acquaintance program.

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

29

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	No File Uploaded

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

4824

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

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

2631

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

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

3450

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

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

1901

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

Identification of Slow Learners and Fast Learners:

Student identification starts after the declaration of the previous semester-end examination (SE) result and the performance in the current semester Continuous Evaluation Test (CE) 1. The following parameters and weightages are considered to identify the students

1. Performance in the current semester

Continuous Evaluation Test – 1: 50 %

2. Previous Semester End Examination Performance: 40 %

3. Observations by the Course Faculty: 10 %

A student who has secured 60% and above of total weightage will be considered an Advanced Learner, and a student who has secured less than 50% weightage will be identified as a slow learner.

Slow Learners Follow-up: Remedial classes are conducted after

class hours with a minimum number of students. From time to time, slow learners are monitored based on their performances in successive CIA. Along with remedial classes, the allotted mentor also counsels the student by suggesting the various learning resources relevant to the topic.

Fast Learners Follow-up:

Fast Learners are encouraged to participate in Project Competitions like the AICTE Vishwakarma Awards, Smart India Hackathon, and National and International coding competitions like ACM-ICPC. Students who aspire to higher studies are encouraged to prepare for GATE, GRE, etc.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link For Additional Information	https://www.veltech.edu.in/AQAR/2022-23/C2/2.2.1/

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
11119	753

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3 - Teaching- Learning Process

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

The Institute has transformed its approach to teaching and learning, transitioning from traditional methods to a student-centric approach starting from the academic year 2012-2013.

The students across all programs actively engage in experiential learning as part of Vel Tech's mission. In all Programmes, participative learning takes center stage in our teaching approach. Students are engaged through collaborative

activities, group discussions, active learning techniques such as case studies, jig-saw activities, think-pair-share exercises, role-playing, brainstorming sessions, peer-to-peer learning and problem-solving tasks, which led to improved critical thinking skills, problem-solving abilities, and overall student growth.

Students also actively engage in diverse activities, including seminars, peer training, event coordination to develop teamwork and managerial skills, film-making projects, field trips, and communicative services fostering collaborative skills and participation in events. Students are exposed to courses that prioritize learning through the practical experience of tackling open-ended problems. These courses emphasize critical thinking and problem-solving skills, strongly focusing on applying mathematical concepts to solve complex and real-world problems. Students actively solve real-world problems and meaningful projects through Project-Based Learning (PBL).

File Description	Documents
Upload relevant supporting document	[View File](#)

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

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology encourages extensive use of ICT-enabled tools such as PowerPoint Presentations, Video Clippings, e-learning resources such as NPTEL videos, MIT open courseware and e-learning tools available in the Internet, creating and using Web & android mobile applications, simulation tools for effective teaching and learning process. All departments' classrooms and Seminar Halls are equipped with LCD projectors and screens. Interactive smart boards with sufficient internet bandwidth are also available in the required learning spaces. Digital writing pads are also used for effective classroom delivery. RF Clickers, an Interactive responsive tool device, is used to conduct the quiz activities as part of participative learning under student learning assessments (SLAs). Microsoft Team Classroom facility is used to deliver online lectures, sharing of e-content and other important interactive features for e-learning. V-Learn is a Learning Management System (LMS); this platform serves as a bridge between faculty and students

to share the lecture, course materials, homework assignment tasks and relevant course material, including video lectures created by the faculty. Faculty members use NPTEL virtual labs to deliver the lectures.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

2.3.3.1 - Number of mentors

532

File Description	Documents
Upload relevant supporting document	[View File](#)

2.4 - Teacher Profile and Quality

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

753

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

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

408

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

3251

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

94

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

15

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

15

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

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

131

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

A fully computerized Examination Management System (EMS) is available in the institution. Various processes like generation of seat numbers, hall ticket printing, students' performance tracking, results declaration, etc., are done through state-of-the-art computer software systems. The end-semester examination schedule is published in the academic calendar and is followed strictly. The results are published within 15 days for the UG examinations and 21 days for the PG examinations. The services of external examiners from reputed institutions are utilized for question paper setting, evaluation in addition to the internal teaching faculty. To increase the transparency in the evaluation process, a photocopy of the answer booklet is also given to the students and the option to re-evaluate / challenge evaluation is also provided. The institution is also a member of the National Academic Depository.The answer booklets/grade cards have inbuilt security features including watermarks, MICR coding, Microline printing, guilloche pattern, photochromatic ink, etc.The institution is also a member of the National Academic Depository.

File Description	Documents
Upload relevant supporting document	[View File](#)

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	[View File](#)

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

The institution follows a systematic process for Outcome Based Education (OBE) by defining and implementing Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Program Outcomes and two or three Program Specific Outcomes are defined for all the programs. The courses offered in the curriculum and other ecosystems are expected to address all the POs and PSOs of the concern program. Course Outcomes (COs) are defined as per Bloom's Taxonomy. These COs are ultimately helpful for the attainment of the POs and PSOs. The COs are expressed as complete declarative sentences that clearly describe the knowledge, skills, and competencies that students are expected to acquire as a result of completing the course. The institution has established the mechanism of mapping COs with POs and PSOs.

The POs and PSOs are published and disseminated via various media to the stakeholders.

Publication of POs and PSOs:

Program Outcomes and Program Specific Outcomes are displayed at

1. Department websites of https://www.veltech.edu.in/
2. Curriculum books
3. Department Notice Board
4. Department Laboratories
5. Department Corridors

Dissemination of POs and PSOs:

POs and PSOs are disseminated to the following stakeholders:

1. Parents
2. Students
3. Faculty
4. Employers
5. Alumni

File Description	Documents
Upload relevant supporting document	[View File](#)

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

The quality activities comprise assessments and evaluations of the academic programs. The faculty members are responsible for Course Outcome (CO) attainment calculation and recommendations

for improvement of the courses. The attainment of POs and PSOs is calculated through the CO attainment of various courses, and the results are used for measuring the continuous improvement of POs and PSOs. Apart from that, several surveys are carried out to find the attainment of POs and PSOs.

Direct and Indirect assessments are adopted to measure the progress of the PO/PSOs.

The courses offered by the Program are listed out to analyze its contribution towards POs and PSOs attainment. The Course Outcomes of offered courses by the program are mapped to POs and PSOs in 3-scale ranging from 1-Low, 2-Medium & 3-High. The collected data is analyzed through the Faculty Course Assessment Report, which holds the CO attainment of individual faculty and the Cumulative Course Assessment Report, which has the Consolidated CO of that particular Course. The analyzed data is verified with a fixed target. If the target is unmet, an action plan is recommended for course improvement incorporated in the next course delivery. POs and PSOs attainment is calculated as follows.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

2702

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://www.veltech.edu.in/wp-content/uploads/2023/09/Student-Satisfaction-Survey-2022-23.pdf

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

The Research Policy at our institution holds a pivotal role in providing direction and guidance to faculty and students engaged in research and developmental activities. This policy serves as a compass for the pursuit of scholarly endeavours. To foster a thriving research culture, the institute employs various strategies and initiatives:

Publication Awards and Incentives: Recognizing and rewarding outstanding research contributions through publication awards and incentives to encourage scholarly output.

Financial Support for Patents: The institute offers financial support for filing patents and provides valuable knowledge support through seasoned patent attorneys, facilitating intellectual property protection.

Training Programs: Regular training sessions are organised to enhance skills in proposal writing, patent drafting, and publication authoring, equipping researchers with the tools they need for success.

Research Talks: Distinguished scientists and academics from leading central research and academic institutions are invited to share their insights and experiences, fostering intellectual exchange and inspiration.

Research Updates for Academic Year 2022-23:

- Sponsored Research Projects: 25
- Patents Filed: (53 - Calendar Year 2022 & 2023)
- Patents Granted: (26 - Calendar Year 2022 & 2023)
- Institute-Funded Seed Money: (29.22 Lakhs - 24 Nos - Academic Year)
- Training Events Organized: (Specify the number of training events organised): 62

These initiatives and updates underscore our commitment to nurturing a vibrant research ecosystem within our institution, fostering innovation, and contributing to advancing knowledge.

File Description	Documents
Upload relevant supporting document	View File

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

29.22

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

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

13

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

13

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

6

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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)

0

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

205.18

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

0.021

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

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

Vel Tech Technology Business Incubator, operating within our institution since 2010, has steadfastly supported technology-driven business ideas and startups. Over the years, it has consistently promoted innovation and entrepreneurship. Supported by the Ministry of Science and Technology, several central programs, including NIDHI PRAYAS, NIDHI Center of Excellence, MeitY Supported Program TIDE 2.0, and the Startup India Seed Fund Scheme, have provided crucial financial backing to startups, complementing incubation, industry networking, and mentoring efforts.

The incubator has established dedicated facilities in key thrust areas, such as manufacturing, Electronic Manufacturing Services, and Additive Manufacturing. These facilities play a pivotal role in assisting startups during their initial product development phase. Furthermore, they collaborate with various MSME units and OEMs, offering valuable consultancy services and generating additional income for the incubator.

In recognition of our efforts during the Academic Year 2022-23,

- Startups Incubated: 44
- Startups Funded by Vel Tech TBI: 11
- Startups Raised Add-on Funding: 03
- Training Programs Organized (IPR/Innovation and Entrepreneurship): 55

Our commitment to fostering innovation extends beyond the incubator. The Institute actively drives innovation-driven activities through the Institute's Innovation Council, which receives support from the Ministry of Innovation Cell. We actively engage in various national initiatives, including the National Innovation and Startup Policy, National Innovation Challenge, IPR repository, and the Kapila Scheme, all aimed at mobilizing innovative ideas and startups from our student

community. Our trained Innovation Ambassadors are pivotal in promoting innovation and entrepreneurship throughout the institution.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

123

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

123

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

47

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 1. **Inclusion of research ethics in the**	**A. All of the above**

	research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)	
3. Plagiarism check	
4. Research Advisory Committee	

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	[View File](#)

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

47

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

2

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

1

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	**D. Any 2 of the above**

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

Scopus	Web of Science
8643	4632

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

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

Scopus	Web of Science
34	25

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

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

Vel Tech has forged over 3,800 invaluable industry partnerships, catering to various aspects like short-term student training, industry projects, and faculty development programs. These collaborations bridge the gap between academia and industry, equipping students with practical skills and insights.

In addition to these associations, the institute has established industry-linked laboratories that focus on solving real-time industrial challenges. Notably, ZF Commercial Vehicle Control System Limited has sponsored IoT and Smart Factory development initiatives, nurturing IoT innovations and offering skill training to our students. This partnership exemplifies our commitment to preparing students for the industry's evolving demands.

Our institution has a robust consultancy policy backed by a transparent incentive mechanism to motivate faculty members engaged in industry collaborations. Furthermore, our DRDO-supported High-Speed Bearing Test facility, accessible to industry partners like GE, HAL, and CVRDE, continues to generate income by providing a state-of-the-art test bed facility.

In recognition of our industry engagement during the fiscal year 2022-23,

- Total Number of Industries Engaged in Consultancy: (43)
- Revenue Generated through Consultancy in FY 2022-23: (? 69,22,100)
- Total Incentive Amount Provided to Faculty Members in FY 2022-23: (? 11,45,959)

These figures reflect our unwavering dedication to fostering strong ties with industry, promoting innovation, and enhancing the educational experience of our students and faculty members alike.

File Description	Documents
Upload relevant supporting document	[View File](#)

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)

69.22

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	No File Uploaded

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

The institution makes consistent efforts to sensitize the nearby communities through the following regular programmes.

- **E-waste awareness and plastic waste safe disposal awareness camps were held through the national facility inside the institution. In connection with this, the students from NSS and NCC assisted in collection of e-waste at CVRDE officer's guest house.**
- **V-Doers a unique programme adopted by the institution to reach out to EMS communities and help them through technology intervention. Students in V-Doers spend a month in a rural hill village and execute various social welfare projects. These real-time activities help students to identify social problems of rural village environments and design technical solutions to overcome the problem.**
- **SANDHAI is an field marketing event where students move to metro places of cities to sell the products made by orphanages. This event is organized in association with NITIE, Mumbai.**
- **VISAI is an annual project competition held in February month with 8 SDGs (Sustainable Development Goals).**
- **Organising Swachh Bharat summer internship in 5 nearby villages to educate people about waste management.**

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

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

16

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

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)

16

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

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

1582

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

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

1138

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

22

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.

The institution has adequate classrooms, laboratories, tutorial rooms, active learning spaces, seminar halls, workshops, drawing halls, exam cell, libraries and their area per the norms. Most classrooms, seminar halls and tutorial rooms are equipped with LCD projectors and internet access facilities through Wi-Fi/ LAN ports to facilitate the faculty's effective delivery of their lectures and demonstrations. All the classrooms are provided with standard chalkboards, and whiteboards are also provided wherever necessary.

Laboratories:

Electrical supply for all the academic blocks, laboratories and hostels is fed through HT supply, and in case of interruption in power supply, diesel generators with sufficient capacity are available.

Computing facilities:

Computer laboratories are available with a standard set of licensed technical software necessary to conduct laboratory courses, research, workshops, etc. Students can access computer laboratories from 8:00 a.m. to 7:00 p.m. on weekdays and from 9:00 a.m. to 4:00 p.m. on Sundays. Wi-Fi devices are made available in all the blocks on the institution campus. Uninterruptible Power Supply units with the required capacity are available in all the computer laboratories, seminar halls and research laboratories to conduct laboratory courses and other activities smoothly.

Central Library:

Central Library facility is available with sufficient space. The central library has two digital library sections with enough computers. The library is fully automated with a Web version of Auto Lib Integrated Library Management System (ILMS) software. The AutoLib software has more modules, which are very useful for effective management.

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.)

The Institution has excellent facilities for extra-curricular activities executed in various forms namely clubs, indoor and outdoor games, nationally recognized social outreach programs such as NSS and nation building initiatives such as NCC. The major portion of extra-curricular cultural activities such as Music, Dance, Arts and Drama are collectively contained within Vel Tech Club. There are separate facilities available for Music club, Dance, Arts and Drama. Club members have been actively participating in these activities in separate spaces earmarked for these clubs.

There is a dedicated "Yoga hall" with a total area of 432 sq. m for the practice of Yoga. Every year, the International Yoga day is celebrated on a grand scale in the open air Auditorium spreading over a large area of the campus.

There are specific facilities in the Institute and hostels for Indoor games namely Badminton, Table Tennis, Chess, Carrom, Karate, Kabaddi and Billiards. These facilities are well-utilized by most of our students and faculty members.

Four fully equipped Gymnasiums with an average area of about 109 sq. m are located in the B3 block, Prince & Leaders hostels for boys and Queens hostel for girls. Students are well utilising these facilities to keep them physically fit for participating in games, sports and for their general fitness.

The Institution also caters to facilities specific to track and field events. Facilities such as running tracks with 8 lanes (for 200 and 400 metres), Relay, Long jump, Triple Jump, Shot put, Discus throw, Javelin throw, etc., are established and maintained.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.1.3 - Availability of general campus facilities and overall ambience

Learning is made easy and interesting when the surroundings are equally inspiring. Student learning and the learning environment are inseparable. The institution's buildings are with stunning architectural styles and natural aesthetics.

The institution has five hostel complexes for gents and ladies with all modern amenities. Each hostel complex has a separate mess and dining facility with all amenities. Canteen facilities are available for faculty, staff and students—a three-storeyed staff quarters with all amenities, including 24/7 security and power backup.

A lift facility is made available in an academic building. Waiting rooms are provided for the benefit of students in a few blocks. Well-planned black top and concrete roads were laid in academic and hostel campuses. The campus and hostels are provided with good quality drinking mineral water. For general-purpose usage, water is extracted from open wells and bore wells.

The campus facilities are designed with environmental consciousness in mind. Dedicated sewage water treatment plants and solar water heaters are effectively utilised. Rainwater harvesting facilities are available within the campus. Biogas plants treat biodegradable waste.

The Institution also has solar streetlights at strategic locations. The solar cum wind power plant is installed in the research park, which supplies power to a research lab. The entire campus is provided 24/7 continuous, uninterrupted power supply through EB HT supply and two Diesel power generators as backup.

Dedicated medical facilities with qualified doctors, nurses and the Institution's ambulances are made available within the campus on a 24/7 basis.

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)

3240.94

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

4.2 - Library as a Learning Resource

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

Library Automation:

The library has been automated with Nirmal software since 1997. In 2017, a Web version of AutoLib Integrated Library Management System (ILMS) software was installed and automated.

The AutoLib – (ILMS) software has the following 20 modules, which will satisfy the needs of the stakeholders for effective library management:

1. **Database Creation and Maintenance (Cataloguing)**
2. **Member Master**
3. **Counter Transactions (Circulation)**
4. **Search (OPAC) - Simple Search Module**
5. **Advanced Search Module**
6. **Report Management (MIS Reports)**
7. **E-resources Linking**
8. **News Paper Clippings**
9. **Stock Verification**
10. **System Administration/ Management**
11. **Online User E-Gate Register in Library**
12. **Book Order/ Indent Processing**
13. **Journal Issues Management**
14. **Article Indexing and Abstracting**
15. **Question Banks**
16. **Binding Management**
17. **Data Import**
18. **Bulk Counter**
19. **Query Builder cum Report Generator**
20. **User Request Service**

Digitization:

The library has a digitization facility using DSpace digital library software. Soft copies of institutional repositories are

`added to this portal for user reference.`

`The library has annual subscriptions for e-journals (IEEE, ASME, ASCE, J-Gate), e-books (Proquest, Pearson, McGraw Hill) and databases such as Elsevier/ Scopus and Web of Science. It is an e-ShodhSindhu, Shodhganga and National Digital Library of India (NDLI) member.`

`Further, books and journals will be procured for the students, faculty and researchers based on their request through interlibrary loans like DELNET and the British Council Library. The Library has a massive collection of 1,05,518 printed books, 70,000 e-books and millions of e-journals, and a facility to access NPTEL lectures.`

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

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)

`115.88`

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

`3890`

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

248

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

The Board of Management of Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Vel Tech) has approved an IT policy which establishes the approaches and responsibilities for protecting the confidentiality, integrity, and availability of the information assets that are accessed, created, managed and legally controlled by the Institution.

The budget is allocated at the start of every academic year, and for the past five years, INR 14.36 Crore was spent on IT infrastructure facilities. The internet bandwidth has increased from 1000 Mbps to 3000 Mbps for the past five years, and around two Crore is spent every year for the Internet Leased Line of JIO and M/s Techne online services against the rental charges of the Wi-Fi devices.

The Institution has well-established computer labs with Internet for students and staff. All the departments and administrative offices are provided with facilities such as Laptops, Printers and Scanners. The classrooms and seminar halls have LCD projectors to disseminate knowledge effectively. Uninterrupted power supply is available in all labs and offices.

V-learn software automates the day-to-day academic activities and establishes a smooth flow of information between the students and faculty.

All hostel students can use the free Wi-Fi facility at their hostels only for academic purposes. However, Vel Tech ensures a minimum of 98% network availability except during natural calamity/disaster times. Free SIM cards are given to all administrative officers of the Institution.

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
11119	**2524**

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	[View File](#)

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

46,77,49,066

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	**No File Uploaded**

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.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has a wide range of buildings, classrooms, laboratories, playgrounds, dining halls and other common amenities. A separate section named as Admin and Maintenance (A&M) section is available under the control of a Professor designated as Head (A&M).

The M&S section will solve the minor maintenance issues within one hour to two days and will solve the major maintenance issues within one week to fifteen days.

Scope of the M&S section:

- **Ensures the maintenance of Institution buildings, infrastructure, electrical, plumbing, air conditioning, Sewage Treatment Plant, RO water plants, guest house and common areas.**
- **Ensures to keep the classrooms, laboratories, faculty cabin, non-academic areas like gyms, rest rooms, auditorium, cafeteria, and play grounds clean and hygiene.**
- **Disposes the waste materials in proper ways that are collected from various places.**
- **Renovation, interior painting, mechanical & civil works and repair of furniture & water lines are also their part of services.**
- **Maintains a complaint register for the complainant to enter the type of faults so that the M&S section will resolve all the issues in a timely basis.**
- **Annual maintenance contract is executed with the authorised vendors for UPS, Generators, Turnstile gates, CCTV camera systems, passenger lifts, etc.**

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)

4070

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

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

1367

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

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	• **All of the above**

policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	

File Description	Documents
Upload relevant supporting document	[View File](#)

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

`162`

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

`1469`

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

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

`285`

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

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

15

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 Student Council of the Institution plays a crucial role in enhancing the overall student experience and fostering a sense of empowerment by offering a chance to be represented in decision-making, academic matters, and administrative committees. This experience helps to develop leadership abilities, enriches students' lives, propels towards excellence, and enhancethe academic atmosphere. The insights and recommendations provided by student coordinators areesteemed in shaping policies related to student activities.

The Anti-Ragging Central Committee(ARCC) works to prevent and ban ragging on and off campus.The Sensitization, Prevention, and Redressal of Sexual Harassment Committee address all forms of discrimination against female students,promotes gender awareness and eradicate sexual harassment.Vel Tech includes the Literary, Music, Creative arts, Dramatics, Photography&short film shooting, and Classical dance clubs.The Institute encourages students to join National Cadet Corps(NCC) to cultivate leadership, character, camaraderie, sportsmanship, and spirit-of-service.The National Service Scheme(NSS) provides the students opportunity to participate in social service activities.

The Institution implements the Swachh Bharat and Unnat Bharat Abhiyan(UBA) schemes by organizing regular cleanliness drives on and around campus, andadoptsno.of villagesascommunityactivity.Student Amenities and Hostel Committee assess the quality and hygiene of food and gather feedback from students.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

17

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

Vel Tech Alumni Association is registered under the Tamil Nadu Registration of Societies Act with Registration no. 374 of 2014 dated 21st July 2014.

The institution values building and sustaining connections with its alumni from all over the world and serves as a link between alums, present students, and the alma mater. Vel Tech graduates are dynamic, holding prestigious jobs across the globe and demonstrating their talent in a variety of sectors, including management, science, and technology. The institution is having 22,708 Alumni,31 chapters with22national and 09 international chapters in countries like Singapore, France, Germany etc.During the academic year 2022-23,04 national chapters, 03 international chapters and 36 interaction programmes were organised.

Vel Tech alumni are involved as members ofInternal Quality Assurance Cell (IQAC) and Board of Studies.Vel Tech alumni who are currently employed by multinational corporations(MNCs)impart their professional and personal knowledge and experience to thepresent students.Thealumni network helps students to choose the right subjects, prepare for their target college/university for higher studies, and guide them about the career streams.Alumni who are employed in cutting-edge technologies and sciences offer suggestions and feedback in curriculum revision and introducing new courses.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

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

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

The governance activities of the institution are clearly reflected in the Vision and Mission statements of the institute. The Vision and Mission statements are:

Vision

"To create, translate and disseminate frontiers of knowledge embedded with creativity and innovation for a positive transformation of the emerging society."

Mission

"To nurture excellence in teaching, learning, creativity and research; translate knowledge into practice; foster multidisciplinary research across science, medicine, engineering, technology, and humanities; incubate entrepreneurship; instill integrity and honor; inculcate scholarly leadership towards global competence and growth beyond self in a serene, inclusive and free academic environment."

These statements, approved by the Board of Management have developed a conducive, committed educational and work environment for teaching, learning, innovation, and research and set targets for various phases of advancement.

Academic governance of the Institute guarantees that academic goals are executed efficiently to meet Industry and Institution

needs. The hallmark academic governance actions are: CBCS and CDIO frameworks, Innovations through funded research projects, and quality publications, Centre of Excellence in emerging areas, etc. Further, the administration of the institute ensures transparency and provides better systems of governance. In all decision-making, a participatory style of management is practiced.

File Description	Documents
Upload relevant supporting document	View File

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

All Institute activities are decentralized and participatory. Registrar, CoE, Deans, and HoDs have distinct duties and responsibilities according to the institution's bylaws.

Participative Management

The Institute promotes a culture of participative management by involving all the faculty, staff, and students in various activities.

Case Study 1: Budget Preparation

- Upon getting the circular to prepareannual budget, the Deans will meet with department Heads to discuss budget planning.
- The Department/Section Head will convene a meeting withfacultyto review budgetrequirements.
- Faculty can submit lab and classroom budgets.
- The Registrar will submit academic and administrative budgets for assessment by the Vice-Chancellor.
- The proposed budget will be submitted to the Finance Committee for approval by the Finance Officer.
- The Board of Management will approve the recommended budget.

Case Study 2: Design of Curriculum and Syllabus

The support system, including committees and cells, was established to execute program curriculum, implementation, and improve POs/PEOsattainment. The Chief Administrator leads the Department, while the Program Coordinator oversees committee

and cell operations. The various committees are the Program Advisory Committee, and Module/Course Coordinators. After Board of Studiesand Academic Council approval,the curriculum, handbooks with complete syllabi are prepared and given to students and faculty.

File Description	Documents
Upload relevant supporting document	[View File]()

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The strategic perspectives describe the initiatives of the institution to effectively deal with dynamically varying functionalities associated with the fields of engineering, science, media and management. Keeping the vision and mission of the Institute, the five year Strategic Plan was prepared for the enhancement in Teaching Learning with introduction of new programmes in different domains and excellence in Research, Innovation and Entrepreneurship by faculty and students.

The vision document is prepared to articulate short-term and long-term plans that are conceived for achieving "growth driven excellence". The focus is to facilitate and promote critical intellectual engagement with novel thoughts, expressions and action plans that paves way to academic leadership.

Transformational changes that have typified teaching and learning methodologies alongside of upsurge in e-learning training models, have caused overhauling of academic programs in most disciplines. The primary intent is to delineate the vital efforts and constituents that can together create an eco-system that resonate with academic leadership needs.

The proposed highest priority is to attract top quality students and faculty members both nationally and internationally. It also extends to enhance the faculty excellence with special emphasis given to promoting and recognizing excellence and leadership in research, leadership, creativity and graduate education.

File Description	Documents
Upload relevant supporting document	[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.

A well-defined organizational hierarchical structure in order to process and incorporate good governance with a set of policies and guidelines for various activities involved in the areas of Academic, Administration, Financial, Admissions, Research, Consultancy, Auditing, etc.

Administrative Setup

The Board of Management (BoM), chaired by the Vice Chancellor, is the institution's top authority. Institutional BoM is independent of sponsoring body and wants complete academic and administrative autonomy.The sponsoring body appoints the institute's Chancellor, who oversees the initiatives taken to fulfill the institution's vision and mission.

- The Vice Chancellor is appointed by the BoM-approved Search-Cum-Selection Committee under UGC norms. The Vice Chancellor oversees the activities of the institution.
- The Registrar is the institute's administrative leader and ex-officio Secretary of the BoM, Academic Council, and Planning and Monitoring Board. The Registrar oversees all administrative tasks.
- The Controller of Examinations is a statutory officer who is responsible for the conduct of examinations and publication of results.
- Annual budget estimates and statements of accounts are prepared by the Finance Officer for submission tothe Finance Committee and BoM.The academic structure comprises the Deans of seven schools, followed by the Heads of the various departments and the faculty members of the departments.

File Description	Documents
Upload relevant supporting document	[View File](#)

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	A. All of the above

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

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

The institution has a well-established system of appraisal, promotion, and effective welfare measures for both teaching and non-teaching staff members.

Teaching Faculty

The institution adopts a self-appraisal system for reviewing the performance of faculty, based on the UGC-provided Academic Performance Indicator.

Non-Teaching Staff

The performance appraisal includes a confidential report by the reporting officer/ HoD/ Dean, which would be scrutinized by the HR Head and the Registrar. The final approval would be granted by the Vice Chancellor.

EFFECTIVE WELFARE MEASURES

- Various categories of leave including Casual, Earned, Medical, Maternity, Special, and Study Leave
- Social security benefits viz., Gratuity, EPF, Group Health Insurance, etc.,
- ESI facility for non-teaching staff
- Quarters at subsidized tariff for the Faculty
- Bank, ATM, Canteen, Free In- house medical and Ambulance Facilities
- Faculty Recreation Club
- Summer and Winter vacations for eligible members
- Mother's Fund Contribution
- Recurring Deposit Contribution

- **Registration Fee, TA/DA for attending conferences and presenting projects to Funding Agencies**
- **Revenue Sharing in consultancy projects**
- **Reimbursement of IPR Filing Charges**
- **Rewards for Best Teaching, Best Research, and Life Time Achievement**
- **Interest-free advance of two months salary and loan on EMI basis from social welfare fund**

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

146

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

26

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)

441

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

```
Vel Tech, a self-financing institution, relies on student fees
as its primary source of revenue. To meet research and teaching-
learning needs, the institution mobilizes resources also
through:

   1.  Funded research projects
   2.  Revenue through Consultancy
   3.  Industry-Linked Laboratories and Centers of Excellence
   4.  Financial support by the alumni

Further, additional funds are raised from:

   1.  Fees collected by organizing the FDP, conferences,
       workshops, etc.
   2.  Leasing out the infrastructure facilities
   3.  The funds are generated as a result of interest accrued
       and overhead charges from the research fund.
   4.  Hostel fees.

Optimum Utilization of funds

   1.  Induction and orientation programs, workshops, inter-
       disciplinary activities, training programs, refresher
       courses, FDPs, Conferences, Industry Academia exchanges,
       and teaching-learning practices are prioritized to
       provide a high-quality education.
   2.  The internal audit committee evaluates the need,and
       optimizes fundusage before recommending approval.
   3.  To lower buying expenses, the internal purchase committee
       negotiates with suppliers and vendors.
   4.  Budget covers daily operational, administrative, and
       fixed asset upkeep.
   5.  Lab facilities are being upgraded with funds to improve
       research facilities at the institution.
   6.  Minimize electricity, water, and energy usage by
       installing appropriate checkpoints to save funds.
   7.  The institution installs solar plants to save electricity
```

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

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)

22

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

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	View File
Upload relevant supporting document	No File Uploaded

6.4.4 - Institution conducts internal and external financial audits regularly

INTERNAL AUDIT The institution conducts internal and external financial audits periodically. Internal audits by chartered accountants ensure that all financial transactions follow management rules. Auditor reviews the following:

- Admission Process Review
- Scrutiny of the application process, short listing process, fee norms, and merit scholarships offered
- Payroll Review
- Reviewing the recruitment process, the induction process, Training of newly appointed staff and performance appraisal of teaching and non-teaching staff
- Procurement
- Review of operating expenses, vendor selection process, purchase order processing, advance cash accounts, goods receipts, and invoice verification
- Fixed Asset Management
- Annual stock verification, asset records, depreciation charges, and CAPEX
- Financial Accounting
- Review of payable accounts, receivable accounts, general ledger records, cash, and bank

- **Balances and Financial Statements of the Year**
- **Revenue Recognition**
- **Verification of various fee receipt categories, including tuition fees, examination fees, transport fees, hostel fees, and other incomes**
- **Statutory Compliance**
- **Verifying mandatory contributions like PF and gratuity, Mediclaim remittances, GST, and payment as per labor laws**

EXTERNAL AUDIT The external audit is carried out by the statutory auditor. Statutory auditors audit and certify the Institute's consolidated annual financial statement of accounts. The audited account statement is placed before the Finance Committee and then the Board of Management for approval.

File Description	Documents
Upload relevant supporting document	[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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The various quality parameters pertaining to academic and administrative levels is decentralized among the corresponding Deans and Heads of the Department to monitor the incremental improvement made during the year. The Vice-Chancellor will review twice in a year about the progress in the quality parameters. This parameters are designed keeping in view of various International and National Rankings like Times Higher Eduction (THE) Rankings, QS Rankings, Accreditations like NAAC and NBA, and National Recognitions.

File Description	Documents
Upload relevant supporting document	[View File](#)

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	**A. Any 5 or all of the above**

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)

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

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)

Publications (January 2024) Scopus:7,971 Web of Science:3,222

h-index(January 2024) Scopus:121 Web of Science:72

Citations(January 2024) Scopus:68,075 Web of Science:28,963

Patent(s):As on January 2024, 200 Filed in which 50 were granted & 133 published

Funded Project(s):As on January, 92 projects worth Rs. 67.57 Crore which includes International collaborations

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

The institution has taken several gender equity initiatives and as a result, 35% of women are employed inour campus. Approximately 15 % of the total students are females. The Institution takes utmost care in the areas of safety, security, counseling, common rooms represented bythe following initiatives.

INITIATIVES

- The IEEE women Engineering unit of Vel Tech monitors various programs and initiatives takenwith regards to women empowerment and welfare activities
- To ensure gender equity in all academic and co-curricular activities, the Institution organizes thefollowing type of co-curricular activities
- Women Employability Program
- Special workshops for women faculty to enhance their teaching skills
- Women Hygiene: A grooming seminar for girl students
- Woman's Day Celebration
- Mother's Day Celebration
- Soft Skill training programs
- Guest Talk sessions on Women Empowerment
- Sports meet exclusively for Women
- Health Awareness campaigns for Women
- Financial Literacy Program for Women

File Description	Documents
Upload relevant supporting document	[View File]()
Annual gender sensitization action plan(s)	https://www.veltech.edu.in/AQAR/2022-23/C7/Gender_sensitization_action_plan(s).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	https://www.veltech.edu.in/AQAR/2022-23/C7/7.1.1

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	**No File Uploaded**

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid

waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institute is committed to following sustainable practices in order to build and maintain a green campus and to adopt zero waste discharge.

SOLID WASTE MANAGEMENT (SWM)

- Campus waste is segregated into organic, recyclable, and reusable forms.
- Waste is processed according to SWM management practices at the waste processing yard.
- Recyclable waste is disposed of through vendors as needed.
- Biodegradable waste is composted and used for gardening.

LIQUID WASTE MANAGEMENT

- The Institution has 7 1000/500 KLD Sewage Treatment Plants (STP).
- Wastewater is treated to eliminate impurities so it can be reused.
- The treatment system is preliminary, primary, and secondary. The Eco-Bio Bricks assist bacteria connect to the treatment system and remove organic compounds from wastewater.
- STP isregularly maintained. Treated water is used for landscaping and flushing purposes.

E-WASTE MANAGEMENT

- Disposal of electronic waste includes TVs, monitors, printers, scanners, keyboards, mouses, phones, fax machines, cables, memory chips, motherboards, compact discs, cartridges, and hazardous e-waste to authorized vendors with a certificate of destruction.
- The institution prevents the disposal of e-waste along with the other solid wastes generated.

OTHER ENVIRONMENT-CONSCIOUS INITIATIVES

- Bio-medical waste management
- Rainwater harvesting system to save water
- Divyangjan Friendly Campus
- Plastic-Free Campus

- **Paperless Office**
- **Pedestrian Friendly roads**
- **Green Landscaping**

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	**A. Any 4 or all of the above**

3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

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.	**B. Any 3 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)

1.The NSS and the Unnat Bharat Abhiyan (UBA) Cell of this Institution are working together withthe people of rural India in identifying development challenges and evolving appropriate solutions. 2.The teams of the student volunteers from NSS and UBA are constantly having touch with thenearby villages Morai, Vellanur, Veerapuram, Kollumedu undertaking the rural development workssuch as cleaning the footpath / roads leading to the villages under the rural communityenhancement and development scheme. 3.The honourable Founder and Chairman, a philanthropist always think in the positive ways topromote the welfare of the people in the village and eradication of their poverty by all possiblemeans. Essential Medicines, clothes and food are distributed to them through the NSS wing. 4.Most of the administrative employees of this Institution are from the

nearby villages and theInstitution, not only takes care of them but also their wards to give better education by providingadmissions to their children in the schools run by the management. 5.The SC/ST cell takes care of enhancing the diversity among the students, teaching and non-teaching staff population and at the same time elimination the perception of discrimination.

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:

- The institute in its nascent stages of inception had envisioned contributing to Nation Development, mainly by 1)Advancement of technology of scientific and industry of our country and 2) Enrichingthe knowledge of the vast human capital of our country by Teaching and Learning on par withexcellence.
- The institute involves and trains students and faculty and makes them participate in NationalSchemes like Swachh Bharat and International Yoga Day. Also, the institution contributes toRenewable Energy Sources and E- waste management.
- The institute promotes education through critical comparison, development of systems withunderstanding of personal, social, and professional responsibility, and as indispensable access to allsegments of society.
- The institute provides an unparalleled opportunity for an all round development, well-proportionededucation for effective living and for citizenship. The institute works with innovation towardsnational aspirations and contemporary developments and needs and yet maintains a balancedmultidisciplinary approach.
- The institute interfaces with society through extramural, extension and field research relatedprogrammes with academic excellence.
- The institution is also involved in collaborative activities with International research institutes anduniversities which is strong indication of the institution's contribution to nation building.

The glimpses of the sensitization activities of the institution to xonstitutional obligations are providedin the following link

(https://www.veltech.edu.in/AQAR/2022-23/C7/7.1.9/)

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

The Matribhasha Diwas is celebrated every yearon 22nd February, – a Day dedicated to promoting awareness of Linguistic and CulturalDiversity and Multilingualism. The Constitution Day, also known as 'Samvidhan Divas', is celebrated on 26thNovember every year to commemorate the adoption of the Constitution of India. The Independence Day & Republic Day celebrations are conducted in the traditional way, in which, theStudent Toppers from UG & PG will hoist and unfurl the national flag respectively. Teacher's day - 5th September: Teachers' Day is a special day for the appreciation of teachers, and mayinclude celebrations to honour them for their special contributions in a particular field area, or thecommunity. Engineers day - 15th September: The institute conducts Engineers' day celebrations every year on 15thSeptember i.e., Sir Mokshagundam Visvesvaraya birth anniversary. National Sports Day: It is celebrated on 29th August every year to commemorate the birthday of Indianhockey legend Major Dhyan Chand. The festivals like Diwali, Christmas, Ramzan, Pongal, Onam, Ugadi, Dussehra, GaneshChaturthi, and Holi have been organizedin true spirit and with the participation of students and staff members.

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 - "Exploring Boundless Horizons: Uniting Minds, Shaping Futures" Global Gateway to Academic Excellence

The relevant document for the best practice that was successfully implemented by the Institution for the academic year 2022-23 as per the format is available in the following link "https://www.veltech.edu.in/AQAR/2022-23/C7/Internationalization.pdf".

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)

Incubate Entrepreneurship

After the immediate recognition as Deemed to be University, oneof the priorities of this institute is to inspire, engage and drive entrepreneurship skills among the students,faculty members and staff of the Institute.In line with the institutional mission and national priority, the institution established the TechnologyBusiness Incubator in the year 2010 with a view of promoting entrepreneurship to bring the campus bornventures. Vel Tech Technology Incubator is an institutional mechanism which is dedicated to supportentrepreneurship, promoting new technological business ideas to become a growth-oriented startup.

It supports startups by providing free incubation space with internet connection, mentoring support andnetworking support. The other strategic partner offerings are from Google Cloud credits, Amazon credits,ZOHO Apps for business, RBL/BOB/DBS bank account, Paytm, Resileo Labs, YNOS venture engine, Effitrac, Stanford Seed Spark, Wadhwani Foundation, Math works, Sri Ramachandra Hospital, KauveryHospital. It offers facility support such as ManufacturingCoE, E-Waste recycling, 3D Printing, PCB Line of Equipment,and Financial Seed Support.Vel Tech Technology Incubator has been selected as "NIDHI - Centre of Excellence" catalyzed andsupported by NSTEDB Division, Department of Science and Technology (DST), GOI with fundingsupport to scale up its activities.

7.3.2 - Plan of action for the next academic year
To improve the International and National Rankings   **To get accreditation for the eligible Undergraduate Engineering Programs**   **To improve the perception of the institution**   **To organise the sponsored Faculty Development Programs for the benefit of Faculty**   **To increase the Sponsored Research and Consultancy works**   **To improve the Core Placements for the students**   **To improve the Internationalization with inbound and outbound activities**