



YEARLY STATUS REPORT - 2023-2024

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/2025/01/AQAR-2022_23_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/AcademicCalendar-2023-24.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 1825	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	
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 			View File	

9.No. of IQAC meetings held during the year	3	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">(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	
<ul style="list-style-type: none">If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
Recognized as Category-1 Deemed to be University by the University Grants Commission (UGC). Received the status of 12B from UGC which provides the opportunity to receive more research grants.		
Ranked 86th under 'Engineering' category, Ranked 96th under 'University' category and band '151-200' under 'Overall' category in NIRF India Rankings 2024. Stands in Top hundred in a row of Eight years in NIRF India Rankings under Engineering category from 2017 to 2024. Ranked in the Band '11-50' in 'Innovation' category in NIRF India Rankings 2024.		
According to Times Higher Education (THE) World University Rankings 2024, the institution has been ranked in the Band 1201 to 1500, and 1001+ in "Engineering" Category, ranked in the band 501 - 600 by THE Young University Rankings 2024 and band 501 - 600 by THE Asia University Rankings 2024. According to Times Higher Education (THE) Impact Rankings 2024, the institution has been ranked in the Band 401 - 600 in SDG 6: Clean water and sanitation, Band 401 - 600 in SDG 9: Industry, Innovation and Infrastructure, and Band 401 - 600 in SDG 12: Responsible Consumption and Production, Band 1001 - 1500 in SDG 17: Partnership for the goals & Band 1001 - 1500 in the world in Overall category.		
The Institution of Engineers (India) has recognized the institution with Engineering Education Excellence Award 2023. Vel Tech University was awarded "ISTE National Award for Best Technical		

University for 2023" in the 53rd ISTE national annual convention, in recognition of encouraging Technical Universities to enhance the performance and to serve the community and stakeholders by improving the quality and maintaining standards of the programs offered.

Submitted the Self Assessment Report (SAR) to Nation Board of Accreditation (NBA) for UG - Biotechnology and PG - Master of Business Administration programmes. Submitted the Institutional Information to All India Survey on Higher Education (AISHE) for the Academic Year 2022-23 on 19.03.2024. The targets for the quality parameters for various schools/departments for the Academic Year 2023-24 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 increase the number of scopus indexed research publications per faculty	The number of research publication indexed in scopus increased from 1192 in the year 2022 to 1660 in the year 2023
To increase quality research publications by providing incentive to faculty	As per the incentive policy of the institution, incentive of Rs. 104.1 Lakh was provided to the faculty to promote research culture.
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 96th Rank in University 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)
Executive Council	28/12/2024

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it

No

to Assess the functioning?	
15. Whether institutional data submitted to AISHE	
Year	Date of Submission
2022-23	19/03/2024
16. Multidisciplinary / interdisciplinary	
<p>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 •</p> <p>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. •</p> <p>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</p>	

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, Ewaste 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 teachinglearning 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	11888
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	2318
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	View File
2.3	11661
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	View File
2.4	45
Number of revaluation applications during the year	
3.Academic	
3.1	1194
Number of courses in all Programmes during the year	
File Description	Documents
Data Template	View File

3.2	761
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.3	764
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	126252
Number of eligible applications received for admissions to all the Programmes during the year	
File Description	Documents
Data Template	View File
4.2	1737
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
4.3	248
Total number of classrooms and seminar halls	
4.4	2575
Total number of computers in the campus for academic purpose	
4.5	9723.69
Total expenditure excluding salary during the year (INR in lakhs)	
Part B	

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which 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 is introduced in 2015-16. The minor degree and other salient features of NEP is introduced from 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 initiative from 2017-18. All these educational and pedagogical reforms are benchmarked with top institutes globally as well as understanding the policies and frameworks of AICTE, UGE, NEP and NBA guidelines.

Departments referring government policies, subsidiary plans, influencing reports and collecting feedbacks from various stakeholders. Stakeholder's views, government policies, trends and insights are analysed and discussed periodically in different meetings (Department meetings, BoS, ACM and BOM). This entire framework helps the departments to identify and integrate these requirements into course outcomes and align them with POs & PSOs with harmony 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 teaching learning process. Industry and International relations keeps the community vibrant by arranging 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

25

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

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/

skill development offered by the University during the year

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

1194

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

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

608

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

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	View File

1.3 - Curriculum Enrichment

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

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 (CBCS) framework consists of foundation courses that give flexibility to students to take courses across disciplines, providing inclusive educational experiences. Foundation courses include subjects such as Engineers and Society, Universal Human Values, The Constitution of India,

Environmental Studies, Design Thinking, Introduction to Engineering, and Innovation and Entrepreneurship as part of the coursework.

The framework enables departments to integrate courses relevant to cross-cutting issues, which are embedded in the process of building an inclusive society for all. Departments offer topics related to professional practices and standards relevant to the domain. These practices help students understand the correlation between technology, arts, and science, along with the impact of the solutions on the emerging society at large. They also prepare students to become successful human beings, embedded with both technology and science.

Departments addresses these topics in-depth through curriculum and activities. Vel Tech also pays special attention to gender-related topics via the SPARSH committee. This committee conducts events and sensitization programs on gender equality and awareness as part of 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

85

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

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

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

15184

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

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

4280

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

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

3510

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

2188

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 students and organises special Programmes for advanced learners and slow learners

In a diverse classroom, students exhibit varied learning abilities, making it crucial to identify their learning levels. This ensures tailored support for both fast and slow learners, fostering a nurturing environment for continuous growth, engagement, and achievement.

Identification Process: The classification of students into fast and slow learners begins after the declaration of the previous semester-end (SE) examination results and the current semester's Continuous Evaluation Test (CE) 1. The criteria include:

1. Performance in CE-1: 50%
2. Previous SE performance: 40%
3. Faculty observations: 10%

Students scoring 60% or more are categorized as fast learners, while those scoring below 50% are identified as slow learners.

Support for Slow Learners: Remedial classes are held after regular hours, employing diverse teaching methods to help students tackle past exam questions. Faculty mentors and senior department members offer guidance, monitor progress, and recommend additional resources to strengthen understanding.

Support for Fast Learners: Fast learners are encouraged to participate in competitions like AICTE Vishwakarma Awards and Smart India Hackathon. They receive guidance to publish research, prepare for higher studies (GATE, GRE), and gain industry exposure through internships and training programs.

This approach ensures holistic academic development tailored to individual learning needs.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://www.veltech.edu.in/AQAR/2023-24/C2/2.2.1/

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
11888	761

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

In modern education, there is a noticeable shift towards student-centric methods, emphasizing active learner engagement and ownership of the educational process. Unlike traditional approaches that rely heavily on passive listening, student-centric techniques like experiential learning, participative learning, and problem-solving methodologies foster deeper understanding while enhancing critical thinking, collaboration, and practical skills.

Since the academic year 2012-13, the Institute has adopted a student-centric approach to teaching and learning. Students across programs actively engage in experiential learning, which promotes "learning by doing" through hands-on experiences. This approach not only helps students retain concepts better but also equips them with the skills to handle real-world challenges. Participative learning methods further transform students from passive listeners to active contributors by encouraging discussion, interaction, and collaboration. Techniques such as case studies, role-playing, brainstorming, and peer-to-peer learning develop critical thinking and teamwork.

Problem-solving methodologies emphasize analytical and critical thinking, engaging students in real or simulated problem-solving scenarios. Activities like seminars, event coordination, field

trips, and filmmaking projects enhance teamwork, communication, and managerial skills. Project-Based Learning (PBL) is integrated across courses, enabling students to tackle open-ended, real-world problems. This approach prioritizes practical experience and the application of concepts, fostering well-rounded, capable learners.

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 promotes the extensive use of Information and Communication Technology (ICT) tools to revolutionize traditional teaching methods and create engaging, interactive, and efficient learning environments. All classrooms and seminar halls are equipped with LCD projectors, screens, and interactive smart boards. Internet facilities, including LAN and Wi-Fi, are accessible in all learning spaces with sufficient bandwidth.

Teachers utilize ICT-enabled tools such as interactive whiteboards, multimedia presentations, and simulation software to simplify complex concepts through dynamic content, visuals, and animations. Gamified activities like quizzes and interactive exercises foster active student participation and reinforce learning. Platforms like Google Classroom and Microsoft Teams enable seamless resource sharing, collaboration, and real-time peer feedback.

The institute's digital library, equipped with internet and computers, supports e-learning with resources like NPTEL, MIT OpenCourseWare, e-books, and e-journals. Faculty employ online tools, virtual labs, and demonstration software to enhance instruction. The Learning Management System (LMS) aids lesson customization, assessment, and student management, while the EDUSAT live broadcast facility allows expert lectures. This integration of technology ensures an enriched educational experience, bridging the gap between students and faculty through interactive and resourceful learning avenues.

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

633

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

761

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

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

503

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

3232

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

275

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

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

12

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

12

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

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

45

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

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has effectively implemented an Outcome-Based Education (OBE) framework, ensuring its integration in academics. Since introducing the Choice-Based Credit System (CBCS) in 2015, the institution has aligned assessments with learning outcomes. Rubrics are used for consistent evaluation of laboratory and project work.

A computerized examination management system automates processes like seat allocation, hall ticket printing, performance tracking,

and results declaration. End-semester examination schedules are published in the academic calendar and strictly followed. Results are declared within 15 days for UG and 21 days for PG programs. External examiners from reputed institutions, alongside internal faculty, are involved in question paper setting and evaluation. To enhance transparency, students can access photocopies of evaluated answer scripts and opt for re-evaluation or challenge evaluation. The institution is also a member of the National Academic Depository.

Around 50% of question papers are designed by external experts, adhering to Bloom's Taxonomy and course outcomes. Credit transfer is permitted for courses completed abroad or through SWAYAM-NPTEL. On-demand exams are available for students with one pending course required for degree completion. Secure evaluation procedures include dummy numbering, OCR scanning, and double-checking of marks. Answer booklets feature advanced security elements such as watermarks and MICR coding.

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

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology emphasizes enhancing educational quality through Outcome-Based Education (OBE). By defining and implementing Program Outcomes (POs) and Program Specific Outcomes (PSOs) in alignment with Program Educational Objectives (PEOs) and the Institute's mission, the institution ensures that stakeholder needs are addressed

systematically.

Each program incorporates POs and two or three PSOs, focusing on student learning outcomes. These outcomes encompass the knowledge, skills, and attitudes students are expected to acquire. Course Outcomes (COs), framed using Bloom's Taxonomy, directly contribute to the attainment of POs and PSOs. A robust mechanism maps COs with POs and PSOs, ensuring alignment and effectiveness.

To ensure accessibility, POs and PSOs are displayed on department websites, curriculum books, notice boards, and department corridors. Dissemination is tailored to stakeholders: parents are informed during admission, students are oriented during induction and course introductions, faculty learn through senior faculty and orientation programs, and alumni and employers are informed during surveys. Course and faculty orientation programs further reinforce awareness.

This systematic approach fosters a holistic educational environment, ensuring all stakeholders are aligned with the institution's mission to produce competent, well-rounded graduates.

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

Assessment and Evaluation Process for Academic Programs

Quality assurance activities include the regular assessment and evaluation of academic programs, conducted each semester. Faculty members set Course Outcomes (COs) for their courses and calculate CO attainment levels using Continuous Internal Assessments and Semester-End Examinations. Based on these attainment levels, necessary course improvements are planned for the next semester. The attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) is derived from the CO attainment, helping to gauge students' learning levels and drive continuous program improvement. Additionally, indirect surveys are conducted to gather feedback on POs and PSOs attainment from various stakeholders.

Program Outcomes and Specific Outcomes Assessment Process

The institution employs a structured system for assessing POs and PSOs using two methods: Direct and Indirect Assessments. For each PO

and PSO, specific attainment levels are defined, with data from these assessments facilitating ongoing improvements.

Attainment Calculation

CO attainment levels (Low, Medium, High) are determined by course faculty and documented in Faculty Course Assessment Reports (FCAR). A consolidated report, the Cumulative Course Assessment Report (CCAR), is prepared by the course coordinator. POs and PSOs attainment is calculated using a weighted formula, combining 80% from direct assessments and 20% from indirect assessments. Recommendations for improvement are incorporated into subsequent course deliveries.

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

2126

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/2024/08/Inference_SSS.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 institute has established an 80,000 sq. ft. fully furnished facility dedicated to conducting both basic and applied research. To ensure its optimal functioning, the institute also allocates a

separate budget for the facility’s development and maintenance, periodically revising it based on feedback from academic and industry stakeholders.

Key Initiatives for Research Excellence

1. Publication Awards: Recognizing outstanding research with awards and financial incentives to encourage high-quality output.

2. Patent Support: Providing financial aid and expert legal assistance for seamless patent filing and innovation promotion.

3. Skill Development: Regular training in proposal writing, patent drafting, and academic publishing to enhance researcher capabilities.

4. Research Talks: Hosting renowned experts to share insights and inspire collaboration and innovation.

Research Policy Highlights

- Revenue Sharing: Up to 80:20 for consultancy projects.
- Special Leave: Paid duty leave and 15 additional special leaves for research activities.
- Sponsorship: Includes bank guarantees and support for PoC (Proof of Concept) development.
- Patent Incentives:
 - ₹10,000 for each published patent.
 - An additional ₹10,000 for granted patents.
- Technology Transfer: Guided process with revenue-sharing options.
- Sponsored Research Funds: 5% of total released funds allocated.
- Publication Support:
 - ₹5,000&₹10,000 for Scopus-indexed & SCI/WoS-indexed articles respectively.
 - An additional ₹10,000 for Q1 (WoS/SCI) publications.

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)
33.67

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

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

16

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

9

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

11

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)

1.99

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)

612.96

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

0.026

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

192

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

192

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

58

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

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

**3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards
Commendation and monetary incentive at a**

A. All of the above

**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	View File

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

102

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

79

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

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

947

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
8891	2666

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
32	17

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: (Rs. 69,22,100)
- Total Incentive Amount Provided to Faculty Members in FY 2022-23: (Rs. 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)

126.48

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	View File

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

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

13

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

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

15

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

1173

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

168

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

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

99

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)

3180.82

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

4.2 - Library as a Learning Resource

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

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	View File

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

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)

105.08

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

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

1130

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 on IT infrastructure facilities. The internet bandwidth has increased from 1000 Mbps to 3500 Mbps for the past five years, and around two Crores 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
11,888	2,575

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)	<ul style="list-style-type: none"> • ?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
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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

4331.22 Lakh

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

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

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)

2633

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

1205

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

139

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

1067

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

416

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

21

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 enhance the academic atmosphere. The insights and recommendations provided by student coordinators are esteemed 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, and adopts no. of villages as community activity. 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

16

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 Overview

The Vel Tech Alumni Association, registered under the Tamil Nadu Registration of Societies Act (Registration No. 374/2014), fosters

lifelong connections with its alumni network. Since its inception on July 21, 2014, the association has served as a bridge between graduates, students, and the alma mater. With 24,608 alumni excelling across diverse sectors globally, the association has established 39 chapters—27 national and 12 international—in countries like Singapore, USA, and France. Notably, 8 new chapters, including 3 international, were formed in the 2023-24 academic year.

Key Alumni Engagement Initiatives

Interaction and Mentorship: Programs facilitating alumni-student interactions cover career counseling, higher education, and competitive exams. In 2023-24 alone, 79 such programs enriched students’ learning. Alumni mentorship helps students develop skills and career readiness, with professionals from MNCs sharing their experiences.

Career Development: The alumni network aids students in choosing career paths, preparing for interviews, and excelling in recruitment processes.

Governance and Curriculum Contributions: Alumni actively contribute to governance bodies like IQAC and the Board of Studies, offering feedback that shapes curricula to include contemporary technologies like AI, IoT, and blockchain.

Scholarship Support: The Alumni Scholarship program, recognizing academic excellence and leadership, has supported five deserving students, reflecting the alumni community's dedication to nurturing talent.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs
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File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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

Vision

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

Mission

M1: To nurture excellence in teaching, learning, creativity and research, translate knowledge into practice

M2: To foster multidisciplinary research across science, medicine, engineering, technology and humanities

M3: To incubate entrepreneurship; instill integrity and honour

M4: To 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 prepare annual budget, the Deans will meet with department Heads to discuss budget planning.
- The Department/Section Head will convene a meeting with faculty to review budget requirements.
- Faculty can submit laboratory 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/PEOs attainment. The Chief Administrator leads the Department, while the Program Coordinator oversees committee and cell operations. The various committees are the Department Advisory Committee, and Module/Course Coordinators. After Board of Studies and 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 to the 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

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

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

275

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

34

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)

397

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 fund usage 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.

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)

4

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

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

0

File Description	Documents
Upload the data template	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 Education (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

A. Any 5 or all of the above

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)	
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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)

<p>Publications (Till 2023)</p> <ul style="list-style-type: none"> • Scopus:7,437 • Web of Science:3,078 <p>h-index(Till 2023)</p> <ul style="list-style-type: none"> • Scopus:123 • Web of Science:76 <p>Citations(2023)</p> <ul style="list-style-type: none"> • Scopus:79,263 • Web of Science:34,350

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 25% of the total students are females. The Institution takes utmostcare in the areas of safety, security, counseling, common rooms represented

by the following initiatives.

INITIATIVES:

- The IEEE women Engineering unit of Vel Tech monitors various programs and initiatives taken with regards to women empowerment and welfare activities
- To ensure gender equity in all academic and co-curricular activities, the Institution organizes the following 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/2023-24/C7/Constitution_SPARSH.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	Nil

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

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

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 Seven 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 is regularly maintained. Treated water is used for landscaping and flushing purposes.

E-WASTE MANAGEMENT

- Disposal of electronic waste includes TVs, monitors, printers, scanners, keyboards, mice, 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:

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	
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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
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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)

<p>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.</p> <p>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.</p> <p>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.</p>

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 the Institution, not only takes care of them but also their wards to give better education by providing admissions 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) Enriching the knowledge of the vast human capital of our country by Teaching and Learning on par with excellence. The institute involves and trains students and faculty and makes them participate in National Schemes like Swachh Bharat and International Yoga Day. Also, the institution contributes to Renewable Energy Sources and E- waste management.

The institute promotes education through critical comparison, development of systems with understanding of personal, social, and professional responsibility, and as indispensable access to all segments of society.

The institute provides an unparalleled opportunity for an all round development, well-proportioned education for effective living and for citizenship. The institute works with innovation towards national aspirations and contemporary developments and needs and yet maintains a balanced multidisciplinary approach.

The institute interfaces with society through extramural, extension and field research related programmes with academic excellence.

The institution is also involved in collaborative activities with International research institutes and universities which is strong indication of the institution's contribution to nation building.

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
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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 year on 22nd February, a Day dedicated to promoting awareness of Linguistic and Cultural Diversity and Multilingualism.
- The Constitution Day, also known as 'Samvidhan Divas', is celebrated on 26th November 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, the Student 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 may include celebrations to honour them for their special contributions in a particular field area, or the community.
- Engineers day - 15th September: The institute conducts Engineers' day celebrations every year on 15th September i.e., Sir Mokshagundam Visvesvaraya birth anniversary.
- National Sports Day: It is celebrated on 29th August every year to commemorate the birthday of Indian hockey legend Major Dhyan Chand.
- The festivals like Diwali, Christmas, Ramzan, Pongal, Onam, Ugadi, Dussehra, Ganesh Chaturthi, and Holi have been organized in 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 - Fostering Excellence in Research and Innovation

The relevant document for the best practice successfully implemented by the Institution for the academic year 2023-24, as per the format, is available at the following link:

<https://www.veltech.edu.in/AQAR/2023-24/C7/bestpractice.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)

Vel Tech Technology Business Incubator (Vel Tech TBI), supported by the National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Government of India, has been empowering entrepreneurs and startups for over 14 years. Its mission is to promote innovation and nurture startups through initiatives like NIDHI Centre of Excellence, NIDHI PRAYAS, MeitY TIDE 2.0, and the Startup India Seed Fund Scheme.

Vel Tech TBI has established six Centres of Excellence focused on manufacturing, PCB design, additive manufacturing, AI research, non-destructive testing (NDT), and autonomous systems (drones & UAVs). These centers provide critical support to innovators. The incubator has conducted over 500 programs, hosted 131 conferences, and trained over 15,000 individuals, working closely with 15 strategic partners.

Noteworthy achievements include supporting 346 startups, funding 172 of them, and collaborating with Amazon, Zoho, and Stanford's Spark Program. Since 2010, Vel Tech TBI has received ₹40 crore in funding and successfully implemented four government-backed programs.

Key milestones:

- 2010: Established with ₹5.26 crore funding, focusing on e-waste and plastic waste management.
- 2017: Became NIDHI Centre of Excellence with ₹23 crore support for startups.

- 2021: Secured ₹10 crore Startup India Seed Fund for startup investments.

7.3.2 - Plan of action for the next academic year

- Identify gaps through various accreditation and ranking criteria, and propose improvements along with a follow-up plan to address these gaps.
- Review action plan targets in alignment with quality parameters.
- Prepare for the NBA Expert Committee review for the B.Tech. in Biotechnology and MBA programs.
- Compile and submit the NBA Self-Assessment Report (SAR) to apply for accreditation as new application for four undergraduate engineering programs: Biomedical Engineering, Civil Engineering, Computer Science & Engineering, and Electronics & Communication Engineering.
- Prepare the NBA compliance report for two undergraduate engineering programs: Aeronautical Engineering and Mechanical Engineering.
- Engage in national and international rankings to achieve higher positions.
- Organize more number of capacity development programs.
- Implement strategies to enhance the institution's perception.
- Take measures to improve the quantity and quality of publications.
- Develop initiatives to secure more sponsored research and consultancy projects.
- Focus on improving placements, particularly in core sectors, and support students in pursuing higher studies.