



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	VEL TECH MULTI TECH DR .RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE
• Name of the Head of the institution	Dr.V.Rajamani
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04426841061
• Alternate phone No.	9789037652
• Mobile No. (Principal)	9789037652
• Registered e-mail ID (Principal)	principal@veltechmultitech.org
• Address	#42,Avadi,Vel Tech Road, Vel Nagar, Avadi, Chennai, Tamil Nadu.
• City/Town	Chennai
• State/UT	Tamil Nadu
• Pin Code	600062

2. Institutional status					
• Autonomous Status (Provide the date of conferment of Autonomy)		29/04/2019			
• Type of Institution		Co-education			
• Location		Semi-Urban			
• Financial Status		Self-financing			
• Name of the IQAC Co-ordinator/Director		Dr. Deepthi Joseph			
• Phone No.		04426841061			
• Mobile No:		9940380852			
• IQAC e-mail ID		iqac@veltechmultitech.org			
3. Website address (Web link of the AQAR (Previous Academic Year))		https://www.veltechmultitech.org/iqac/			
4. Was the Academic Calendar prepared for that year?		Yes			
• if yes, whether it is uploaded in the Institutional website Web link:		https://www.veltechmultitech.org/academic-schedule/			
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.49	2016	17/03/2016	16/03/2021
Cycle 2	A	3.49	2021	31/12/2021	31/12/2024
6. Date of Establishment of IQAC			01/06/2010		
7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School		Scheme	Funding Agency	Year of Award with Duration	Amount

Nil	Nil	Nil	Nil	Nil
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8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File
9.No. of IQAC meetings held during the year	4
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No

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

IQAC had planned for the development of the following five verticals, viz., • Academics • Research • Placement and Higher education • Innovation • Entrepreneurship Academics- IQAC had regularly monitored and audited the quality of academics delivered to the students through the quality of assessments that are periodically conducted. This, has resulted in achieving an overall pass percentage of 92% in the current academic year. Research- Faculty and students were constantly motivated to develop the culture of research in the institution through quality publications and patents. Constant monitoring from the IQAC has resulted in more than 200+ quality publications published in Scopus/WOS/SCI journals. Around 50+ Patents were filed in the current Academic year, in which 15 patents were published and 3 patents got granted in the current academic year. Placement and Higher education- IQAC worked continuously for the Skill and Career development of the students. Regular training on soft skills, communication skills and personality skills were provided to the students through external agencies which had developed the students knowledge in appearing for placements. In plant training, Internship and Internal training had always been inculcated for the students to excel in technical knowledge that would serve a great window for the students to excel in placements. Innovation - IQAC had continuously worked for disseminating the Design Thinking approach to cultivate the innovative skills to the students. This culture was initiated to the students through various workshops and capability building programs

organized through various industries with whom the institution had signed MOU. The innovative skills of the students had motivated them to participate in various challenges, competitions and contests such as Hackathon etc., Entrepreneurship - IQAC had enabled the students to participate in various Entrepreneurship awareness programs that helped to bring out the entrepreneurial traits of the students. As a result of it, 20+ students already developed new short scale ventures which are applied to MSME for generating funds to develop it further. Participation of the institution in NIRF, ARIIA, IIC and Clean smart campus Award are some of the quality initiatives of the institution in the Academic year.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Academics - To increase the pass percentage to 90% and above.	The Pass percentage of the students was 92% in the Academic year, 2020-21
Research - To increase quality publications and to focus on patents.	Achieved more than 200+ quality publications published in Scopus/WOS/SCI journals. Around 50 Patents were filed in which 15 were published and 3 got granted in the current academic year.
Placement & Higher Education - To increase the overall percentage of placement and higher studies.	The Overall Placement in the year, 2020-21 was 84% and around 10% of the students had progressed to higher studies which was higher than the previous years.
Innovation - To increase the participation of students in various innovative competitions and contests.	Around 50+ projects are developed by the students in the Academic year, which has been exhibited by the students in various competitions, contests and other arenas, the innovative skills of the students has been tremendously developed through the various initiatives taken by the Institution.
Entrepreneurship - To increase the entrepreneurial traits of the students by motivating through funding agencies.	20+ students have developed new short scale- ventures which are applied to MSME for generating funds to develop it further. The entrepreneurial traits of the students are increasingly developed through the various initiatives taken by the Institution.
Quality Initiatives - To participate in NIRF, ARIIA, IIC ETC.,	The Institution had participated in NIRF, ARIIA, IIC and Clean smart campus Award in the Academic year.

13. Was the AQAR placed before the statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <tr> <td>Name of the statutory body</td> <td>Date of meeting(s)</td> </tr> <tr> <td>Governing Body</td> <td>23/11/2020</td> </tr> </table>		Name of the statutory body	Date of meeting(s)	Governing Body	23/11/2020
Name of the statutory body	Date of meeting(s)				
Governing Body	23/11/2020				
14. Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					
<table border="1"> <tr> <td>Year</td> <td>Date of Submission</td> </tr> <tr> <td>2020-2021</td> <td>19/02/2020</td> </tr> </table>		Year	Date of Submission	2020-2021	19/02/2020
Year	Date of Submission				
2020-2021	19/02/2020				
15. Multidisciplinary / interdisciplinary					
<p>The institution offers undergraduate programmes in the following disciplines: Biomedical Engineering, Computer Science and Engineering, Electrical and Electronic Engineering, Electronics and Communication Engineering, Information Technology, Mechanical Engineering, Artificial Intelligence and Data Science, Computer Science and Business Systems and Robotics and Automation Engineering. The Department of Science and Humanities also offers programmes in Mathematics, Physics, Chemistry, English, and General Engineering.</p> <p>Vel Tech Multi Tech Dr Rangarajan Dr Sakunthala Engineering College is an Autonomous Institution affiliated to Anna University. The institution follows Choice Based Credit System for all the B.E. / B.Tech. Degree programmes. All the Programmes have a curriculum syllabi consisting of theory and practical courses. The courses can be separated into Humanities and Social Sciences (HS), Basic Sciences (BS), Engineering Sciences (ES), Professional Core (PC), Professional Elective (PE), Open Elective (OE), Mandatory Courses (MC), and Employability Enhancement Courses (EEC), which include Project Work and/or Industry Internship, Seminar, Case Study, Placement Training Courses, and Industrial/Practical Training.</p> <p>The institution aims to produce graduates with innovative thinking and passion for research to meet global challenges. In order to meet the industry and societal needs the institution has Innovation Club, that provides a common platform for interdisciplinary/multidisciplinary technical activities as well as opportunities to identify problems and provide engineering solutions. Various clubs namely Mathematics Club, English Club, Science and Innovation Club, Student Club, Entrepreneurship Development Cell, Higher Education Cell, Cultural Club and Yoga Club</p>					

are in existence and are very active in conducting various events throughout the year.

The institute has a research cell named Knowledge Resource Center where the under-graduates and the post graduate students are involved in creation of mini projects and products which is done under the supervision of faculty members who act as mentors in guiding the students more effectively and efficiently. The faculty mentors provide full support in converting the above projects/products to patent filing. The institution has till date filed 219 patents, of which 214 are published and 14 are granted.

16.Academic bank of credits (ABC):

Not Applicable

17.Skill development:

The institution provides training towards Career enhancement. The curriculum and syllabi are framed based on the requisites of Outcome based education. The curriculum is designed to ensure that it is not focused towards content based, rather than it is oriented towards student centric. The curriculum ensures that the student possesses the required skills, knowledge and attitude during the course of the program. Personality Development, Hardware and software based value-added courses are periodically conducted for the students through eminent guests and trainers from industry, thereby meeting the requirements of the industry. Regular training programmes like Mission Possible Workshop, Personality Development - Path Finding, and Soft Skill Development help students improve their soft-skill capacity.

Courses such as Professional Ethics, Gender Human Value, Environment and sustainability are included in the curriculum that integrates cross-cutting issues.

Various technical and skill oriented programs are organized and conducted for the students through professional associations such as IEEE, SAE, ISTE, IETE, IEI etc.,,

The best of these events include hands-on technical instruction, programming competitions, paper presentations, mini-project competitions, and mobile app development, among others..

The rigorous aptitude testing, coding practice, and internship activities integrated into the curriculum throughout the course of study support students in learning about the industrial culture which improves the knowledge and skills of the student and thus makes the student, an expertise on the same.

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

Not Applicable

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

- Terminologies and Technical concepts are taught through visualization, viz., through interactive white board to display photos, videos & audio clips etc.,
- Students are developed through mixed abilities by introducing team building exercises. This will enhance the self-confidence, communication skills and the self-learning skills of the students. Activities such as puzzle solving, conducting scientific experiments are adopted in this exercise.
- Technology is taken inside the classroom that makes learning more interactive where students can physically engage during lessons as well as instantly research their ideas, which develops autonomy. Mobile devices, such as iPads and/or tablets, are used in the classroom for students to record results, take photos/videos and the concepts are taught through visualization.

20.Distance education/online education:

Not Applicable

Extended Profile**1.Programme**

1.1	11
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	2216
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	717
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	2216
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Number of students who appeared for the examinations conducted by the institution during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.Academic		
3.1	128	
Number of courses in all programmes during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.2	195	
Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	No File Uploaded	
3.3	195	
Number of sanctioned posts for the year:		
4.Institution		
4.1	515	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	62	
Total number of Classrooms and Seminar halls		
4.3	780	
Total number of computers on campus for academic purposes		
4.4	7,69,99,403	
Total expenditure, excluding salary, during the year (INR in Lakhs):		

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The institution has been continuously designing its curriculum and academic programs based on the Outcome based Education (OBE).

OBE has transformed the Teaching learning process from traditional teaching to the student-centric learning. The curriculum is designed in such away, it facilitates the student-centric learning. The curriculum is benchmarked with the AICTE model curriculum. The institution is preparing the students to develop the knowledge embedded with creativity and innovation for a positive transformation of the emerging society by considering the needs of local, regional, national & global development. The curriculum design process is in harmony with the vision and mission of the institution.

The curriculum development process of the institution involves different stakeholders from industry, alumni and academicians etc., to identify and implant national and global requirements into the curriculum. The members of statutory bodies include national eminent personalities including the affiliating university, Anna University and also from IITs, NITs, etc.

The institution has established a sustainable inclusive academic environment by properly integrating the curriculum development, Teaching and Learning Practice (TLP), and establishing cutting-edge technologies.

The Programme Outcomes (POs) and Programme Specific Outcomes (PSOs), emerged from the above process reflect the capacity-building requirements of national and international needs. The POs are related to Interpersonal Skills & Lifelong Learning.

The institution inculcates more practical knowledge in the minds of the students. The courses about the outcomes related to domain-specific knowledge & reasoning, professional & personal skills, help the graduates to interpret, develop and practice real-world problem identifications in the interdisciplinary areas.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

11

File Description	Documents
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Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

34

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

128

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

As an autonomous institution, it offers various courses related to important cross cutting issues such as gender equality, environment

and sustainability, in addition to proficiency in Science, Technology, Engineering and Mathematics (STEM)

The program curriculum ensures that at least 20% of the courses are related to humanities, social and basic sciences and management. Gender Elective Courses are offered to educate students in social justice, human rights, diversity, and women empowerment.

A topic on Women and Child welfare has been incorporated in the mandatory course, Environmental Science and Engineering (GE18251), offered to all students.

Human Values and Professional Ethics

The institution offers a mandatory course, Indian Constitution and Society (CODE), to all undergraduate students, to instil morality, social values, honesty, dignity of life and social responsibilities. All programs offer at least one elective course on Professional Ethics and Human Values such as Human Relations, Values and Ethics (CODE) and Professional Ethics (CODE).

Environment and Sustainability

All the programs offer courses related to green technology and environmental issues that enable students to work towards sustainability. Topics such as biodiversity, disaster management, consumerism and waste management are included in the mandatory course, Environmental Science and Engineering (CODE).

In addition, program specific courses such as: Basics of Environmental Biotechnology (CODE), Environmental Sustainability (CODE), Renewable Sources of Energy (CODE) are offered in various engineering disciplines.

Students are encouraged to carry out projects related to green audit, renewable energy and conservation, organic farming and waste management, with the goal to reduce the carbon footprint.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

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

19

File Description	Documents
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List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

268

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

643

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.veltechmultitech.org/wp-content/uploads/2023/05/Feedback-2020-21.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
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Provide URL for stakeholders' feedback report	https://www.veltechmultitech.org/wp-content/uploads/2023/05/Feedback-2020-21.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

500

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

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

444

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The learning levels of the students are assessed through the Continuous Assessment Tests (CAT) conducted at the end of the unit. Based on the assessments and the end-semester examinations, students are identified as Fast learners and slow learners.

Students who secure low marks in CAT, unable to follow the class lectures, regular absentees with less attendance and backlogs are identified as slow learners.

Students who secure more than 70% in the assessments, regular in all aspects and who actively participate in classroom lectures are considered as fast learners.

To develop and to improve the competence of the slow learners, remedial classes are conducted after the class hours with minimum number of students. It provides extra guidance to them to utilize the leisure time in learning the course effectively. The performance

of the slow learners are monitored periodically based on the CAT. The mentors also counsel them and motivate regularly which results in gradual progress and takes them to succeed in academics, placements etc., along with the other students.

Fast learners are encouraged to participate in Project Competitions/contests to showcase their innovations. They are also encouraged to participate in National coding competitions such as HACKATHON and other coding contests conducted by online platforms. Students with entrepreneurial traits are motivated and allowed to participate in entrepreneurship related seminars and workshops organized by organizations outside. Students who aspire for higher studies are encouraged to prepare for GATE, IELTS etc and they are allowed to participate in such higher studies related camps organized outside.

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

2.2.2 - Student - Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2216	195

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Outcome based Education (OBE) has transformed the Teaching learning process from traditional teaching to the student-centric learning. The curriculum is designed in such away, it facilitates the student-centric learning.

Student-centric methods followed at the institution are shown below :

1) **Experiential Learning** - Students of all the programs are involved in experiential learning through various activities such as laboratory experiments, internships, Inplant training, fieldwork, research, team project, hackathons, study abroad, project competitions, Smart India Hackathon, VISAI conducted by VelTech University etc.

2) **Participative Learning** - The Infrastructure facilities like Learning by doing Workspace, Project Workspace, furniture like

round, curved tables with moveable seating, whiteboards, clickers, etc., are available to conduct participative learning. Role play, Jig saw method, seminar, presentations, group discussions, mind-mapping, fish bowl are some of the participative learning methods adopted.

Faculty members are trained in Active Learning methodologies by inviting external experts from industry and other reputed institutions that also help to cater the needs of active learning.

Class-room activities - Faculty members deliver the course using appropriate active learning methods like Case study, Jig-saw, Think-Pair-Share, Role Play, Brainstorming, peer-to-peer learning, etc., for their courses

Outside-the-classroom activities - Students participate in various activities like seminars, peer training, events coordination (teamwork and managerial skills), field trips, communicative services (collaborative skills), event participation etc., which also reflect the student involvement in participative learning.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The institution encourages all the faculty members to make use of ICT enabled tools such as Power Point Presentation, Video Clippings, e-learning resources such as NPTEL videos, MIT open courseware, and e-learning tools which are available in the Internet for effective teaching and learning process.

There are 52 classrooms and 10 seminar halls which are equipped with LCD projectors and screens. Every Department has one exclusive seminar hall with LAN, WAN and proper Internet facilities. Classrooms are equipped with LAN and WI-FI and proper internet facility with sufficient bandwidth at all the learning spaces. Interactive smart-boards are also available with sufficient internet bandwidth.

V-Learn is a Learning Management System (LMS) created using Moodle Platform that serves as a bridge between faculty and student to share the lecture, course materials, Home Assignment Task and relevant course material including video lectures created by the faculty. Also, this platform facilitates student management systems (SMS) such as course registration, Daily Attendance, Continuous Internal Assessment Marks, Surveys, Quizzes, student e-notice boards, parent communication, etc.

The institution has a Digital Library with repository of NPTEL, MIT Open-courseware video lectures, e- books, e-journals (online, offline) to facilitate for student learning

Faculty members use online resources related to active learning methods, simulation software, course- related demonstration tools, course-related video clippings and animation clippings, NPTEL virtual labs to deliver the lectures. Faculty may use relevant online tools related to the topic for their course in teaching-learning, which helps the students for better understanding

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	www.veltechmultitech.org/innovation-forum/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

195

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	No File Uploaded

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

Adherence to Academic Calendar:

The college adheres to academic calendar provided by the University for Conduction of continuous internal evaluation system. The affiliating University (Anna University) prescribes the academic schedule for every semester that should be followed by the affiliated institutions. The academic calendar includes the dates of commencement and completion of syllabus, schedules of internal exams etc. It specifies the dates of term end examination. Tentative dates of practical exams and viva-voce and theory examinations are also given in academic calendar. The time table is prepared and implemented accordingly. The teachers prepare teaching plans according to the academic calendar and guidelines of the University.

Based on this schedule, the institution prepares the academic calendar and academic schedule of activities in such a way that the activities are completed well ahead of the schedule given by Anna University.

The academic calendar indicates the annual working period of the teachers which includes working days, teaching days, admission period, examination and valuation period as per the affiliating university and UGC guidelines. The total working days, as provided by the university are around 240 days and out-of-them 180 days are reserved for teaching work and remaining days are used for co-curricular and extra-curricular activities. Working days are followed strictly as per university guidelines.

Academic schedule and weekly schedule, includes,

- Course file completion date
 - Lab manual submission date
 - Semester starting/ending date
 - Unit test/model test dates
 - Log book verification date
 - Holidays
 - Result analysis dates

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

195

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

40

File Description	Documents
List of number of full-time teachers with PhD. / D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

4.70

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	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

69

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The Office of the Examination Cell is fully computerized, with an Examination Management System (EMS) in place in the institution. Examination related processes such as generation of seat numbers, hall ticket printing, students' performance tracking, results declaration, etc., are all done through the computer software systems.

The Academic calendar published every semester has the dates of the end-semester examination schedule, which is strictly followed. The results of both the UG and the PG examinations are published within 15 days from the date of the last examination conducted. Both the internal and the external examiners are utilized for question papers setting and answer script evaluation. To increase the transparency in the evaluation process, a photocopy of the answer booklet is also

given to the students and the option to re-evaluate / challenge evaluation is also provided.

More than 50% of the question papers are sourced from the experts of high-ranking institutions. The question papers are carefully designed using the action verbs pertaining to the Bloom's Taxonomy. The course outcomes are mentioned against each question with cognitive levels.

Internal and external experts with experience in the subject are only called for evaluation. The ratio of the external to the internal experts is 60:40. Automatic Dummy number allotment and scanning machine are used for the secure management of the dummy numbering process and also to scan the evaluated marks. The examination cell follows a double-check system to ensure the correctness of the awarded marks by the examiner in the software.

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

2.6 - Student Performance and Learning Outcomes

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

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College is committed to improve the quality of educational programs by following a systematic process of Outcome Based Education (OBE) by defining and implementing Program Outcomes (POs) and Program Specific Outcomes (PSOs) as graduate attributes by considering the Program Educational Objectives (PEOs), and the Mission of the Institute. The stakeholder needs are also taken into consideration in this process.

For all the programs, Program Outcomes and two or three Program Specific Outcomes are defined. The various courses offered in the curriculum and other ecosystems are expected to address all the POs and PSOs of the concern program. POs and PSOs focus on student learning. They identify the knowledge, skills, and attitudes that students are expected to acquire through their course of study in the program. Course Outcomes are defined as per Bloom's Taxonomy. These Course Outcomes (COs) are ultimately helpful for the attainment of the POs and PSOs. The institution has established the mechanism of mapping COs with POs and PSOs.

The Program Outcomes and Program Specific Outcomes are displayed at,

- Department webpages of <https://www.veltechmultitech.org>
- At all the classrooms of all the departments

The POs and PSOs are disseminated to the stakeholders:

- Parents: At the time of admission into the program.
- Students: At the time of Induction program and also during the first instructional day of each semester.
- Faculty: At the time of faculty orientation program.
- Alumni and Employers: At the time of conducting the surveys.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The assessments and evaluations of the academic programs are effectively carried out every semester. The faculty members are responsible for setting Course Outcomes (COs) for their courses, and to calculate the attainment of the course outcomes. The attainment of POs and PSOs are calculated through the CO attainment of courses.

The following is the system adopted for assessment of PO & PSO.

- For every PO and PSO, both the direct and indirect methods of assessments are identified and that will be used to measure the attainment of the outcome.
- For each of the PO, attainment level is fixed.
- The data collected through the assessment process of POs and PSOs will assure the continuous improvement of the program.

The CO attainment is calculated based on the Continuous Assessment Test and end-semester examination. Course Coordinator along with the Course handling faculty discusses and makes an analysis on the CO attainment levels (1-Low, 2-medium, and 3-High) and verifies whether the attainment is meeting the performance target fixed. POs and PSOs attainment are calculated using the following formula as defined by NBA.

In Indirect Assessment, the survey forms are used to collect responses from the stakeholders pertaining to POs and PSOs. The overall POs/PSOs attainment is measured by considering 80% from Direct Assessment and 20% from indirect assessment.

File Description	Documents
Upload any additional information	View File

Paste link for additional Information	Nil
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2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

715

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.veltechmultitech.org/wp-content/uploads/2023/04/Stakeholder-Feedback-Report.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The Research Policy Committee is responsible for research policy and Institute's research initiatives and for advising on strategic matters relating to the research activities of the Institution.

The Research Advisory Committee advises the executive on research priorities, challenges and opportunities and executes strategic initiatives to enhance research activity within the Department.

The Institute has a Research Advisory committee and Research Board to monitor all kinds of research activities and facilitate high-quality research publications. The Research Board formulates and updates research policies time to time according to UGC Regulations and to ensure that researchers follow the research guidelines and regulations of our Institute.

Research & Development Centre was established to provide the facilities for research and development to all the students and faculty members. R&D Centre welcomes new ideas and encourages interdisciplinary research work to perceive the highest standards of

ethics and integrity in the conduct of their research, all the students and faculty must follow the Code of ethics.

The Institute offers Research Incentives to motivate the Faculty members to publish quality research publications, availing sponsored research projects, patent filing process, and other research-related activities. The college provides seed grant to support research in all frontier areas of Science, Engineering, Technology and Management studies by its Faculty Members. New Faculty Members are encouraged to apply.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**Rs. 24,63,000.00**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year**3**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides**11**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year**2**

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Enhancement in Innovation

The Institution's Innovation cell encourages students by providing the required resources, funding and support to students to convert their innovative ideas into products. Students are encouraged to participate in innovation challenges, hackathons and other such events that's stimulates their creativity and innovation.

As a result of the same, students have won the following cash prizes,

- Students of Mechanical won the OVERALL BEST PERFORMER and a cash prize of Rs. 25000.00 for the bicycle designed by them.
- Students of IT were selected to participate in the final round of the Hackathon event.

Enhancement in Research

Research incentives are offered to motivate faculty members to publish quality research publications, availing sponsored research projects, patent filing process, and other research-related activities.

- More than 125 faculty members participated in various FDPs and workshops
- Publications in SCOPUS has increased to 1300 research papers and 324 in WoS.
- The h-index of the institution in SCOPUS is increased from 8 to 30 and from 4 to 24 in WoS.
- 11 patents granted out of 214 published.

Enhancement in Entrepreneurship

The Entrepreneurship Development Cell encourages students by providing mentorship, training and incubation services. It encourages the students to develop their ideas, access funding and connect with MSME for further development and support of the same.

Facilitation of Collaboration

Collaboration is one of the vital factor for eco system development. The institution brings together all its stakeholders and creates a platform for networking and knowledge sharing which leads to the creation of new ideas and ventures

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

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

4

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

20

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

0.36

File Description	Documents
List of research papers by title, author, department, and year of publication	View File

Any additional information	View File
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3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0.015

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

646

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

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

3.4.6.1 - h-index of Scopus during the year

18

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

0

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File

Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The Institution promotes institution - neighborhood -community network and student engagement, contributing to good citizenship, service orientation, adopting number of villages and holistic development of students. The institution organizes several extension activities to spread awareness to the young minds about social welfare through various Clubs, Student Forums, National schemes to promote extension activities and through the celebration of all national & important international days.

The Institution regularly coordinates and conducts the following key programs through its NSS & the NCC wings. viz.,

- Tree Plantation drives
- Leadership programs
- General Health medical camp
- Dental camps
- Eye-related camps
- Clean & Hygiene Campus Drives
- Awareness programs on Drugs/Alcohol etc
- Traffic Awareness/Rallies/Campaigns
- Blood Donation camps
- Celebration of all national days
- Celebration of key international days
- Flood relief programs
- Cleaning the village programs
- Educating the village people campaigns

Apart from the NSS and the NCC wings of the Institution, students from different forums of the student council also participate in such extension activities.

Some of the key programs organized by the Student Wing are :

- Plastic waste safe disposal awareness camps were held at the villages, near the vicinity of the college.
- Swachh Bharat summer internship is organized in 3 villages to educate people about waste management.

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

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

72

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

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

11

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

659

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

0

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

4

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

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

a) Teaching - learning, viz., classrooms, laboratories, computing equipment, etc

The institute has adequate facilities for teaching - learning as follows:

- The institute has adequate number of class rooms for all the programs of study.
- The class rooms has LCD projector facility and are Wi-Fi enabled.
- The classrooms are well equipped with modern furniture
- State of the art laboratories are made available for all the programs.
- The computer centers are functioning round the clock both at the college and the hostel to support Academic & Research needs of the faculty members and students.
- The Student - computer ratio is 1:2 and the allotment ratio in the lab is 1:1 for students.

- The Library is well-equipped with a total space of 3000 sq feet in area and 300 sq.m allocated as reading space for the students.
- The Library has the subscription for online resources such as e-Journals, eBooks, Databases, etc..

b) ICT-enabled facilities such as SMART class, LMS etc.,

- Number of classrooms with LCD facilities - 50
- Number of classrooms with Wi-Fi/LAN facilities - 61
- Number of seminar halls with ICT facilities - 5

c) facilities for sports, games (indoor, outdoor), gymnasium, yoga centre, etc., cultural activities

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

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

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

The institution has adequate facilities for sports, games (indoor, outdoor), gymnasium, yoga center, etc. and cultural activities. S No Sports Number 1 400 Meters Athletic track with full equipment's 1 2 Football Ground 1 3 Basketball court 1 4 Volley Ball court 1 5 Ball Badminton 1 6 Tennis court 1 7 Badminton Court 1 8 Throw-ball Court 1 9 Cricket Practice Pitch 1 10 Fitness Center with full Equipment's 1 11 Indoor Hall (Table tennis Carrom and Chess) 1 12 Gymnasium with weight Lifting Equipment's 1 Faculty

- Faculty Mentor & Incharge - Sports
- Director of Physical Education - 1

Qualified Coaches The institute has qualified coaches for the following sports

- Football
- Cricket

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College has a very strong and a modest history in providing the state-of-the-art facilities to enhance and enrich the extra-curricular and co-curricular activities of the students. The Student Club of the Institution which is exclusively formed and functioning for the sole purpose, supports and facilitates student's cultural activities at various levels. The Institution also has an exclusive Convention

Centre to facilitate cultural activities with a seating capacity of 1300.

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

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

62

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

7,69,99,403.00

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Library plays an important role in the enhancement of the quality of Academic and Research environment in the educational institutions.

- The Library has an Integrated Knowledge Resource Centre (KRC) with a Central Library of with nearly more than a lakh of books, periodicals, references, national and international journals and CD-ROMs, in addition to libraries in Engineering and Education Faculties and other Departmental Libraries.
- It is automated using Integrated Library Management System (ILMS). It has access to IEEE and DELNET where students are exposed to access to more than 5000 e-journals.
- All e-resources are accessible locally within the campus as well as remotely. The Central Library in the campus is well maintained and provides the required atmosphere for learning.
- Library buildings have provision for both individual and group studies.

- The library also houses rich reference Collection viz., Encyclopedia Britannica, Encyclopedia Americana, Specific Subject Encyclopedias, Year Books, Atlases and other reference materials.
- The Central Library holdings also include dissertations, doctoral theses and project reports on various subjects.
- Besides these, the Library is also equipped with the latest e-journals by the UGC-INFONET Digital Library Consortium, accessible through campus-wide LAN.
- The library also provides access to Internet as well as CD/DVD based electronic resources.
- The Library also provides the students with the provision to allow downloading/printing of material from these resources.
- It has excellent ICT infrastructure with adequate bandwidth for fast and seamless access to Internet.

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

27,15,198.46

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1062

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

1. Vel Tech Multi Tech had focused consistently deployed best-in-class IT infrastructure and Applications development for Academic and Research support.
2. The campus has been enabled internet service with 500 Mbps bandwidth on 24x7 supports, providing anytime anywhere access to knowledge and learning resources, keeping in line with demand from students and faculty.
3. The internet bandwidth is enhanced from 100 Mbps to 500 Mbps over last two years, so that the academic and research activities can be handled with better connectivity.
4. The campus backbone network was upgraded from 100 MBPS to 1GBPS backbone and Wi-Fi Access points over 30 numbers were deployed across the campus in both academic blocks and hostel blocks for 24X7 internet service for enabling students and faculty to stay connected and access the academic content, anywhere in the campus.
5. A State-of-Art Data Centre was built with an area of 900Sq Ft, to managing network operations efficiently and hosted all the Rack & Blade servers with continuous power supply.
6. The Computer Maintenance cell (CMC) consisting of all the system staffs will work under one roof taking care of the Network, Hardware, Software, Projector and UPS maintenance activities of the Institution. In this connection email ids are created for the queries related to system services, Network Issues and Hardware Issues
7. The Firewall has been deployed for handling enhanced load on Network and Applications catering to academic and Administrative processes, thereby providing a secure campus Network.
8. AMC (Annual Maintenance Contract) for IT equipment's & UPS

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.veltechmultitech.org/about-college/

4.3.2 - Student - Computer ratio	
Number of Students	Number of Computers
2080	780
File Description	Documents
Upload any additional information	View File
4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	
A. ≥ 50 Mbps	
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	
A. All four of the above	
File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
7,69,99,403	
File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - classrooms, laboratory, library, sports complex, computers, etc.	
Laboratory The Department Laboratories are well maintained. There is a Standard Operating Procedure (SOP) for every Lab. The SOP includes all /anything related to purchases, services and maintenance of the equipment's in the laboratory. Classrooms & Lab Utilization The	

classrooms allocation are done based on the strength of the students and the requirement of the department(s). Apart from the regular classes, the classrooms are also utilized for conducting value-added courses, skill development programs, Placement Training classes, examinations etc., Annual Maintenance Contract (AMC) The Institution has AMC for the following for regular maintenance and support services. ·Computers, Printers, UPS and peripherals ·Laboratory Equipment's ·Generators & Lift ·Air-conditioners Library

- All the members of the Institution are eligible to get library membership. Library users have to register their details in the entry register, whenever they visit.
- The students can use the borrowed book(s) upto 30 days time, and faculty members can use the books upto a semester. The book(s) can be renewed if there is no reservation for the particular book.

Physical Education Department is headed by a Professor Incharge. The Physical Education Director (PED) reports to the Professor I/C. The PED takes care of the maintenance of the sports and the games of the Institution. There is a separate Gymnasium Centre which is also maintained by the Physical Education Department.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1194

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

414

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	<p>A. All of the above</p>
File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
<p>599</p>	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	<p>A. All of the above</p>
File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded
5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	

583

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education**16**

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year****12**

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

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year****1**

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Institution has an active Student Council operated by the Student community. The students are put in place as representatives in academic and administrative committees and bodies. This enables the students to facilitate in developing the quality of leadership,

and inculcates organization and responsibility amongst the student community.

Around 40+ students are members in various Academic bodies such as Anti-Ragging Committee, Library Advisory Board, SPARSH, Students Grievance Cell & Sports Legacy Club, Placement and Training Cell, Women Entrepreneur Cell, Entrepreneurship Development Cell etc., Alumni are the members in the Board of Studies of various departments.

The functions of the Student council is to make suggestions to the appropriate committee heads on various matters of interest as and when discussed in the meeting.

Students are also the members in the Class Committee Board. Every class of 60 has a student representative with one male representative and one female representative. The Class Representative system is fundamental to student representation as leaders.

Above academics, the Student Council are also members in various clubs such as English Club, Mathematics Club, Tamil Mandram, Sports Legacy Club, Cultural Club etc., Events are organized and conducted in the institution through the student members pertaining to the club.

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

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

0

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

· The Alumni Association of the Institution was formed in the year 2000 and has been registered with The Registrar of Societies with the Name 'Alumni Association of Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College'.

- It is formed with 10 enthusiastic members.
- The main aim of the association is to bring together under a single roof all the alumni of Vel Tech Multi Tech and making use of them to enrich the existing students with the exposure of the industry and the technological environment prevailing.
- Each Department conducts Alumni Interaction programs once in a month in which the Alumni shares their experience, knowledge and expertise expected for the existing students to withstand in the industry. Regular motivational sessions are also conducted to the existing students through the Alumni.
- The main vision of the association is to connect the existing students with the Alumni which would benefit the existing students in terms of placements and for higher studies abroad.
- The Alumni Reunion Event is conducted every year during the month of February. Through this event, the Alumni spends the whole day with the faculty members and spends sometime with the existing students creating a sense of motivation to them.

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

5.4.2 - Alumni's financial contribution during the year

A. \geq 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

THE VISION

Elevating well-being of humanity by augmenting human resourcepotential through quality technical education and training.

THE MISSION

- To effectuate supremacy in technical education through articulation of research and industry practices for social relevance.
- To inculcate the habit of lifelong learning.

- To exhibit professional ethics, commitment and leadership qualities.

To assure that the Institution is meticulously managed and administered, the college follows an eminent as well as a competent Administration Hierarchy comprising of:

- The Management
- The Principal
- The Heads of the Departments
- The Faculty Members

The Principal holds the Executive Committee Meeting sporadically with the Heads of the various departments to review the academic administration, research and development, placement initiatives and other docket planned and proposed for the progress of the institution. Major policy decisions are taken in these meetings.

The Principal conducts regular meetings with all the Heads of the departments regarding academic activities on par with the academic calendar, students' progress, placement and training details, research and extension activities, industry interaction, consultancy assignments, Proposals and Funded projects etc. The Principal ensures that in all these reviews the decisions taken in the Executive Committee Meetings are effectively enforced.

Vision, Mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions. The core committee team of the institution takes utmost care in planning and implementing the policies and procedures towards fulfilling the vision and mission of the Institution.

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

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

The institution practices decentralization and participatory management in keeping with its belief in collective leadership and democratic traditions. A reflection of this practice may be seen in the extensive delegation of authority to the Principal and the Heads of the various Departments in the Institution.

Autonomy to the Principal, the Head of the Institution – The Ways in which the Principal participate in the Management Process:

- The Principal who is the Head of the Institution decides on the budget of the College Infrastructure that is required and he decides on inculcating the best teaching-learning pedagogies and to create a value system to the students. There is no intervention from the Management in this regard.

- The Principal who is the Head of the Institution decides on the budget of the Academic activities such as to develop, encourage and motivate research, publications and patents among the academic fraternity. There is no intervention from the top authorities to the Principal in this regard. Autonomy to the Head of the Department:

- The Head of the Department oversees the Teaching Plans of his/her departmental members and he/she owes the full ownership of the department in running the department successfully.

- The Head of the Department is authorized to conduct meetings with their department faculty members and take decisions accordingly.

- The Head of the Department is authorized to approve financial assistance to his teaching Faculty for encouraging and motivating them to publish quality papers in peer-reviewed journals.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

A five-year Strategic plan in tune with the vision and mission of the Institution was framed for the enhancement of Teaching-Learning with the introduction of new programs in different domains and excellence in Research, Innovation and Entrepreneurship.

Enhancement in Teaching-Learning

The faculty members of the Institution attended in workshops on OBE and Teaching-Learning methodologies. The outcome resulted in accreditation of NBA for 6 programs run by the Institution.

Enhancement in Research

Research incentives are offered to motivate faculty members to publish quality research publications, availing sponsored research projects, patent filing process, and other research-related activities.

- More than 125 faculty members participated in various FDPs.
- Publications in SCOPUS has increased to 1300 research papers and 324 in WoS.
- The h-index of the institution in SCOPUS is increased from 8 to 30 and 4 to 24 in WoS.
- 11 patents granted and 214 published.

Enhancement in Innovation

The Institution's Innovation cell encourages students by providing the required resources, funding and support to students to convert their innovative ideas into products and are encouraged to participate in innovation challenges, hackathons and other events that's stimulates creativity and innovation.

Enhancement in Entrepreneurship

The Entrepreneurship cell encourages students by providing mentorship, training and incubation services and encourages to develop their ideas, access funding and connect with MSME for further support.

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

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

The Institution has a well-defined structured and organized hierarchical structure that defines the various functionaries and facilitates a professional and a good governance with defined set of policies, procedures and guidelines for the various academic and non-academic, administrative, financial and managerial policies of the institution that include the statutory and the non-statutory governance of the system.

The following are the various academic and non-academic, administrative, financial and managerial, statutory and the non-statutory policies that are incorporated.

- Reservation policy
- Standard Operating procedures for student fees receipts.
- Scholarship policy
- Admissions policy
- Human Resources & Recruitment policy
- Service Rules policy

- **Research & Consultancy policy**
- **Computer & IT policy**
- **Examination reforms policy**
- **Maintenance policy**
- **Internal Audit policy**

The Governing Body of the Institution - Administrative Setup

The highest body of the institution is the Governing Body of the Institution with the Chairman as the Head of the Governing Body. The Governing Body of the Institution is independent of the sponsoring body with full autonomy to discharge its academic and administrative responsibilities.

The Principal is the executive Officer of the Institution and he exercises overall supervision of the institution. The Principal is responsible for the smooth conduct of all administrative activities.

The Finance Officer is responsible for the preparation of annual budget estimates and statements of accounts for submission to the Finance Committee and the Board of Management.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

For Teaching Staff & Non-Teaching Staff

- **Provident Fund facility is applicable for all the Teaching staff and the Non-Teaching staff.**

- Various categories of leave including Casual, Earned, Medical leave.
- Gratuity is also applicable for all the Teaching staff and the Non-Teaching staff as per the Government norms.
- ESI is applicable for all the Non-Teaching staff as per the Government norms.
- Summer and Winter vacation leave available for all staff who have completed one year of service.
- Group Insurance is provided for both the Teaching staff and the Non-Teaching staff.
- Staff Welfare Fund is provided with repayment option of 10 months with 0% Rate of Interest.
- Transport Allowance is provided for both the Teaching staff and the Non-Teaching staff.
- Maternity Benefits are provided as per the norms.
- Personal loans for Teaching staff and the Non-Teaching staff are recommended through Bank of Baroda, which is applicable as per norms.
- Central Dispensary with Medical facilities are available inside the campus round the clock.
- A well-governed Faculty Grievance Cell, Non-Teaching Staff Grievance Cell exists in the campus. Meetings are held twice in a semester and the grievances raised by the members are shared with the Chairman of the Committee. Proper remedial measures are undertaken immediately and they are discussed in depth in the next meeting as Action Plan of the previous meeting.
- Staff Quarters is available at the subsidized tariff.
- TA/DA is provided for the faculty members attending conferences/workshops.

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

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

152

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

INTERNAL AUDIT

- The Institution has a qualified Chartered Accountant who is responsible for carrying out the Internal and the External audits.
- The Chartered Accountant (CA) ensures that all the procedures and the processes are in tune with the guidelines framed by the management and also ensures that the financial transactions are adhered to the framed guidelines.
- The process of Internal Audit (IA) includes the verification of financial parameters involved in admissions, payroll system, purchases, procurements, bank transactions, fixed asset management, accounting and other statutory compliances.

The Internal Audit includes the verification of the following such as,

- Admission processes (Scrutiny & short-listing of applications)
- Scholarships (Government, Private and Institutional scholarships)
- Procurement & Purchases: vendor selection process, purchase order processing, advance cash accounts, goods receipts and verification of invoices.

- Review of accounts receivable and payable, ledger accounts, cash balance & bank balance.
- Verification of Tuition fee, hostel & transport fee receipts, examination & other fee receipts.
- Verification of Statutory compliances such as PF, Gratuity, all remittances, GST and payments as per labour laws.

EXTERNAL AUDIT

- The Institution carries out the External audit by the Statutory Auditor.
- The Statutory auditor verifies and audits the consolidated annual financial statement of accounts of the Institution.
- The audited statement of accounts is placed before the Finance Committee and is then placed before the Governing Body for the approval.
- The approved audited statement of accounts of the financial year is published in the Institution website.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

Rs 6,50,000.00

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College being a self-financial institution meets all its expenses through the fees collected from the students, which is the major and only source of income.

There are other expenses required for the academic (teaching & learning), research and other developmental activities of the institution. To meet such imminent requirements, the Institution mobilizes its resources also funded or research projects, other income generated through rent and other amenities etc.,

In addition to the above sources of income, other sources through which funds are also mobilized are,

- Fee collected through organizing Faculty Development programs, conferences, workshops etc.,
- Through leasing of infrastructure facilities to various commercial utility facilities for faculty members, students and officials of the Institution such as banks (Bank of Baroda), Canteen, Cafeteria etc.,
- Funds generated as a result of accrued interest.
- Hostel fee collected from the students staying in hostel.

Optimum utilization of the funds:

- The Internal Audit Committee (IAC) of the Institution examines and scrutinizes the necessity of the requirement of funds for various purposes and ensures the optimal utilization of the funds.
- Funds are allocated for the academic purposes besides induction and orientation programs, workshops & seminars, training & refresher programs, faculty development programs etc.,
- The Internal Purchase Committee (IPC) of the Institution negotiates with the vendors on purchases to ensure that the purchases are made in a fair manner.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC of the college works towards improving and maintaining the quality in education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new courses which are the need of the hour. In accordance with this, the Institution has proposed three courses which are Artificial Intelligence and Data Science, Computer Science and Business Systems and Robotics and Automation Engineering in the year 2020.

IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives:

1. Quality teaching
2. Value Added Courses
3. Student soft skills development
4. Placement Training and Support
5. Faculty development programs for improving the Teaching Quality

Best Practice 1: The Teaching Learning Strategy

IQAC has insisted teachers to use various teaching tools and ICT facilitation for effective delivery of knowledge.

Best Practice 2 : Innovation Eco-System

The institution has developed a Knowledge Resource Centre for building the eco-system and the utilization of the centre is monitored by the IQAC to promote Innovation in Campus. The Institution holds 14 patents granted in the past three years which is an outcome of the Innovation Eco-system developed by the IQAC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.veltechmultitech.org/iqac/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

1. Departmental Class Committee Meeting (CCM) - thrice in a semester

Class committee meeting is conducted in every Department in the presence of HoD, Faculty Members and Student Representatives. The first CCM is conducted after two weeks of the commencement of semester academics to review the effectiveness in delivery of subjects and the course plan. Necessary corrections are carried out if necessary to improve the efficiency of Teaching and to guarantee learning. The second class committee meeting is conducted after the first continuous assessment test, where the performance of students are analyzed and the pit falls in teaching - learning process is identified, if any. The necessary corrective action is taken to fill

the gap by giving guest lectures, workshops, seminars etc to students. The third class committee meeting is conducted after the second assessment test to ensure the right progress of learning and to analyze the measurable outcome of the learning.

1. Academic Administrative Audit (AAA) - one in a year

The AAA is conducted once in a year in the following verticals

1. Teaching Learning Process
2. Library Audit Form
3. Infrastructure Audit Form
4. Hostel Audit Form
5. Examination Cell Audit Form
6. Curricular Aspects Audit Form
7. Canteen Audit Form

The AAA analysis is done after the audit and the corrective action is taken to improve the overall quality of teaching learning in the campus. The audit forms are attached for the reference.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.veltechmultitech.org/iqac/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.veltechmultitech.org/wp-content/uploads/2023/04/Annual-Report-2020-2021-2.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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 always been very careful in the safety and security measures adopted in the campus. The Institution has always has always been a SAFE PLACE for the female staff and the girl students.

The initiatives adopted by the institution are:

SAFETY & SECURITY

- The campus is fully covered by electronic surveillance through CCTV cameras.
- CCTV cameras are available near the classrooms, office areas and corridors.
- Security personnel are available throughout the campus and 24*7 round the clock.
- SPARSH is an exclusive committee which deals with the prevention of sexual harassment against any female staff/girl student. The contact matrix of the committee is made visible across the campus through boards.
- Through the SPARSH committee, lectures are organized for the girl students in order to inculcate self-defense amongst them.
- Medical Room is available both in the college and in the hostel, which provides the first aid requirements of the girl's students.
- A 24-hour Ambulance is full time available in the campus for taking care of the emergencies, if any.
- Adequate and Comfortable seating facility is available in the Cafeteria and the Canteen, for both the boys and the girl's students.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based

A. Any 4 or All of the above

**energy conservation Use of LED bulbs/
power-efficient equipment**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid Waste Management

The solid wastes encountered in the Institution are,

- Organic waste
- Recyclable waste
- Bio-degradable waste
- Food waste

The common practice adopted on the waste generated in the campus is the segregation of the same as Organic waste and Recyclable waste. They are converted into another reusable form. The collected segregated waste is unloaded at the waste processing yard and processed as per the Solid waste management practices.

Liquid Waste Management

- The Institution has set up 3 nos of Sewage Treatment Plants of 1000/500 KLD capacity.
- The sewage is characterized by organic and in-organic solids.
- The chain of treatment is aimed to remove such pollutants from the waste water, in order to re-use it more effectively.
- The STP plant is maintained regularly and the treated water is used for landscaping and flushing purposes.

E-Waste Management

Some of the e-wastes encountered are,

- Electrical waste
- Electronic waste

The Institution takes due care is disposal of all the above wastes such as, solid wastes, liquid wastes and e-waste.

Other environment conscious initiatives are,

- Rain water Harvesting system is in place to save water
- DIVYANGJAN (Physically Disabled persons) Friendly campus
- Campus with Plastic Free Zone
- Paperless office system
- Pedestrian Friendly roads
- Green Landscaping

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File

Any other relevant documents	No File Uploaded
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7.1.6 - Quality audits on environment and energy undertaken by the institution

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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

The campus provides an amicable and serene ambience where the differences among the individuals are highly respected and valued. Plethora of activities are organised in order to showcase the students' talents and creativity irrespective of their socio economic and cultural diversities. To develop the emotional and religious feelings among the students and the faculty, religious festivals, National fete and birth anniversaries are celebrated in the campus with the initiative and support of the management, not only for recreation and amusement but also to generate the feeling of oneness and social harmony. This establishes positive interaction among people of different racial and cultural backgrounds.

Many students who pursue their education in the institute belong to under privileged community and economic weaker section. The impact of this inclusive policy is observable from the percentage of admission of students from Scheduled Caste Communities and Most Backward Communities (MBC).

Bridge course is conducted in the beginning of the new academic year to bridge the gap and inculcate the moral and ethical values. Universal Human Values (UHV) course is conducted by trained faculty members. It helps the students to see the need for developing a holistic perspective of life.

Sensitization, Prevention and Redressal of Sexual Harassment (SPARSH) committee is formed which includes members from both staff and students of various departments. Confidential issues personal and psychological factors are carefully analysed and proper guidance and counselling is provided with utmost care and concern thus making a safe, enjoyable and productive place for everyone.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

With deep sense of pride and honour, the institution takes immense measure in arousing the spirit of patriotism by inculcating the constitutional obligations, values, rights, duties and responsibility as the citizen of our country. Every year sensitization and awareness programs are organised in the college regarding Human Rights, Fundamental Rights, Legal Awareness, Traffic Awareness, Civil Safety, etc.

As a part of strengthening the democratic values, students take a course on environmental studies in their first year which gives them insight into global environmental issues, conservation of natural resources, protection of wild life and endangered species. Besides the institution also arranges regular programme on women rights and empowerment. Seminars on topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically. Independence day and Republic day is celebrated every year by organising events and activities that arouse the sense of patriotism and the sacrifice of the great martyrs.

Every year Blood donation camp is conducted and our students voluntarily donate their blood which proves their care and concern to the humanity. Various events are also conducted to disseminate the adverse effects of drugs, smoking, tobacco and alcohol. Continuous monitoring and mentoring is done throughout, which is not only related to academics but also on the holistic development of the students.

The National Cadet Corps (NCC) and NSS are continuously trained by experts in their field and they have brought many laurels to the Institution. Our Cadet corps and NSS volunteers involve themselves in various activities to serve the society.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File

Any other relevant information	No File Uploaded
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7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institution organizes all National and Tamil Festivals and Birth and Death Anniversaries of great Indian Personalities with enthusiasm. The Student Council, the NSS, NCC and YRC wing of VTMT organizes such events through their Faculty coordinators.

The Institution practices pluralist approach towards all religion functions and encourages students and faculty to showcase the same by breaking the boundaries of religion and caste.

Republic Day - 26 Jan - Republic Day is celebrated on January 26 to commemorate the adoption of constitution. On this day, various formal events including flag-hoisting and march-past are organized by the NCC Wing of VTMT. The Student Toppers of each Department are made to hoist the National Flag.

Independence Day - 15 Aug - The NCC Wing of VTMT organizes this event in a grand manner with the flag hosting being made by the Student Toppers of each Department.

Teachers' Day - 5 Sep - The birth anniversary of Dr.Sarvepalli Radhakrishnan is celebrated as Teachers Day every year. The Management honors every teacher with a gift towards their service to the student community.

Gandhi Jayanthi - 2 Oct - A standout amongst the most main stream events in India and one of the three national occasions, Gandhi Jayanti is praised in our Institution to stamp the birth commemoration of Mahatma Gandhi. The standards of truth, peacefulness and trustworthiness are recalled and generally plugged among the student community.

Festivals that are celebrated with pride and honor are :

-Pongal Celebrations

-Deepavali

-Vinayaga Chathurthi

-Ayudha Pooja & Saraswathi Pooja

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	View File

Any other relevant information

No File
Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BEST PRACTICE- 1

Title of the Practice: Projects to Patents

Objectives :

- To develop the intellectual skills of the students
- To develop the concept or an idea into a product.
- To enhance the knowledge by patenting the product
- To understand the concepts and necessities of Patent filing
- To create an esteemed value of oneself.

Evidence of Success:

The success story of the institution in the domain of Patents is as shown :

No. of Patents Filed : 217

No. of patents Published : 214

No. of Patents Granted : 11

The institution was Awarded as the NUMBER ONE College in Tamil Nadu among 481 colleges in the year 2018 by Anna University for the above herculean success created by the Institution.

BEST PRACTICES - 2

Title of the Practice: Higher Education-The Destination

Objectives:

- To develop the interest among the students to pursue higher studies
- To constantly motivate and support the students for higher studies.
- To train the students to appear for all kinds of competitive examinations

- To create value-add to the students pursuing higher studies

Evidence of Success:

Number of students who have opted for higher studies in the last 5 years is,

2020 -21 : 32

2019 - 20: 41

2018 - 19: 43

2017 - 18: 44

2016 - 17: 58

2015 - 16: 67

The above statistics proves that the institution has always been as a front-runner in providing its students the best of the resources available blended with the required knowledge and the financial support.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Infrastructure: The institution excels as one of the top premiere institutes in India owing to its State-of-the art Infrastructure, well equipped laboratories, and highly qualified and experienced faculty members.

Academic Desk: The institute is supported by eminent industry experts, corporate, scientists, academicians and management consultants for training and recruiting fresh and young talents nurtured in the institution.

NAAC: Accredited by NAAC Accredited with 'A' grade with a score of 3.49 / 4.0.

NBA Accreditation: Departments of BME, CSE, ECE, EEE, IT & MECH are accredited by NBA.

NIRF India Ranking: The Institution Stands amongst the Top 200 Institutions (Band 151-200) in the Nation consecutively for 3 years in a Row (2019, 2018 & 2017).

Academics: Ranked 16th amongst 481 Colleges of Anna University in the results of 2018-19 & 24th amongst 461 Colleges of Anna University in the results of 2019-20.

Research: The Institution is committed to a long-term research and development to innovate technologies for the future. The completed projects are to the tune of Rs.4.5 Crores and running projects are to the tune of 1.5 Crores.

Publications: The institution has 1250+ publications in SCOPUS/Peer-Reviewed Journals and more than 2500+ in other reputed National /International journals. It has 217 Patents Filed, of which 213 are Published and 13 Patents, granted.

Placements: The Institution has 85% Placement record consecutively for the last 5 years with an highest salary of 10 Lakhs/annum. The Higher studies has also one of the successful platform that has proved great success for the Institution.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Future Plans of Action for the next Academic year.

- To continuously innovate and introduce new courses and remain relevant to the changing needs of the stakeholders.
- Faculty members shall be encouraged to create blogs to enable students to communicate their doubts, give feedback, suggestions etc.,
- To introduce job-oriented and skill-based courses
- To facilitate Faculty Exchange programs with other academic institutions and international linkages.
- To upgrade Library resources widely and to include digital content, which would facilitate the faculty and the students to access online.
- To provide resources required for the use of technology to provide online course contents, video lectures etc. to overcome space constraints.
- To enter Memorandum of Understanding (MoU) with corporates and industry association to promote Academia-Industry linkages, to enable placements , internship, training etc for the students
- To enter into collaboration with MSME to facilitate an incubator cell for new ideas to be translated into business ideas.
- To foster and strengthen the relationship of Alumni with the institution
- To encourage faculty widely to undertake consultancy assignments
- To continue to organize extension activities for the benefit of the society and to create awareness on various social issues.

