



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

VELAMMAL INSTITUTE OF TECHNOLOGY

**VELAMMAL INSTITUTE OF TECHNOLOGY, VELAMMAL KNOWLEDGE PARK,
CHENNAI-KOLKATA NATIONAL HIGHWAY PANCHETTI-601204
601204**

<https://velammalitech.edu.in/>

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Velammal Institute of Technology, conceived by our esteemed Chairman, commenced its journey on August 14th, 2008, with the noble aim of offering world-class technical education imbued with human values, thereby empowering our student community to thrive in life. Despite its relatively brief existence, the institution has swiftly developed cutting-edge infrastructure thanks to its dedicated and resolute staff members.

Our commitment at Velammal Institute of Technology is to lead in the development of an innovative workforce and to serve as a premier learning hub catering to the dynamic needs of business and industry. Aligned with this mission, we facilitate the transfer of technology to industry and drive innovations in the application of emerging technologies through top-notch technical education and workforce training.

Currently, we provide Bachelor of Engineering courses in CSE,ECE, EEE, IT, MECH, Mechatronics and Artificial Intelligence and Data Science with plans to introduce additional courses in the upcoming academic year. Our student body currently stands at 1854, supported by 138 teaching faculty members, many of whom hold doctoral degrees, while others are actively pursuing theirs. Additionally, we have a complement of 69 non-teaching staff members.

Our institution boasts a comprehensive array of fully-equipped laboratories, including Engineering Practices Lab, Physics Lab, Chemistry Lab, Power Electronics Lab, Measurements & Instrumentation Lab, Controls Lab, Operating Systems Lab, Electronic Circuits Lab, Object-Oriented Analysis & Design Lab, Network Lab, VLSI Lab, Manufacturing Technology Lab, Strength of Materials Lab, Computer-Aided Machine Drawing Laboratory, Computer-Aided Drafting and Modeling Laboratory, Power System Operation & Control Lab, Digital Lab, Data Structures & Object-Oriented Programming Lab, System Software Lab, Java Lab, Computer Graphics Lab, Open Source Lab, Digital Electronics Lab, Linear Integrated Circuits Lab, Digital Signal Processing Lab, Communication Systems Lab, Microprocessor and Microcontroller Lab, Communication Laboratory, Electronics System Design Lab, Optical & Microwave Lab, Electronics Devices and Circuits Lab, Data Structures and Algorithms Lab, Electrical Machines Lab, Power System Simulation Lab, and Java Lab.

Furthermore, to accommodate our students, we provide separate boys' and girls' hostels within the college premises, with a total capacity to house 700 students.

Vision

To be a leader in imparting quality technical education, research & enterprising skills in pursuit of professional excellence

Mission

- **To promote quality education & technical skills to meet the industry requirements**
- **To incorporate team work, leadership skills & lifelong learning**
- **To facilitate career development & higher education assistance**
- **To encourage innovative ideas for research & development and entrepreneurship for societal needs**
- **To inculcate ethical responsibility & human values**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strength

- **Quality Faculty:**

Having highly qualified and experienced faculty members who are experts in their respective fields is crucial. They not only impart knowledge but also inspire and mentor students.

- **State-of-the-Art Infrastructure:**

Modern laboratories, well-equipped workshops, advanced technology, and a conducive learning environment are essential for practical learning and research.

- **Industry Collaboration:**

Partnerships with industries provide students with opportunities for internships, projects, and exposure to real-world challenges, enhancing their practical skills and employability.

- **Research and Innovation:**

Encouraging research and innovation fosters a culture of curiosity and problem-solving among students and faculty, contributing to advancements in technology and knowledge.

- **Holistic Education:**

Beyond academics, offering opportunities for extracurricular activities, sports, entrepreneurship, and personality development ensures the holistic development of students.

- **Placement Record:**

A strong track record of placements in reputable companies indicates the institution's credibility and the quality of education imparted.

- **Continuous Learning and Development:**

Providing avenues for lifelong learning through continuing education programs, workshops, seminars, and industry certifications keeps students and faculty updated with the latest trends and technologies.

- **Global Exposure:**

International collaborations, exchange programs, and exposure to global perspectives enrich students' learning experiences and broaden their horizons.

- **Support Services:**

Offering comprehensive support services such as career counseling, academic advising, mentorship programs, and student support systems enhances student success and well-being.

- **Alumni Network:**

A strong alumni network provides valuable connections, mentorship opportunities, and industry insights for current students and fosters a sense of belonging and pride in the institution.

Institutional Weakness

Institutional Weakness

Student Skills Improvement:

- **Deficiency in English Communication and Soft Skills:**

Nearly 15% of students struggle in exhibit English communication and soft skills

- **Insufficient Technological Exposure for Rural Students:**

Rural students have limited exposure to technological advancements.

- **Need for Additional Support for Low Cut-off Students:**

Students admitted with lower cut-off scores require additional inputs to meet academic standards.

Faculty Publications:

- **Insufficient High-Quality Publications:**

There is a need for an increase in the quality of faculty publications.

- **Lack of Early Research Engagement:**

There is a need for mechanisms that enable less experienced teachers to start engaging in research early in their careers.

- **Limited Funding Opportunities from Government Bodies:**

There is a limited scope for obtaining research funding from government bodies.

Institutional Opportunity

Institutional Opportunity

- **Expansion of Programs:**

Introducing new and specialized engineering programs aligned with emerging technologies and industry demands can attract a wider pool of students and meet market needs.

- **Global Partnerships:**

Establishing collaborations with international universities and institutions opens up opportunities for student exchange programs, joint research projects, and exposure to diverse cultures and perspectives.

- **Online Education:**

Embracing online learning platforms and distance education can broaden the institution's reach and cater to the needs of non-traditional students, working professionals, and learners from remote areas.

- **Research Funding:**

Pursuing grants, funding, and partnerships for research projects can enhance the institution's reputation, attract top faculty and students, and contribute to technological advancements.

- **Industry Integration:**

Strengthening ties with industries through internships, co-op programs, industry-sponsored projects, and guest lectures fosters practical learning experiences, enhances employability, and facilitates technology transfer.

- **Skill Development Initiatives:**

Offering skill development programs, workshops, and certifications in collaboration with industry partners helps students acquire relevant skills and certifications, making them more competitive in the job market.

- **Entrepreneurship Ecosystem:**

Creating an ecosystem conducive to innovation and entrepreneurship by providing incubation centers, startup accelerators, mentorship programs, and funding opportunities encourages students and faculty to pursue entrepreneurial ventures.

- **Continuing Education:**

Providing continuing education programs, executive courses, and professional development opportunities for alumni and working professionals enhances lifelong learning and fosters industry relevance.

- **Community Engagement:**

Engaging with the local community through outreach programs, social initiatives, and collaborative projects addresses societal challenges, enhances the institution's reputation, and strengthens relationships with stakeholders.

- **Technological Advancements:**

Investing in advanced technologies, digital infrastructure, and smart classrooms enhances teaching and learning experiences, facilitates research, and prepares students for the digital age.

Institutional Challenge

Institutional Challenge

- **Keeping Curriculum Relevant:**

Adapting the curriculum to keep pace with rapidly evolving technologies and industry demands while ensuring academic rigor and accreditation standards can be challenging.

- **Faculty Recruitment and Retention:**

Attracting and retaining qualified faculty members with industry experience and research expertise is essential but can be difficult due to competition, salary constraints, and limited career advancement opportunities.

- **Industry Collaboration:**

Establishing and maintaining strong partnerships with industries for internships, research projects, and placements requires proactive efforts and effective networking.

- **Promoting Research Culture:**

Encouraging faculty and students to engage in research and innovation, securing research funding, and translating research outcomes into practical applications are challenges for many institutions.

- **Ensuring Quality Education:**

Maintaining academic standards, providing effective teaching and learning experiences, and evaluating student performance while catering to diverse learning needs and backgrounds can be complex.

- **Addressing Diversity and Inclusion:**

Creating an inclusive environment that celebrates diversity, promotes equity, and ensures equal opportunities for all students and faculty members is an ongoing challenge.

- **Adapting to Technological Changes:**

Embracing emerging technologies such as online learning platforms, digital tools, and virtual laboratories while ensuring accessibility, cyber security, and data

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Velammal Institute of Technology, affiliated to Anna University, Chennai, has seven undergraduate programmes, follows the curriculum, updated every four years, covering Basic Engineering, Basic Sciences, Humanities, Core, and Elective courses, supplemented with value-added courses to address any gaps. Each semester begins with the college crafting an academic calendar, distributed to faculty and students, meticulously outlining working days, holidays, assessments, and exams. The Institution meticulously develops effective plans for implementation of the academic curriculum and value-added programmes. The learner-centered education through appropriate methodologies such as participative learning, experiential learning and collaborative learning modes, facilitate effective learning. Teachers provide a variety of learning experiences, including individual and collaborative learning. Quality of learning provided in the institution depends largely on teacher readiness to draw upon such recently available technology.

Professional Ethics and Human Values

Anna University recognizes the vital role of ethical values in shaping engineering students and has incorporated Professional Ethics as an elective course in the curriculum. Beyond the academic framework, the college actively cultivates ethical and human values through extracurricular activities.

Gender

The institution emphasizes gender equality, ensuring equal opportunities for male and female students in admissions, job placements, training, and extracurricular activities. The Women Empowerment Cell plays a pivotal role in championing women's safety and empowerment. Through programs and workshops, it promotes gender equality, empowerment, and addresses harassment issues. Annual Women's Day celebrations engage female students and faculty in empowering activities, while workshops on empowerment

Environment

The Go Green Club spearheads initiatives on reducing plastic use, energy conservation, and afforestation. Encouraging a plastic-free campus, students and staff partake in sustainability projects, ethically conscious, and environmentally.

Feedback System

The process of revision and redesign of curricula is based on recent developments and feedback from the stakeholders. The feedback from all stakeholders in terms of its relevance and appropriateness in catering to the

needs of the society, economy and environment helps in improving the inputs.

Teaching-learning and Evaluation

Velammal Institute of Technology enrolls students in line with the allotted seats by adhering to all ANNA UNIVERSITY guidelines. According to the last five years' statistics, 70.40% of students were admitted against the sanctioned seats. The Tamil Nadu State Government offers Tamil Nadu Engineering Admission (TNEA) counselling, which is the admissions procedure for different programs. Through social reservations established by the Tamil Nadu State Government, the process for admission guarantees the participation of students across all categories. As per the current reservation policy, 66.30% of seats are filled against the reserved categories. For all first-year undergraduate programs, Velammal ITech offers bridging and induction course programs that help students grasp the fundamentals of all subjects.

Velammal ITech adheres to the associated university's guidelines on the student-faculty ratio. For the last five years, For the academic year 2022-2023, Velammal ITech maintains a student-teacher ratio of 15.52:1 (1521:98). Velammal ITech maintained an average of 97.20% of full-time teachers against the sanctioned posts. Around 29.70% of full-time teachers have a Ph.D. or NET/SET certification. Each mentor is keen for providing the students moral support in their personal and academic lives.

The college integrates a variety of teaching strategies, including self-learning, demonstrative learning, participatory learning, collaborative learning, and creative learning, to deliver learner-centred instruction with the goal of producing innovation. To enable greater efficiency and effectiveness in education and training, resources like projectors and LED displays have been mounted in every classroom and laboratories.

Every semester, the institution's exam cell conducts three internal assessment exams in addition to a model examination. Question papers for internal assessments are structured according to the BLOOMS TAXONOMY. Students can retake an internal assessment if they've been absent for valid reasons.

Every student has an attendance record that is kept up to date, and attendance in theoretical classes and practical sessions is given equal importance. The university is responsible for scheduling the end semester examination. When it comes to administering end-of-semester exams, the college carefully abides by the guidance and rules issued by the affiliating university. For the last five academic assessment years, Velammal ITech achieved an average pass percentage of 97.52% in the final year examinations.

Velammal ITech places the biggest importance on all B.E/B.Tech students achieving 100% of COs and POs. Students provide feedback regarding the teaching and learning processes through online surveys administered by Velammal ITech, and any necessary corrective action is taken right away

Research, Innovations and Extension

Velammal Institute of Technology has an exclusive R&D Cell to establish an R&D culture at the Institute by

promoting research awareness among the faculty members and students. Received research grants of worth Rs 170.78921 Lakhs from various funding agencies such as DST, CVRDE, TNSCST, MSME, AICTE and Ministry of mines.

Our Institute provides a productive atmosphere with advanced facilities and guidance to support innovation ecosystem through IIC, IPR cell, IKS activities and 4 Incubation centres. A total of 147 events have been conducted on Research Methodology, Intellectual Property Rights (IPR), and entrepreneurship to promote the innovation ecosystem.

As an outcome, Faculty members and students have published 420 research papers in SCOPUS Indexed /UGC recognized journals and 633 papers presented in national/international conferences, 53 patents and 11 grants over the past five years. Faculties have also published 23 books.

Our Institute have separate cells for NCC, NSS, YRC and also have student forums to sensitize students to social issues for their holistic development. Periodically conducted 54 extension activities like Blood donation, Health and Eye checkup, Tree Plantation, Temple Cleaning, awareness rally and campaign, societal programmes, skill development programmes.

As a milestone, our Institute have adopted four nearby villages through Unnat Bharat Abiyan scheme and conducted survey and activities as prescribed by Government of India. Our Institute is recognized and appreciated for the above mentioned societal activities.

Our Institute has signed 53 active MoUs/Colloborations with reputed industries/organizations/ startups and has organized various related activities.

Infrastructure and Learning Resources

The Velammal Institute of Technology is spread across 10.5 acres. It has an excellent technological facility required for an effective teaching and learning process. The whole campuses, including the Hostels, are covered in Wi-Fi hotspots. The facilities of the institution include 37 ICT-enabled classrooms, 2 drawing rooms, Examination Cell, air-conditioned seminar Hall/Auditorium-1 in 1st Floor Conference Hall having 200 seating capacity and 3rd Floor seminar Hall/Auditorium-2 having 400 Seating Capacity with a video conference capability, one Air-conditioned Board Room for a college level events. In addition to this, 6 seminar halls are equipped with speakers, microphones along with LCD projectors, 75 inches smart boards, white boards and public addressing system for conducting college programme, Training and Placement activities.

The 1060sq.m Computerized Library integrated with AutoLib software consisting of 21441 volumes of 5296 titles as a major learning resource of our college. Institution is well equipped with 32 laboratories with adequate facilities as per the curriculum and well maintained. Additionally Research labs and Industry sponsored labs are encompassed.

There are 714 computers in total for our department labs which leads to Student Computer ratio 2:1, 198 of which are brand-new desktops with i5 processor, 8GB RAM, 2GB Graphics card and 1TB hard drive. The entire campus has access to a 100% power backup system. Our college has a dedicated uninterrupted 500 Mbps leased line connectivity from Airnet. There is a separate server room which provides all network connectivity, administrative services throughout the campus. Entire campus is Wi-Fi enabled with secure log-in mechanisms and 26 new Access points in various locations of every floor.

There are adequate facilities for practicing and organizing all types of cultural events, sports events, GYM and yoga.

Our institution has established a proper system to ensure the effective and efficient utilization of available funds. During the yearly budget preparation, funds are allocated to each department based on their requirements or upgrade needs. A certified Chartered Accountant conducts yearly reviews of the accounts and entries.

Student Support and Progression

One of the most significant aspects of an educational institution is the provision of support and progression for students. This vital feature measures the institution's dedication to complete student care, ensuring their holistic growth and achievement.

- The institution is committed to providing students with financial assistance in the form of scholarships and freeships that are made available by both the institution and the government. This financial support empowers different students, fosters inclusion, and ensures that financial restraints do not hinder study.
- Students obtain practical skills through capacity building and skills improvement initiatives at the Institute, improving their job prospects. The institution's progressive approach to skill development promotes students' overall growth and success in academic and professional pursuits.
- The institution's career counselling and competitive exam advice have helped pupils. Guidance for competitive examination, soft skills training, Life skills (Yoga and meditation classes), Language and communication skills and awareness in trends and technology are initiatives for student all round development.

- By guaranteeing the timely processing of student complaints, particularly those involving sexual harassment or other grievance, Criterion 5 highlights the institution's dedication to a secure environment. Grievance Redressal Cell, Internal Complaints Committee in opposition to Sexual Harassment, and Anti-ragging Committee immediately address student concerns and seek quick resolution.
- The institution's Training and Placement Cell partners with various firm each year to help students launch their careers. An impressive 74% of students find campus employment through institution's excellent placement record. More than 13% of student's performances in competitive exams have also increased resulting in admissions into Higher Educational Institutions both in India and Abroad.
- The Institute emphasises sports and cultural activities to help students flourish. Students have excelled in sports and culture because to strong infrastructure and competent mentorship. More than 35 sports/cultural activities are organized in the institution every year. This integrated strategy fostered campus life and satisfied NAAC's student participation and diversity objectives.
- The college has strong relationships with its alumni, showcasing its close connection with students. The Alumni Association, which has over 4000 members, contributes to the institution's growth by participating in lectures and organising reunion programmes.

Governance, Leadership and Management

Velammal Institute of Technology (Velammal I Tech) is very firm in disseminating its vision and mission into the system through various programmes to suffice the needs of its peers. The following are the important areas in which the above is reflected.

Decentralization and Participative Management:

Velammal I Tech is bound to Participative Management and it strongly believes in the outcome and progress of collective decision of all the employees in the institute. Various departments and cells are constituted with defined powers to perform individually and attain its goal.

Faculty Orientation and Development:

The output of academic excellence lies in its faculty and their empowerment. All the faculty members are motivated to attend Conferences, Seminars, Workshops, Faculty Development Programs (FDPs), Short Term Training Program (STTPs) etc. All the faculty members are also allowed to pursue higher education and do research.

Staff Welfare:

Velammal I Tech has strong faith in their staff members and it provides various benefits for them. Facilities like free transport, medical facilities, ward concession etc are provided to the staff members. Gold coins and prize money are provided to the deserved staff members. E Governance: E Governance is introduced in accounts, examinations, students support, security etc. to provide the best to all the stakeholders. External audits are conducted every year by the government certified auditors.

IQAC:

IQAC is the backbone of the institute which conducts audits round the year to maintain the quality standards in all the departments.

In nutshell, Velammal I Tech has good governance, leadership and management to cater the needs of all its stakeholders.

Institutional Values and Best Practices

The institution prioritizes human values and best practices, shaping graduates who are not only technically proficient but also imbued with strong ethical values. Here's how the institution demonstrates its commitment to these principles:

Promotion of Human Values: The institute fosters human values among its students and staff, emphasizing gender equity, safety, and counseling. Socially relevant activities are organized to promote awareness and sensitivity.

Eco-Friendly Practices: A strong emphasis is placed on eco-friendly practices such as waste management, plastic-free campus initiatives, and the adoption of solar and rainwater harvesting systems. LED lighting, natural lighting, and ventilation designs minimize energy consumption.

Green Campus: The campus is adorned with lush green grounds and trees, contributing to a clean and healthy environment. Solid, liquid, and e-waste management follows green building standards, ensuring responsible disposal.

Accessibility for Physically Challenged: Facilities such as ramps, accessible washrooms, and human assistance are provided for physically challenged individuals, promoting inclusivity and accessibility.

Mentoring System: Mentors can provide crucial support and guidance, fostering trusting relationships that alleviate distress and anxiety. Mentors also enhance academic performance by offering personalized attention and helping students from weaker backgrounds catch up with their peers.

Placement Training: In an attempt to create industry readiness as well as to enrich the employability of its graduates, we have actively involved in the design and implementation of skill development programs across different engineering streams with an objective to expose students to industry culture and practices and also inculcate in students a flair for problem definition and build problem-solving capability by providing hands-on training in modern tools and techniques.

Excellence in Academics: Our institute's distinctiveness lies in its unwavering commitment to academic excellence, holistic development, and societal impact. From remarkable improvements in university rankings to outstanding achievements in NPTEL and NCAT, our journey reflects our dedication to nurturing talent and fostering an environment of continuous growth and learning.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VELAMMAL INSTITUTE OF TECHNOLOGY
Address	VELAMMAL INSTITUTE OF TECHNOLOGY, VELAMMAL KNOWLEDGE PARK, CHENNAI- KOLKATA NATIONAL HIGHWAY PANCHETTI-601204
City	CHENNAI
State	Tamil Nadu
Pin	601204
Website	https://velammalitech.edu.in/

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	N.BALAJI	044-22446300	9677127076	044-22446308	principal@velammalitech.edu.in
IQAC / CIQA coordinator	B.MADHU	044-22446304	9841607498	044-22446308	madhu@velammalitech.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-06-2023	12	New AICTE approval for the next year received last week

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	VELAMMAL INSTITUTE OF TECHNOLOGY, VELAMMAL KNOWLEDGE PARK, CHENNAI-KOLKATA NATIONAL HIGHWAY PANCHETTI-601204	Rural	10.04	25347.54

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Co course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering,Computer Science and Engineering	48	HSC	English	240	240
UG	BE,Electronics And Communication Engineering,Electronics and Communication Engineering	48	HSC	English	120	120
UG	BTech,Information Technology,Information Technology	48	HSC	English	90	90
UG	BE,Electrical And Electronics Engineering,Electrical and Electronics Engineering	48	HSC	English	30	26
UG	BE,Mechanical Engineering,Mechanical Engineering	48	HSC	English	30	13
UG	BE,Mechatronics Engineering,Mechatronics Engineering	48	HSC	English	30	22

UG	BTech,Artificial Intelligence And Data Science,Artificial Intelligence and Data Science	48	HSC	English	120	120
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Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	10				20				108			
Recruited	5	5	0	10	13	7	0	20	54	54	0	108
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				45
Recruited	23	22	0	45
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				24
Recruited	15	9	0	24
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	5	0	11	6	0	6	3	0	36
M.Phil.	0	0	0	1	0	0	10	8	0	19
PG	0	0	0	1	1	0	38	43	0	83
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
		0	0	0	

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	894	223	0	0	1117
	Female	590	147	0	0	737
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	35	24	23	10
	Female	28	17	15	1
	Others	0	0	0	0
ST	Male	0	1	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	267	215	171	145
	Female	171	134	120	69
	Others	0	0	0	0
General	Male	60	64	61	41
	Female	70	52	43	17
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		631	507	433	283

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>Institutions are revising their engineering curriculum to align with the multidisciplinary approach advocated by the NEP. This includes integrating liberal arts, humanities, and social sciences into engineering programs to foster holistic education.</p> <p>Skill Development: Engineering colleges are focusing on developing students' critical thinking, problem-solving, communication, and entrepreneurial skills as per the NEP's emphasis on skill-based education.</p> <p>Flexible Academic Structure: Institutions are exploring flexible academic structures such as credit-based systems, multiple entry and exit points, and interdisciplinary majors to accommodate diverse student interests and career pathways, in line with</p>
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	<p>NEP recommendations. Faculty Development: Engineering colleges are investing in faculty development programs to equip educators with the pedagogical skills and knowledge needed to implement innovative teaching methodologies and interdisciplinary approaches as per the NEP guidelines. Research and Innovation: Institutions are enhancing research and innovation ecosystems to promote collaborative and interdisciplinary research, facilitate technology transfer, and address societal challenges, in alignment with NEP objectives. Infrastructure Upgradation: Engineering colleges are upgrading their infrastructure to support experiential learning, research activities, and the integration of technology into teaching and learning processes, as emphasized by the NEP. ICT Integration: Institutions are integrating Information and Communication Technology (ICT) tools and platforms to facilitate online learning, virtual laboratories, and blended learning approaches, in line with the NEP's focus on leveraging technology in education. Teacher Education Programs: Engineering colleges are offering teacher education programs to train educators in pedagogical techniques, curriculum design, assessment methods, and ICT integration, as recommended by the NEP for enhancing teaching-learning processes. Community Engagement: Institutions are strengthening their engagement with local communities, industries, and stakeholders to promote experiential learning, internships, industry projects, and social outreach programs, aligning with NEP's emphasis on community participation in education. Quality Assurance Mechanisms: Engineering colleges are implementing quality assurance mechanisms such as accreditation, institutional audits, and continuous assessment to ensure compliance with NEP guidelines and maintain academic standards.</p>
2. Academic bank of credits (ABC):	<p>The Academic Bank of Credits (ABC) is a virtual repository managed by the University Grants Commission (UGC) that stores information about credits earned by students throughout their academic journey. This online platform allows students to open accounts and offers various options for entering and leaving universities, promoting seamless mobility between or within degree-granting Higher Education Institutions (HEIs). The ABC establishes a formal</p>

	<p>system for credit recognition, accumulation, transfer, and redemption, supporting flexible teaching and learning practices. Affiliated universities, such as Velammal Institute of Technology, maintain the ABC facility, facilitating the transfer of credits earned by students when they choose to enter or leave the university. This initiative aims to enhance student mobility and provide opportunities for continuous learning and academic advancement. The ABC allows students in undergraduate and graduate programs to leave and rejoin within a set timeframe, promoting flexibility in academic pathways. As an affiliated institution, our college follows the guidelines set by the affiliating university regarding the implementation of the ABC system. We have taken initial steps to facilitate the registration process for ABC, ensuring accessibility for all students. Faculty members are encouraged to provide recommendations for curriculum development, with senior educators contributing to curricular enrichment through their roles in the university's Board of Studies. Each student is provided with an individual Academic Bank Account digital form, a unique ID, and access to the Standard Operating Procedure (SOP) for ABC. The ABC Regulations support blended learning by allowing students to earn credits from various HEIs and online platforms such as SWAYAM and NPTEL. Instructors are encouraged to adopt learner-centered teaching approaches and access additional resources beyond prescribed textbooks and reference materials. Assessment criteria, both internal and external, adhere strictly to the guidelines set by the affiliating university, ensuring consistency and fairness in evaluation processes across all programs and institutions under the ABC system</p>
3. Skill development:	<p>The NEP 2020 endeavors to enhance the employability skills of students, empowering the youth of the nation by adequately training them in industry-relevant competencies. Our institution shares this commitment to skill development, collaborating with various external agencies through Memorandums of Understanding (MOUs) to offer students training in a diverse range of skills. These initiatives prioritize the cultivation of soft skills such as teamwork, problem-solving, decision-making, and analytical thinking. Additionally, our institution</p>

	<p>serves as a pivotal center for SWAYAM, NPTEL, IIRS-ISRO, and Virtual Labs of IIT Bombay, providing numerous online courses to complement traditional education and enrich students' technical capabilities while fostering connections with peers nationwide. Various interactive methods, including group discussions, communication sessions, and flipped classroom techniques such as case studies and role-playing, are employed to instill a robust ethos of teamwork, cultural sensitivity, leadership, empathy, and effective communication among students. Moreover, value-based education courses covering universal human values, professional ethics, and environmental sciences are integrated into the curriculum. To ensure students acquire industry-relevant skills, the institution conducts skill-based student development programs across various domains, encouraging active participation with the support and encouragement of faculty. These endeavors align closely with the objectives outlined in the NEP, furthering our commitment to holistic student development.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Active promotion of languages, arts, and culture plays a vital role in fostering students' creative thinking skills, alleviating stress levels, and enhancing academic performance. Additionally, it cultivates essential skills such as problem-solving, decision-making, and team building, among others. Embracing the tradition of art and culture serves as an effective means of preserving and reinforcing a strong community's sense of identity and place, while also showcasing creativity. There is a deliberate focus on promoting Indian culture and traditions among students. The annual cultural event of the institution, Tarang, serves as a platform for students to exhibit the rich diversity of Indian society and culture. During Tarang, students showcase their talents in various art forms, including folk dance, music, and art representing different states of India, as well as highlighting the significance of different historical periods on contemporary society. In addition to Tarang, students participate in various cultural celebrations such as Diwali, Pongal, Ramadan, Navratri, and other patriotic events. Furthermore, the institution organizes events commemorating national and international days of significance to inspire and motivate students</p>

5. Focus on Outcome based education (OBE):	<p>The specific aim of implementing and achieving outcome-based education is to ensure that the curriculum is meticulously crafted to attain the precise knowledge or skills that students are expected to acquire. These objectives are encapsulated in the form of Program Outcomes (POs), which encapsulate the skills, knowledge, and proficiencies of graduates across various fields of study. In the realm of outcome-based education, a "design down" approach is utilized, starting from POs and cascading down to Course Outcomes (COs) and individual learning experience outcomes. Each CO must be articulated with precision, focusing on the specific performance expected from students. Faculty members must be capable of assessing each Course Outcome using appropriate verbs outlined in Bloom's taxonomy. Additionally, each course outcome should be realistically achievable with a reasonable amount of effort and application of acquired knowledge by students. Furthermore, course outcomes are aligned with program outcomes, and data is gathered from various assessment tools, including internal assessments, assignments, projects, and lab experiments, to evaluate CO achievement. The quality of assessment tools is rigorously checked by the course coordinator to ensure comprehensive CO coverage and appropriate difficulty levels in question papers. Targets for achieving course and program outcomes are established in advance by the course instructor based on previous performance metrics. The process of calculating CO and PO attainment begins with CO assessment, and the values obtained are subsequently utilized for PO calculation. These levels of attainment for program outcomes are scrutinized to identify any potential gaps at the program level, and appropriate action plans are devised.</p>
6. Distance education/online education:	<p>Our institution has adapted and thrived during the challenges posed by the COVID-19 pandemic. Here are some key benefits and advantages of embracing online learning and virtual platforms: Continuity of Education: By shifting classes online, organizing webinars, and conducting faculty development programs virtually, we ensured that the learning process continued uninterrupted despite the lockdown restrictions. This kept students engaged and motivated to continue their education. Flexibility and</p>

Accessibility: Online learning platforms such as NPTEL offer a wide range of courses accessible at the convenience of students and faculty members. This flexibility allows individuals to learn at their own pace and schedule, accommodating various learning styles and preferences. Skill Development and Upgradation: Engaging in online courses and virtual learning opportunities enables students and faculty members to enhance their skills and stay updated with the latest developments in their respective fields. This continuous learning fosters personal and professional growth. Geographical Reach: Virtual platforms eliminate geographical barriers, allowing our institution to reach a wider audience beyond its physical location. This expands the reach and impact of our educational initiatives, attracting students and participants from diverse backgrounds and locations. Cost-Effectiveness: Conducting activities in virtual mode can be more cost-effective compared to traditional in-person events. It reduces expenses related to travel, venue rental, and logistics, making it a more sustainable and efficient option for organizing conferences, meetings, and workshops. Innovation and Experimentation: Embracing virtual platforms encourages innovation and experimentation in teaching and learning methods. It opens up new possibilities for interactive and collaborative learning experiences, such as virtual laboratory classes, simulations, and multimedia presentations. Overall, leveraging online learning and virtual platforms enables our institution to adapt to changing circumstances, enhance accessibility, promote continuous learning, reach a broader audience, and foster innovation in education delivery. By embracing these opportunities, our institution can continue to excel and thrive in the digital age.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?

The Velammal Institute of Technology and Management has established an Electoral Literacy Club. This club was founded in 2023 with the aim of involving students in the national electoral process. Its primary function is to raise awareness among

	students about the importance of contributing to nation-building by actively participating in voting and electoral activities.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes. The student coordinator for the academic year is: DHARANI DHARAN D Second Year (CSE) HEMA PRIYA G A Second Year (ECE) Coordinating Faculty Mr RAJA, Assistant Professor, CSE Dr R JAGANRAJ., Associate Professor, Chemistry
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	These initiatives may encompass various forms of voluntary participation by students in electoral activities, such as assisting in voter registration drives for both students and communities they belong to, supporting district election administration in polling activities, conducting voter awareness campaigns, advocating for ethical voting practices, and fostering increased engagement of marginalized groups in society, including transgender individuals, commercial sex workers, persons with disabilities, and senior citizens. Furthermore, awareness programs are regularly organized for newly enrolled students, often featuring guest speakers such as social workers and YouTube influencers who aim to educate about voting rights and the importance of exercising one's vote. Collaborative efforts with the Thane Municipal Corporation are undertaken to conduct voter registration camps specifically tailored for eligible students. Additionally, plans are underway to organize voter awareness camps targeting the general public, particularly senior citizens and persons with disabilities, in the future. Looking ahead, the Electoral Literacy Club (ELC) intends to collaborate with NGOs to launch initiatives aimed at increasing the participation of underprivileged segments of society, including transgender individuals, commercial sex workers, persons with disabilities, and senior citizens, in the electoral process.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	ELC- has conducted an awareness drive in the village areas along with an NGO, in the month of November 2023 and educated underprivileged class of society about the voting rights. On the Republic day, Jan 26, 2024 , a group of NSS students organized a play to emphasize the role and participation of youth in shaping the country. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts

	<p>by the College to institutionalize mechanisms to register eligible students as voters. In a large democracy like ours, the strength lies in an informed citizenship and active participation in the electoral process. With this idea in mind, ELC has initiated a comprehensive Voter Registration drive in association with Thiruvalluvar District Ponneri aimed at ensuring that everyone's voice is heard. Each vote can make a difference, influencing policies from local matters to national importance. Voter registration drive is proposed to be conducted at Institute for above 18 yrs of age students every year</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>In our expansive democracy, the cornerstone of strength resides in citizens being well-informed and actively engaged in the electoral process. With this principle in focus, the ELC has launched an extensive Voter Registration campaign in collaboration with the Tiruvallur Collector Office, with the objective of ensuring that every individual's voice is duly heard. Recognizing the impactful potential of each vote, from shaping local policies to influencing matters of national significance, the initiative aims to conduct a Voter Registration drive annually at the Institute for students aged 18 years and above.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1521	1264	1252	1360	1510

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 162

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
98	90	88	90	102

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
1025.44	586.97	543.00	1137.56	1172.39

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Velammal Institute of Technology is affiliated to Anna University, Chennai and follows the curriculum designed by Anna University, Chennai. The university develops and revises the syllabus every four years and the curriculum is a combination of Basic Engineering, Basic Sciences, Humanities, Core courses and Elective courses and value-added courses are offered to fill curriculum gap.

The academic calendar containing all the academic activities of each semester is prepared by college and circulated to all the faculty members and students at the beginning of the semester. The academic calendar provides the details of working days, holidays, Internal assessment exams and Semester exams. Academic calendar prepared by the department contains the details of events planned like Seminars, Conferences, Symposium, Workshops, Value added course, Guest Lectures and Industrial Visit.

Subject allocation is done by the Head of the Department to all the faculty members, completely based on experience, domain area, and past performance of them. For each course, subject expert is identified as course coordinator, and domain expert is identified as module coordinator. Time table for all the classes are created by considering the placement training, club activities, sports hours and library hours. Lesson plans, lecture notes, question banks and lab manuals are prepared by individual course coordinator and is distributed to students well in advance. Two staff members are assigned individually for each Laboratory classes to provide attention to each student. Guest lectures, industrial visit, and training programs are organized to provide students with a positive learning environment. Faculty members are always encouraged to participate in lab orientation programs before starting the semester and so they can be aware of lab sessions.

Each faculty member maintains course file and log book for each courses, which is periodically reviewed by the HoD to ensure proper execution of syllabus coverage. The same report has been submitted to Vice principal and Principal after the completion of each unit. In addition to this every moth Internal Audit is conducted by IQAC and the report has been submitted to IQAC cell.

Examination process is very systematic and the institution has standardized internal examination question paper format, which is identical to university end-of-semester question papers and includes Part

A, Part B, and Part C questions as necessary.

Internal assessment-I covers Unit I and Unit-II(1/2), Internal assessment-II covers Unit-II(1/2) and Unit-III, Internal assessment - III covers Unit-IV and Unit-V (1/2) and model Exam covers the entire syllabus of a particular course. Regarding the exams, course incharge prepares **two sets of question papers** that will be given to the exam cell. The Head of the Institution then chooses any one of the question papers from the sets given and is distributed to the students when the assessment is taking place. Answer scripts are validated by the course incharge with complete transparency and cross validated by HoD and the final marks are sent to the exam cell.

Department Review meeting (DRM) is conducted after each internal assessment in order to discuss the performance of the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 48

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Other Upload Files

1

[View Document](#)**1.2.2**

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 61.75

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
947	802	781	853	882

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment**1.3.1**

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Professional Ethics and Human Values

Anna University has added Professional ethics in curriculum as an elective course to develop the professional ethics among the engineering students. In addition to that the college also takes efforts for the development of ethical and human values through extracurricular activities. To inculcate human values among students many activities are conducted under NCC, NSS and YRC such as Tree plantation,

Yoga, First Aid awareness, Blood Donation and Meditation. Students are always motivated to undergo internships during holidays to get some exposure of the professional environment. Various programmes such as workshops and seminars are organized to create awareness of ethical and human values among students. Ethical practices such as truthful information, facts, are taught in content of syllabus and certificate courses. Career Guidance and Placement Cell organized placement activities including training, development of students, aptitude test etc. on a regular basis as per the requirements of industry. The students must become empowered professionals and contribute to the economic and technological development of the nation besides acquiring skills for logical reasoning and decisions in times of crisis

Gender

The institution knows the values of Gender equality and both male and female students are given importance in terms of admission, jobs, training courses and all kinds of co curricular and extra-curricular activities. Women Empowerment Cell of the institute has been working consistently for women safety in the campus. Many programmes are conducted by Women Empowerment Cell to promote gender equality. Women's Day is also celebrated in the institute every year and many activities are conducted for all the female students and female faculty. In addition to all, many workshops are also arranged for Women empowerment, Gender equality and Sexual Harassment. Different clubs in our institute are always open to both boys and girls for the participation of the activities. To promote gender equity among the students, Institute supports flexible seating arrangements in the class rooms, equal representation of both genders in the leadership positions of class and college level committees, curricular and co curricular activities. The Institute makes concerted efforts to create a congenial environment free from gender discrimination through mutual respect.

Environment

Anna University has added a mandatory course on Environment Science and Engineering to create awareness about environment among all the students. Various programmes such as Tree plantation, Temple Cleaning and health and hygiene camps are conducted under NCC, NSS and YRC. Go Green Club of our college has conducted awareness programmes on avoiding plastic usage, conservation of energy, rain water harvesting and a forestation. All the students and employees are encouraged not to use plastic inside the college campus. Students are always encouraged to do more number of projects related to environment sustainability and finding solutions to the problems. Through this course, students are sensitized to ecological and environmental issues connected with land, air, and water, with awareness on sustainable development.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 47.21

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 718

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System**1.4.1**

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 70.4

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
507	433	283	269	261

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
570	510	510	420	480

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 66.98

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
321	274	195	177	191

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
395	355	355	291	333

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 15.52

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

VELAMMAL INSTITUTE OF TECHNOLOGY provides an effective platform for students to develop the latest skills, knowledge, attitude, and values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes annual technical fest in which students showcase their learning in the form of innovative projects. Students are motivated to participate in inter-college as well as national-level competitions. The Institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

EXPERIENTIAL LEARNING

Velammal Institute of Technology emphasizes hands-on experiences to enhance understanding, skill acquisition, and personal growth, preparing students for real-world challenges. Internships are central, offering practical training in authentic work environments. Through these, students gain essential skills, industry insights, and professional competencies, while developing critical thinking, problem-solving, and communication skills.

Add-on courses in technologies like NPTEL, ICT, and Coursera, offered by institutions such as IITK, keep students competitive in the job market by providing cutting-edge knowledge and skills. Industrial visits offer firsthand exploration of organizational practices, deepening theoretical understanding, enhancing industry readiness, and broadening perspectives.

Certification courses further enhance employability by offering specialized skills and industry-recognized credentials. These courses demonstrate a commitment to continuous learning and professional development, positioning students as valuable assets to employers and ensuring success in today's competitive job market.

PARTICIPATORY LEARNING

Initiatives, such as Innovate 2k23 projects and cultural programs, provide platforms to showcase creativity and talents. These projects foster collaboration, innovation, and critical thinking, empowering students to apply knowledge in practical and innovative ways. Engaging in hands-on projects and cultural activities, students develop essential skills such as teamwork, leadership, and adaptability, invaluable in both academic and professional settings. Presentation and publishing opportunities, including conference and journal paper presentations, enable students to share research findings with a broader audience. These experiences contribute to knowledge advancement while enhancing communication and presentation skills. Disseminating work to the academic community establishes students as thought leaders and experts, paving the way for future academic and professional success. Guest lectures featuring industry experts offer valuable insights into current trends and practices within respective fields. Engaging with industry professionals, students gain practical knowledge and valuable networking opportunities that can significantly impact future careers. These lectures provide a glimpse into workforce realities, helping students make informed career decisions.

PROBLEM-SOLVING METHODS

Including regular assignments, mini-project development, and participation in inter-college events, challenge students to apply their knowledge to real-world problems. These activities foster critical thinking, creativity, and collaboration, equipping students with essential skills for academic and professional success. By tackling complex challenges and overcoming obstacles, students develop resilience and confidence in their abilities, preparing them to excel in any endeavor. These experiences promote a hands-on approach to learning, ensuring students are well-prepared to meet the demands of their future careers and effectively solve problems in diverse settings.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 97.3

2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
101	96	95	93	96

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last

five years (consider only highest degree for count)

Response: 29.7

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
34	29	28	25	23

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

1. Conduction:

Three internal assessment tests and a model examination are conducted each semester by the exam cell of the institution. The end semester examination is organized by the University. The college strictly adheres to the guidelines and rules issued by the affiliating university for conducting end semester examinations. An examination committee is established, with Principal as Chief Superintendent, teaching faculty members as overall coordinators and department coordinators, and other teaching and non-teaching staff providing support to ensure the smooth execution of the end semester examinations.

2. Evaluation:

The process of internal assessment evaluation is completed within five working days. Students who are absent for an Internal assessment test due to genuine reasons can write retest. The attendance record of each student is maintained and due weightage is given for attendance in theory class and practical sessions. The evaluation of all the University (End Semester) Exams is done through a centralized assessment process monitored by the University.

3. Grievance Redressal:

After evaluation of internal assessment, the answer scripts are given to the students to check any discrepancy or doubts in evaluation. Students can express grievance to the University for End Semester Examinations by applying for the Revaluation process. Students can apply for the revaluation for their answer script before last date given by the university after declaring results. If the student is not satisfied with revaluation results, he/she can go for challenging the results as per the rules and regulations of university examinations.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website.

Program Education Objectives, Program Outcomes, and Course Outcomes are clearly defined and disseminated on the Institute's website and conveyed to the individual subject teachers and students for all the programmes offered by the Institute. The institution implements the following mechanism to share learning outcomes with teachers and students.

The Internal Quality Assurance Cell (IQAC) discusses with various stakeholders and adopts the methodologies to frame, finalize and publish Program specific outcomes (PSOs) and Program Educational Objectives (PEOs). The objectives and outcomes for all the programs offered by the institution are stated and displayed on the college website www.velammalitech.edu.in they are also clearly displayed in the department.

1. During the obligatory Orientation programmes, all students are informed about the objectives and expected outcomes of their programme.
2. Students are also educated and given a detailed curriculum, course outcomes, and assessment strategy for each course.
3. The Course Outcomes (CO) were defined by the course coordinator in consultation with the Module coordinator and approved by the Programme Assessment Committee (PAC).
4. The course outcomes, in general, focus on the student's readiness for placements, higher education, research, entrepreneurship, and competitive examinations.
5. The POs, PEOs and COs can be accessed through the college website.
6. The significance of learning outcomes will be highlighted to the teachers during the Department meeting.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Self Study Report VELAMMAL INSITUTUTE OF TECHNOLOGY. The PEOs have been divided into three categories: intellectual values, social sensitivities, and moral values. Also, by including different system stakeholders, the skills and performance indicators for each of the program's educational goals are set. This leads to the development of a wide range of course-level competencies and performance indicators.

The department regularly carries out assessments to find, collect, examine, and assess data in order to

meet Course Outcome (CO). Information from many theories, the lab course, and the project course are taken into consideration for calculating CO accomplishment.

The procedure for attainment of course outcome of all courses with respect to set attainment levels is shown below:

- Internal Direct Assessment (IDA): - Marks secured in internal assessments, model examination and assignments- weightage 80%
- Internal Indirect Assessment (IIA): - Consolidation of student course exit survey in scale of 1-4-weightage20%
- CO-Internal Assessment:- Internal Direct Assessment(80%) + Internal Indirect Assessment(20%)- wieghtage 60%
- External Assessment: - Marks secured in Anna University examination-wiegtage 40%.
- The overall CO attainment is calculated by internal assessment with 60% weightage and external assessment with 40% weightage.

The attainment level is set as follows:

- Attainment Level 1: 60% students scoring more than 60% marks out of the relevant maximum marks
- Attainment Level 2: 70% students scoring more than 60% marks out of the relevant maximum marks.
- Attainment Level 3: 80% students scoring more than 60% marks out of the relevant maximum marks
- The attainment of CO against the target is checked and the level of attainment and the level of competency are increased, if the target is achieved for three consecutive years.
- Module coordinators meeting minutes, course assessment and instructor reports are analyzed and measures to be taken in the next academic year are consolidated and submitted to PAC.
- PAC meeting is conducted to discuss and approve the necessity of amendments in content delivery method, content beyond syllabus and activities recommended by module coordinators.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)**Response:** 97.52**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
254	262	432	383	400

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
267	263	432	391	422

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey**2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.78

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 170.09

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
34.991	0	23.30755	30.2901	81.50056

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

Velammal Institute of Technology has established a productive atmosphere with state-of-the-art facilities and guidance to provide an ecosystem for innovations. As an initiative, following facilities are created for knowledge/skill enhancement

1. Institute Innovation Council (IIC):

- Institution Innovation Council (IIC) established as per the norms of the Innovation Cell, Ministry of HRD, Govt. of India during the academic year 2021-2022.
- Idea Hackathon and Expert Talks on Entrepreneurship Awareness, Start-up Culture are conducted to empower students to translate their ideas into ventures. As an outcome, 6 startups

established.

- Rated with four stars for undertaking various activities prescribed by Innovation Cell, Ministry of HRD, Govt. of India during the academic year 2022-23.

2. Intellectual Property Rights (IPR) Cell:

- IPR Cell is committed in encouraging, protecting, managing, and commercializing Intellectual Property, such as patents, Copyrights, Trademarks, etc., generated through the College.
- Various events have been organized to encourage Faculty and students related to patent filing, searching, publishing and patent grant. As an outcome our faculty along with students published 53 patents and 11 grants.

3. Indian Knowledge System (IKS):

IKS activities are organized to create awareness about heritage in young minds.,

- The students in semester I are studying one credit course entitled “GE3152 Heritage of Tamils”. In this course, they are studying various topics such as Language and Literature, Heritage encompassing Rock art paintings to modern art and Sculpture, Folk and martial arts, the Thinai concept of Tamils, as well as the Contribution of Tamils to the Indian National Movement and Indian culture.
- IKS awareness programs for Yoga, Silambam and Bharathanatyam competition are conducted.
- Silamabam and Yoga training given to students, which offers a holistic experience that encompasses physical fitness, mental discipline and cultural appreciation.

4. Research and Development Cell (R&D Cell):

- The College has an exclusive R&D Cell to establish an R&D culture at the Institute by promoting research awareness among teachers and students
- Incentives will be given to faculty for their R&D contribution. Seed money also provided for innovative ideas to encourage faculty and students to develop prototype and product.
- Received grants of Rs 170.78921 Lakhs from various funding agencies and since inspection published 648 articles in peer reviewed journals and scopus indexed book chapters, as well as 23 books and 633 conference proceedings.
- Our Institute has been recognized as a Scientific and Industrial Research Organization (SIRO) by the DSIR, Govt. of India
- Departments ECE and Physics has been recognized as a Research Centre by Anna University for conducting Ph.D. programme.

5. Incubation centre:

Four Incubation centre established to develop innovative solutions to real-world problems through collaboration with faculty, students, and industry experts. It also develops industry-relevant skills and expertise for students through internships, projects, and collaborations with industry-supported labs.

- Centre for Real Time Image Processing
- Centre for National Instruments LabVIEW Academy
- Centre for Advanced Energy Devices
- Centre for Robotics and Automation

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 147

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
67	26	20	20	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 2.59

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
191	108	56	40	25

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 4.05**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
276	80	68	120	112

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

Velammal Institute of Technology has made noteworthy contributions to society and the environment by participating in promoting the Institute-Neighborhood-Community network. The Unnat Bharat Abhiyan Cell (UBA Cell), National Cadet Corps (NCC), National Service Scheme (NSS), Youth Red Cross (YRC), and Students Forums (Yelcom Revolutionary Club, Go Green Club, Quanta Club, Integration Club, Zenith Club, Coders Club) are among the organizations that mentor students from diverse disciplines in a variety of outreach initiatives. Our institution offers a wide range of outreach programs that cater to diverse community needs while providing students with invaluable opportunities for both personal and professional growth.

Unnat Bharat Abhiyan Cell (UBA Cell):

Our Institute has adopted five villages from the Thiruvallur district under the UBA Cell which includes Karanodai, Kannigaipair, Amindanallur, Chinnambedu, and Panchetti. With funding from the Directorate of Technical Education, the unit conducted a survey to assess the socio-economic development of the adopted villages followed by societal activities.

National Cadet Corps (NCC):

Since its establishment in 2017, our institution NCC Army wing (1-TN Battalion) has grown significantly, starting with a cadet strength of 52 and adopting the motto of 'Unity & Discipline'. In addition to regular NCC camps, the unit has been proactive in organizing 15 social, environmental and educational outreach programs including Swachh Bharat Abhiyan, Swachhta Pakhwada Activity, Puneet

Sagar Abhiyan, Tree Plantation Programme, and various awareness programs like Drugs Awareness Campaign and Plastics Awareness Rally.

Youth Red Cross (YRC):

One of the significant initiatives undertaken by YRC unit, in collaboration with the NSS (National Service Scheme) unit, is the annual blood donation drives. These drives, organized in partnership with the Indian Red Cross Society and RIGHT Hospitals, Chennai, have served as crucial platforms for promoting the noble cause of blood donation. Over the past five years, a total of 503 students have generously donated blood during five camps. YRC also conducted free health and eye checkups for nearby villagers in collaboration with Dr. Agarwals Eye Hospital and the Government Hospitals.

National Service Scheme (NSS):

Our NSS unit actively conducts awareness campaigns on a range of social and environmental issues. These campaigns serve as platforms for educating both students and the community about Environmental awareness, Girl child protection, sanitation and Ban Plastics. In addition, the NSS unit organizes tree plantation programs to promote environmental conservation. Furthermore, our NSS unit regularly visits orphanages and old age homes. These visits provide students with opportunities to interact with marginalized groups and develop empathy and compassion.

Students Forums:

The Students Forums and Clubs at our college have been actively engaged in extension activities. One of the key initiatives undertaken by these forums is skill development training programs for rural area and government school students across Tamil Nadu.

These activities connect students with the larger social issues in the community and make them socially responsible, sensitive and thus facilitate holistic development.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

The Velammal Institute of Technology has conducted numerous extension initiatives in neighboring communities and has been recognized by both government and non-governmental organizations with awards and letters of gratitude.

Appreciation Certificates for Service in Blood Donation Camp Organization

During the 2022-2023 academic year, our YRC Club earned recognition from the Right Hospitals Blood Bank, Chennai, for organizing a Blood Donation Camp with 91 student volunteers.

The Indian Red Cross Society, Tamilnadu Branch, has graciously appreciated our blood donation camp, presenting certificates to honor the YRC Unit's efforts over the past four academic years:

- Academic year 2021-2022 with 124 Donors
- Academic year 2020-2021 with 127 Donors
- Academic year 2019-2020 with 103 Donors
- Academic year 2018-2019 with 242 Donors

Appreciation for Free Admission Advocacy

Our management is committed to uplift underprivileged students, focusing on their education and empowerment. Nine economically poor students were granted free admission through the Maatram Foundation (NGO), with their tuition and accommodations covered. The nonprofit Maatram Foundation awarded us a certificate of recognition for this initiative.

Appreciation for Go Green Initiatives

- Our Energy Club was given an award by “ Tamilnadu Generation and Distribution (TANGEDCO) Corporation” for its social responsibility and energy-saving initiatives.
- Numerous Tree plantations in nearby villages and government schools were coordinated by our NSS and NCC teams. Our Go green Initiatives and tree planting campaigns were acknowledged by the Nethaji Social Welfare Organization (NGO), Thadaperumbakkam Village Gram Panchayath, Tamil Monthly Magazine such as Education World and Kalvi Chutar.

Appreciation for Social Issues Awareness Campaign

- For school students, YRC volunteers led an awareness session on personal hygiene and health fitness. The head master of Government Boys Higher Secondary School, Madarapakkam gave an appreciation certificate after observing our students' commitment to social work and volunteerism.
- Through several of initiatives, our college has been actively combating youth drug usage. Our Institute organized many campaigns against drug abuse and illegal trafficking which is recognized by Thiruvallur District administration.

Tender Touches: Commending Visits to Orphanages and Old Age Homes

- Helping the elderly and orphaned is a wonderful endeavor. Our NSS unit visited elderly homes and orphanages. Students get the chance to engage with underprivileged populations and cultivate compassion and empathy through these excursions. The non-profit organization Hope Vision India acknowledged our efforts with a certificate of gratitude for helping the elderly and orphans.

Appreciation for Skill Development Outreach Programs for Rural and School Students

Not only does our college offer its own students skill development training, but it goes beyond that. Through the provision of both virtual and physical instruction, it reaches out to students in rural and semi urban areas, offering its experience. The Government Industrial Training Institute, Rotary Club of Trichy Kings, and Rotary Club of Nappatinam appreciated this effort with certificates.

Above all, as a result of the socially conscious culture our institute fosters, one of our students was awarded THE HONORARY DEGREE DOCTORATE IN HUMANITY (HANARIS CAUSA) by Universal Press Media Education Vidyapith for his humanitarian service.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 42

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
11	15	8	5	3

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

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

Response: 39

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

Class rooms, Seminar Halls and Library:

The Velammal Institute of Technology is spread across 10.5 acres. It has an excellent technological facility required for an effective teaching and learning process. The whole campus, including the Hostels, are covered with Wi-Fi hotspots. The facilities of the institution are 37 ICT-enabled classrooms, 2 drawing rooms, Examination Cell, 6 seminar halls equipped with speakers, microphones along with LCD projectors, 75 inches smart boards, 2 Auditoriums with max 400 seating capacity and one Air-conditioned Board Room. The 1060 sq.m Computerized Library is integrated with AutoLib software and consisting of 21441 books with 5296 titles.

Laboratory

Institution is well equipped with 32 laboratories with adequate facilities as per the curriculum and well maintained. Additionally Research labs and Industry sponsored labs are encompassed.

Computing equipment

There are 714 computers in total for our department labs which leads to Student Computer ratio 2:1, 198 of which are brand-new desktops with i5 processor, 8GB RAM, 2GB Graphics card and 1TB hard drive. The entire campus has access to a 100% power backup system.

Internet Facility

Our college has a dedicated 500 Mbps leased line connectivity from Airnet for providing uninterrupted internet services to the systems. There is a separate server room which provides all network connectivity, administrative services throughout the campus. Entire campus is Wi-Fi enabled with secure log-in mechanisms and 26 new Access points in various location of every floor.

Sports, Cultural, Yoga and Gymnasium facilities

The total area of the playground is 38,690 sq.m. It includes a variety of outdoor games facilities: one cricket ground (7700 sq.m), one basketball court (420 sq.m), one volleyball court (162 sq.m), one handball court (420 sq.m), one football field (5027 sq.m), a 400m athletics track, one throwball court (224 sq.m), one kabaddi court (130 sq.m), and one kho-kho court (290 sq.m). The indoor games facilities consist of two badminton courts (82.812 sq.m each), one table tennis room, one carom and chess room (135.4 sq.m). Additionally, the campus has adequate facilities for practicing and organizing all types of cultural events, gymnasium and yoga.

General Facilities

The comprehensive facilities encompass well-tended gardens, ramps and wheel chair facility for disabled access, elevators, separate accommodations for ladies and gents in hostels, canteens, a health center, round-the-clock campus vehicle service including ambulance for medical emergencies, first-aid facilities, fire extinguishers, a 320 KVA Kirloskar Generator, RO water purifiers, a fleet of 19 college buses, designated parking areas for two-wheelers and four-wheelers, stationery shops, a Reprography, cafeteria, solar panels, a sewage plant, and 99 CCTV cameras equipped with 11 CCTVDVR units to ensure surveillance across the premises.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 14.17

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
112.04	87.39	34.39	129.33	269.68

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

Our college has 1060 sq. m. computerized Central Library and it has 21441 books with 5296 titles. A hard disk consists the videos of NPTEL courses and other various online courses are available for the user's reference. We have subscribed to NPTEL, IEEE, NDLI & DELNET E resources for accessing more than 207 National & International journals. In addition to the above, 114 hard copies of National & International Journals are also available for easy access. The internet facility with centralized Wi-Fi of 500 Mbps connectivity is available for students and faculty members for accessing the digital collection. The library maintains an efficient organizational system, arranging and classifying books according to the Universal Decimal Classification Scheme. AutoLib, renowned Library Automation Software is used to disseminate and cater the needs of its users.

The library is well-equipped with a Digital Library area spanning 150 square meters, a spacious reading space covering 500 square meters, and a seating capacity maximum 200 individuals. There are 22 book racks available to organize the collection, along with 20 computers and a separate library server.

The library is kept open from 8 am to 7 pm in all working days and during holidays it will be open from 9 am to 4 pm for the benefit of its users. As an incentive for high-achieving students, two additional library cards are issued to those who secured above 8.5 CGPA in their university examinations.

For copying and printing needs, there are two reprography machines available for both students and staff. Scanning facility is also available for the users to upload their hardcopies in digital format. The library is divided into various sections, including the Book Circulation Section, Book Stack Section, Book Reading Section, Photocopy Section, OPAC Service Section, Digital Library and Reference Section, ensuring that patrons can easily locate and access the resources they need. Barcode facility is initiated and made into practice since 2008 for easy usability and the same is printed in the identity cards of students and staff members.

To maintain security and monitor library usage, every entry and exit of users is registered with their identity using a barcode sensing mechanism at the library entrance. For additional security round the clock CCTV camera is installed inside the library. Many users avail the library and the library has the average of 330 above users per day. All the students and staff members use the library for teaching, learning and pursuing research. Apart from this, each department has its own department library for their students and staff members.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

System Resources

Velammal Institute of Technology provides excellent IT facilities to the students and the faculties. The number of available computer systems with LAN connection is 621. The highly configured Personal Computer with 8 GB RAM and 1 TB HDD is accessible. Four Data server is maintained in the server room for providing network connectivity in the campus and one web server is maintained as cloud server.

The College has employed a full time IT consultant/ System Admin for maintenance and support of the ICT infrastructure. LAN and Network connections are effectively monitored by the IT consultant. The institution provides access to desktop systems to both the faculty and the students which allows them to make use of computer aid for academic projects, practical sessions and learning.

Wi-Fi and Internet

Internet facility is supplied through Airtel and BSNL services with the bandwidth of 500 Mbps and 50Mbps respectively. The computers from different blocks are inter-connected with LAN through switches. The entire campus including hostel block has various Wi-Fi access points to gain educational

resources through internet and intranet service. The Internet service from various networks is available to the students in the campus and they are provided with unlimited data.

E-Services

ERP - VKP College Management Software is effectively used as a Learning Management System by the faculty and the students for learning process. Teaching faculty and Non teaching staffs Attendance is properly maintained in ERP. For all the faculty members and the students, a unique mail id is created in college domain..

Google Classroom is used for teaching learning process. Placement Training programs are periodically conducted to upgrade the programming skills and soft skills of the students and faculty members. To organize Webinars and alumni talk series in collaborative and comprehensive manner, Telecommunication Apps like Google Meet, Zoom and MS teams are used.

Software Tools

The desktops run on the windows 7, Fedora, windows 10 and windows 11 operating systems. Office automation packages like MS Office and Antivirus have been purchased by the college and updated regularly. The college provides all standard econometrics, statistical, computational and scientific typesetting packages such as Lab view, STAAD Pro, Auto CAD, Turbo-C++, Oracle/my SQL, ORCAD, EDWIN XP, MATLAB, Xilinx, TANNER, Etap, Ansys and IBM SPSS which are either open access or licensed software. College is completely equipped with surveillance cameras for effective monitoring and security purpose.

Updating the IT facilities

Based on the gradual increase of the student intake, the number of systems in all the laboratories is updated. As per the AICTE norms, the student to computer ratio is maintained as 2:1. To carry out research and project activities, highly configured systems are maintained. Based on the research requirements, necessary software, hardware devices, computer systems and its peripheral devices have been purchased. The students are permitted to utilize the systems with internet facility in college central library too.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 2.45

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 621

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1**

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 37.29

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
424.62	226.47	256.24	343.13	414.52

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 75.42

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1422	666	848	1131	1142

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 71.06

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
999	898	798	984	1229

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 74.41

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
184	227	302	270	305

5.2.1.2 Number of outgoing students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
254	262	432	383	400

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 13.54

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
18	16	5	9	12

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 30

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
14	4	3	1	8

File Description**Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 33

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
44	32	0	43	46

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

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

Response:

Velammal Institute of Technology is committed to be a leader in innovative workforce development and a world class learning venue for the ever changing needs of Business and Industry. It has always taken pleasure in creating a sense of community that persists long beyond graduation in addition to offering education. The first batch of Velammal Institute of Technology Alumni bloomed out in April 2012. Since its inception, the Alumni Association has been actively involved in various activities, focusing on the vision and mission statements. The Alumni Association envisages acting as a bridge between the students, management, faculty and alumni of Velammal Institute of Technology for mutual benefit. It helps to build a better interaction among the alumni, students and faculty and to improve the quality of service offered to students that in turn will contribute to the benefits of the society. The Alumni Association also acts as a forum for exchange of information among its members, with the objective of providing student guidance for higher studies and career development, with support from alumni. The association is actively engaged in creating a congenial rapport with the alumni committee office bearers. The Alumni engage themselves in contributing to the college through various activities like delivering guest lectures, acting as chief guest for various events at the college, mentoring junior students and expert members apart from providing industrial and placement linkages. Our Velammal Institute of technology Alumni association has been registered on 7th March 2023 and it is named as VELITA.

Alumni play a pivotal role in the growth and development of their alma mater.. Here are several key areas where alumni contributions are invaluable:

1. Mentorship and Guidance

Career Mentoring:

Our Alumni provide invaluable career advice, helping students navigate their career paths. They can share insights about various industries, job markets, and emerging trends.

Technical Workshops and Seminars:

Our Alumni conducts workshops and seminars on the latest technologies, industry practices, and innovative projects, bridging the gap between academic learning and real-world applications.

Internship and Job Placements:

Alumni working in various organizations facilitate internship and job opportunities for current students, helping them gain practical experience and improve their employability.

2. Enhancing Academic Programs

Curriculum Development:

Alumni contribute to the development of the curriculum by sharing industry insights and advising on the skills and knowledge that are in demand in the job market.

Guest Lectures and Adjunct Faculty:

Alumni participate as guest lecturers, bringing practical perspectives and specialized knowledge to the academic programs.

3. Motivation

Success Stories:

By sharing alumni success stories that inspire current students, showcasing the potential career paths and achievements that are possible with a degree from their college.

Conclusion

Alumni contributions are crucial in shaping the future of our Institution. By sharing their knowledge, and fostering a strong community, alumni help create a dynamic and thriving educational environment. Their engagement ensures that the college continues to evolve, maintain high standards, and produce graduates who are well-prepared to meet the challenges of the engineering profession.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Our institute is very particular is emphasizing the vision and mission in align with its governance and administration.

Our Vision:

- To be a leader in imparting quality technical education, research & enterprising skills in pursuit of professional excellence

Our Mission:

- To promote quality education & technical skills to meet the industry requirements
- To incorporate team work, leadership skills & lifelong learning
- To facilitate career development & higher education assistance
- To encourage innovative ideas for research & development and entrepreneurship for societal needs
- To inculcate ethical responsibility & human values

NEP Implementation:

We strongly believe that NEP 2020 is the acumen for future education and we are persistent in implementing the policies related to our vision and mission of our institute. As NEP says, “Universal high-quality education is the best way forward for developing and maximizing our country's rich talents and resources for the good of the individual, the society, the country, and the world”, we focus to provide high quality technical education with required skills to all our students. As stated by NEP, “Outstanding and effective institutional leadership is extremely important for the success of an institution and of its faculty”, we believe that teamwork, leadership skills & lifelong learning are very important for the growth of our institution.

Sustained Institutional Growth:

The vision and mission is chiseled in such a way that it should nurture the sustained institutional growth of our institute in the long run. We believe in team work, so each and every member of the institute is considered as important and their role is considered as the back bone of the development of our institute. The growth is measured in the form of plan for every year and a strategic plan is made once in five years to confirm the sustained institutional growth.

Decentralization:

The decentralization of power is disseminated in the institute through various bodies and committees to ensure the smooth flow and action. They are,

- Governing Council
- IQAC
- Training and Placement Cell
- R &D Cell
- Examination Cell
- Grievance Redressal Cell
- Internal Compliance Committee
- Anti- Ragging Committee
- Women Empowerment Cell
- Institute Innovation Council
- SC / ST Committee

Institutional Governance:

Governing Council is the apex body of our institute which decides and approves all the major decisions and practices planned and scheduled every year. The council has

- Chairman
- Director
- Member Industrialists
- Member Educationalists
- Trust Nominees
- Member Academicians
- Ex-Officio Member

Perspective Plan:

Short Time Goals:

- Increase students intake
- Start new courses
- Upgrade Campus Facilities
- Good Placement or Support for Higher Education or Entrepreneurship
- Strengthen Financial Stability
- Enhance Student Life

Long Time Goals:

- Academic Excellence
- Achieve National and International Recognition
- Enhance Campus Infrastructure
- Increase Financial Stability and Growth
- Strengthen Alumni Association and Charity
- Industry – Institute Integration
- Growth in Research and Development

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment**6.2.1**

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

The institute has designed and tailored a FIVE YEAR Strategic Plan in align with its vision and mission. We believe that each goal in our plan is ideal to our environment and for the development of our institute. The plan is made by the Principal after the consultation of the Management and Governing Council members for the sustainable growth and welfare of the institute related to admissions, finance, infrastructure and function.

Strategic Plan in Nutshell:

- 1.Maintaining within top 10 rank in Anna University Results
- 2.Increase in intake and starting new courses
- 3.Establishing Research centres
- 4.More University Ranks
- 5.Creating more entrepreneurs
- 6.100% Placement Target
- 7.More Infrastructure and Facilities
- 8.NBA Accreditation to all the departments
- 9.Maximizing Research Grant and Projects
- 10.NIRF Ranking within the 150 to 200 bandwidth
- 11.Autonomous status
- 12.Establishing Industry – partnered Centre of Excellence
- 13.Student’s average salary package is 7.5 LPA
- 14.100% core company placement in top companies

The Human Resource (HR) Policy of the institute caters the needs of the employees. The extensive details in the policy give clarity to the teaching and non teaching faculty to know their work environment and the benefits.

The institute has an extensive HR Policy comprising the details of

- Norms for Faculty Recruitment
- New Faculty Orientation
- Increment and Promotion policies
- Incentives and allowances
- Attendance
- Promotion
- Resignation
- Leave and Permission details
- Working Days and Hours
- Code of Conduct
- Employee Identity
- Dress code

Administrative Setup:

The administration of the Institution consists of the Chairman, Director, Advisors, Principal, Vice

Principal, and the Heads of the Department (HOD) concerned, who take decisions in all academic matters. The Principal serves as the administrator of academic affairs and administrative operations within the institution. He is responsible for coordinating with the management. He proposes strategies to secure essential resources for realizing the institution's objectives, vision, and mission. HoDs operate with a degree of autonomy in executing academic responsibilities. They possess the authority to make decisions concerning academic affairs and distribute tasks among faculty members in a decentralized manner. Their roles encompass a wide array of activities such as teaching, nurturing student growth, fostering faculty development, and facilitating staff enhancement initiatives. This decentralized structure allows for efficient management of academic functions within the institution while promoting the involvement and autonomy of departmental leaders.

Appointment Procedures:

Every year as per the requirements, teaching and non teaching faculty members are recruited in accordance to the AICTE/UGC guidelines. Announcements for faculty and staff positions are disseminated through the institution's website, social media platforms, and prominent newspapers. The received resumes undergo meticulous scrutiny by the Heads of Departments (HoDs), who then invite suitable candidates for interviews conducted by the Selection Committee. This committee comprises the Principal, HoD and subject experts. After conducting the interviews, the Selection Committee's recommendations are presented to the Management for approval and appointment

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Effective welfare Measures for Teaching/Non Teaching Staff

The college believes in its human resources and it takes utmost care of all its staff members. As per the HR Policy, all the staff members are treated equally and provided all the benefits.

Financial Benefits

- Post-appraisal incentives provided for best performing staffs.
- 50% concession is given to the maximum of three children of staff members in the schools run by the management.
- Cash and gold coins are provided to the staff members who have completed 5 and 10 years of service respectively in the institution.
- Loan without interest is provided to the needed staff members during the state of emergency.
- EPF scheme implemented to all Teaching and Non-Teaching staffs.
- PhD allowance of Rs.5000 is given.
- Gift worth Rs.1000 is given to all staffs every year during AyudhaPooja celebration.
- Financial support to enhance knowledge.
- Three sets of free Uniform are provided for Non-Technical staff.
- Special leave for religious festivals.
- Celebrations of festivals in the campus.
- Monthly one-day Casual Leave and two one-hour permission will be allowed to avail. Yearly 20 days and 10 days of Vacation have been given to teaching and non-teaching staffs respectively.
- During college day, awards are provided to the faculty members provided with excellent results.

- TA and DA will be provided to the faculty to visit national level research organizations and funding agencies for promoting research.

Non-Financial Benefits

- Free Transport facilities for all.
- Medical room available in campus.
- Free accommodation in hostel for out-station employees.
- Free Wi-Fi available.
- Providing On-duty for attending skill enhancement.
- Non-doctoral faculties are encouraged enroll for Ph.D.
- Maternity leave is provided to all the female staff members

Performance Appraisal System

- The college shows profound responsibility and focus in identifying and recognizing the faculty who involved themselves for the betterment of the institution by consistently improving their performance and career.
- The performance appraisal system is based on the parameters of development and improvement of faculty in Academics, Department Development Activities, Self-Development, Research, Placement and Higher Studies Assistance. Marks will be provided for all the parameters.
- The process of appraisal has three components – (a) Self-appraisal (b) appraisal by HOD and (c) appraisal by the Principal and Management. The self- appraisal encompasses the multiple activities of the faculty in both academic activities and other responsibilities conferred on them. The appraisal by HOD covers the academic competence of the faculty and the cooperation and leadership extended by the faculty in various departmental activities.
- The Principal assesses the overall commitment and capability of the faculty. Marks are awarded by self and HOD and then using the same, competency level of faculty is assessed. This multi-faceted approach guarantees that the appraisal is transparent and augments the confidence level of the faculty.
- The appraisal for non teaching staff members is based on their competency and work performance in their designated areas. All the non teaching staff members are assessed by their respective HoDs and the same is recommended to the Principal and Management for necessary action.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 31.62**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
33	21	14	40	40

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshops and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 55.96**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
80	78	83	78	80

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
69	41	40	43	52

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Mobilization of Funds for various resources :

Funds are mobilized from the following resources.

1. Student Fees, Anna University, Fund from Government Agencies.
2. Velammal Educational Trust
3. Additional funding sanctioned from various funding agencies such as DST, CVRDE, AICTE, TNSCST etc., for research and seminar proposals submitted by various departments and consultancy work.

Budget Planning:

- Heads of the departments submit the budget requirements to the Principal, at the beginning of every financial year. Budget committee analyzes the requirement of each department and prepares a Consolidated Budget and forwards it to the Management for approval.
- The Management allocates the funds under various heads for the upgrades in library resources, computers, network facility, sports facilities, publication incentives, salary, placement, campus maintenance, extension activities, etc. based on the requirements.

Utilization:

- Proper utilization of financial resources is planned at the beginning of every financial year and all the procedures and dealings are recorded and computerized.
- The expenditure policy is centered on peers, aiming to enhance infrastructural facilities to strengthen the teaching-learning process, offer skill-based courses, encourage individual research and collaborative projects, and provide accessible and affordable quality education for the eligible students from both rural and urban areas.
- The goal is to provide the best resources to the students and faculties to support the institute's vision and mission.

Financial Audit:

The college has an effective mechanism for auditing the accounts. The accounts of the college are audited by chartered accountant regularly as per the Government rules. There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order etc., and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of

Ø works.

Ø The auditor ensures that all the payments are duly authorized. The auditor conducts statutory audit at the end of financial year. After the audit, the report is sent to the Management for review.

Ø In addition to the external audit, internal audits are also conducted regularly before the external audit to confirm the entire process to be free from errors and mistakes.

Internal Audit is being conducted on a continuous basis by the Finance Team members once in two months. The audit procedure is shown below.

1. Expenses

- a) Vouchers, supporting bills and invoices are verified.
- b) Approvals and authorization are verified.
- c) Actual expenditure is compared with the Budget allocated to evaluate the variation.
- d) Statutory deductions such as TDS are verified

2. All the fees pay-in –slips are vouched with the Bank statements.

3. Payroll statements along with the attendance registers are verified on monthly basis.

4. Fees receivable statements are verified with the books of account.

External Audit is regularly conducted on an annual basis by the statutory auditors of the Trust.

The Procedure is furnished below.

1. All the Expenses Vouchers and their supporting documents are verified.
2. Original Fixed Assets Purchase invoices are verified and physical verification of statements and payments are verified with the payroll reports.
3. Salary statements and payments are verified with the payroll reports provided by the HR Department.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System**6.5.1**

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The Internal Quality Assurance Cell (IQAC) at our institution has been a cornerstone in upholding and enhancing the quality of our academic and administrative activities over every academic year. Through meticulous planning and execution, the IQAC has institutionalized robust quality assurance strategies, driving continuous improvement across all facets of our operations. Regular academic audits were conducted for both semesters in each academic year, providing detailed evaluations of teaching methodologies, course delivery, curriculum alignment, and departmental performance. The resulting Action Taken Reports (ATRs) facilitated significant advancements, such as upgrading classroom and laboratory infrastructure, aligning course syllabi with industry standards, and expanding academic support services like tutoring and mentoring. Furthermore, these audits also highlighted the need for enhanced faculty development programs and more responsive student feedback systems, fostering a student-centered educational environment.

Moreover, the IQAC's annual integrated Academic and Administrative Audits which offered a holistic review of institutional performance, balancing the academic and administrative functions. These audits led to process optimization, policy updates, and the integration of new technologies, streamlining administrative procedures and enhancing academic delivery. Improved communication channels between academic and administrative departments and the initiation of regular staff training programs further bolstered operational effectiveness. The audits also resulted in the establishment of robust data management systems, supporting both academic and administrative functions effectively.

Specialized audits were another focus, particularly on club activities and laboratory maintenance. These evaluations ensured that extracurricular programs provided enriching experiences and that laboratory facilities were maintained to high standards. Actions taken included broadening the range of club activities to cater to diverse interests and implementing stringent maintenance schedules for laboratories.

In addition to these internal reviews, the IQAC implemented a comprehensive stakeholder feedback process, collecting and analyzing input from students, teachers, employers, alumni, and parents. This feedback was crucial in identifying areas of strength and opportunities for improvement, leading to targeted actions documented in ATRs. Transparency was maintained by making evidence of these actions available on the institutional website.

Furthermore, the institution strengthened its strategic partnerships through 51 Memorandums of Understanding (MOUs), which led to 53 collaborative activities over these two academic years. These MOUs facilitated industry collaborations, academic exchanges, and resource sharing, enriching our academic programs and aligning them with market demands.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years

Gender Equity & Safety Measures:

Over the past five years, our institution has embarked on a Gender Audit and implemented various measures to promote gender equity across both curricular and co-curricular domains, as well as enhancing facilities for women on campus. Gender sensitization is implemented, with a particular focus on safety, security and equal opportunities. The institution ensures the presence of security guards on campus round the clock, seven days a week, to uphold a safe environment for all individuals.

Moreover, gender awareness is actively promoted through diverse channels including workshops, seminars, guest lectures, and counselling sessions. Female students are equipped with regular workshops on human rights, domestic violence and cyber security is provided to safeguard the well-being of female students and staff. In alignment with institutional regulations, various committees have been established to address grievances and empower women students from various backgrounds. These include committees dedicated to student's grievance and redressal, woman empowerment, Internal Complaint Committee and Disciplinary Committee.

Empowerment & Leadership Opportunities:

Female students act as one of the class representatives in all the classes. Not only the present students but the alumni female students are recognized and appointed as the Office Bearers in the Alumni Association. Equal opportunities are provided to the women faculties to lead the department as Head. Gender Equity is practiced in Club activities, where the majority of the Women Faculty led the Co-curricular clubs. The Institution promotes Gender Equity in Staff ratio with equal Male and Female Faculty including the Teaching and Non Teaching staff members.

Engagement in Co-Curricular Activities and Infrastructure:

Girls actively participate in NCC, NSS, and YRC, partaking in leadership training, community service, and health awareness campaigns. They contribute to society through initiatives like promoting road safety, organizing literacy programs, and organizing blood donation drives, nurturing skills, empathy, and a sense of social responsibility. Within our institution, the NCC girl's battalion serves as a crucial entity fostering leadership and discipline among female students. Through rigorous training on campus and in external camps, it empowers young women to excel academically and demonstrate leadership qualities, and uphold social responsibility, thus moulding them into well-rounded individuals for the future.

Gender Inclusivity Programs and Events:

Furthermore, we prioritize campus and hostel security through the deployment of CCTV cameras and 24-hour security personnel. To ensure privacy and comfort, separate restroom facilities are constructed for male and female students. Common areas like canteen, mess and library are also segregated to provide separate spaces for male and female students. Specifically focusing on gender sensitization our institution organizes programs such as International Women's Day celebrations, Sports activities and Motivational Talk on Women Empowerment is conducted at regular intervals. Women students enthusiastically participate in various cultural and sports activities and exhibit their talents.

Overall, these initiatives reflect our institution's steadfast commitment to promoting gender equity, sensitization, and providing a conducive environment for the holistic development of all individuals on campus.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of

students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

- Velammal Institute of Technology is proactively taking endeavor in providing inclusive environment.
- The initiatives are to promote better education and encouragement of the needy and mounting communal harmony. In spite of the diversity, we maintain the harmony among the students. To provide equality in students, we would set up cultural activities.

INITIATIVES TAKEN BY OUR COLLEGE TO ENSURE CULTURAL, REGIONAL, LINGUISTIC, COMMUNAL, PEACE, EQUALITY, RIGHTS AND RESPONSIBILITIES OF CITIZENS:

- In order to become a better citizen of the country, the Institution uses extracurricular activities to educate students and employees about the constitutional requirements: values, rights, duties, and responsibilities.
- Cultural activities encompass the expressions, traditions, and practices that reflect the shared values, beliefs, and history of a group or society.
- The students are encouraged to exercise their rights during elections.
- Our college generously supports religious events including Christmas, Ramadan, Pongal and other spiritual celebrations.
- National Service Scheme (NSS) and National Cadet Corps (NCC) are educational and training programs to inculcate nationalistic spirit, patriotism, basic cultural values in people. Students enthusiastically participate in these two organizations to develop self discipline, punctuality and social awareness. We do have our efficient NCC battalion and NSS Team.
- In Velammal Institute of Technology, we indulge each and every student and staff has patriotism. Independence Day is celebrated to mark the nation's Independence from British rule. Republic day is celebrated to mark the day when the constitution of India came into effect in 1950. Our Institution gathers students and staff for the flag hoisting on the above days every year.
- Yoga is a mind and body practice that can build strength, flexibility and reduces stress. Every year International Yoga Day is celebrated on June 21 in our institution. Our Institution conducted workshop on yoga to make the students to have a good mental health.
- Every year International Women's Day on March 8 is grandly celebrated in our institution by our women empowerment cell.
- The student's faculty members are encouraged to stay away from unethical behavior, contra brands like alcohol, smoking and drugs. It is strictly prohibited inside the campus and violators will be counseled, warned and monitored till they mend their ways.
- Awareness is a concept about a subject is aware of some information. Our student were actively participated in "*Fit India Freedom run*", "*Save & Restore our beloved mother earth pledge*", "*Go Green Camp, Blood Donation Camp and Aadhar – voters IDs linking camp*" organized by the management.
- Student's faculty members are encouraged to actively participate in the tree planting process.

- The fundamental rights in our constitution are right to equality. Right to freedom, Right against exploitation, Right to freedom of religion, Right to Cultural and education, Right to Constitutional remedies, Right to Vote, students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

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

Response:

Best Practice – 1

Title of the Practice:

VITech-GURU

Objectives of the Practice

To improve academic performance of the students through personal counselling.

The Context

Students face numerous challenges in academic environment, especially when transitioning to professional college life. This period often induces significant anxiety, particularly for hostel students who are away from their families for the first time. The absence of familial support can heighten feelings of loneliness and anxiety, making adaptation difficult. Additionally, students from educationally disadvantaged backgrounds may experience inferiority and hesitation in the classroom, struggling with

confidence and underperforming due to their inhibitions. A viable solution to these issues is a mentoring system. Mentors can provide crucial support and guidance, fostering trusting relationships that alleviate distress and anxiety. This support is essential for hostel students and those lacking confidence. Mentors also enhance academic performance by offering personalized attention and helping students from weaker backgrounds catch up with their peers. Moreover, mentors assist in developing clarity in thinking and decision-making, vital for academic and personal growth.

The Practice

- Each teacher is assigned around 20-25 students for the complete duration of their study.
- They meet after internal assessment to discuss, clarify and share various problems which may be personal or academic, etc.
- The mentors encourage the students to participate in co-curricular and extracurricular activities and sports.
- Their academic performance and other activities are all recorded.
- The mentors also keep in touch with the parents on their attendance, test performance, fee payment, examinations etc after internal assessment.
- The mentors also counsel the students in need of emotional problems.
- When the students have any problem in any department either with the staff or with work completion the mentors speak with the respective staff and sorts out the problem.
- Mentors take special care of weak students, who are given advice on how to study, prepare a time table for study and clarify the doubts and also given notes to study.
- Students' problems are discussed with the departmental heads, other faculties and necessary action taken to solve it.

Evidence of Success

Evidence of success of the practice includes university ranks, better results in the examinations, improved attendance, less drop outs, increased participation in co-curricular and extracurricular activities, better discipline on campus and respectful relationship between teachers and students. The students are more relaxed and have a healthy relationship with the staffs.

Problems Encountered and Resources Required

The Mentorship Program incorporates a diligent and informed approach, taking student participation to the next level making learning environment more competitive and interesting. The program has been modified over time. There were some problems in the initial phase as follows

- Time table adjustments. Lack of time

- Time slots for individual counselling
- No / less control over the background and support from home for such initiatives as the students are doing Post graduation
- The students' mindset is already set and hence needs more time to change.
- Adjustment of time with external experts

Resource required:

- Counsellor
- Mentoring rooms
- Expert faculty from industry
- Trainers for add on courses

Best Practice – 2

Title of the Practice

Focused Training for Employability

Objective of the Practice

In an attempt to create industry readiness as well as to enrich the employability of its graduates, we have actively involved in the design and implementation of skill development programs across different engineering streams with an objective to expose students to industry culture and practices and also inculcate in students a flair for problem definition and build problem-solving capability by providing hands-on training in modern tools and techniques

The Context

Despite best efforts at developing a curriculum for bring out professional engineers, a targeted and well-established approach towards bridging the gap between the talent pool and the demands of core engineering sectors still needs to be clearly defined. Attempts are being made in pockets to understand the industry need and address the same through add-on programs at the undergraduate level. However, the effectiveness of such programs critically depends upon thorough understanding the industry's needs and skill requirements and developing programs, in collaboration with the concerned industry sectors, in order to fill the gap.

The Practice

Administering training program requires careful consideration of the engineering curriculum already being delivered, the gaps in the curriculum that need to be plugged to make the student industry-ready and the ability of the administering department to effectively bridge this gap.

1. Review the academic curriculum and identify gaps in the content
2. Define industry sector requirements and identify potential skill development/training programs to augment student capability.
3. Prepare a clear mapping of the curricular gaps with the proposed skill development program.
4. Identify available infrastructure with the department and propose additional facilities (if any) required.
5. Identify faculty competency available in the department (if any) in the proposed area and/or propose faculty skill enhancement plan.
6. Anticipated intake, proposed course fee and viability of the programme.

Evidence of Success

The college has started various training programs some of which are given below:

1. Soft skills training for all first-year students
2. Corporate readiness program, soft skills training, aptitude training, technical training (Department specific), code training practice for all second-year students
3. Corporate readiness program, soft skills training, aptitude training, technical training (Department specific), code training practice for all third-year students
4. Regular code test, motivational training, company specific aptitude training, corporate readiness training for all final-year students

The college's placement record evidenced that 95% of the students are placed in well reputed companies with good package. Many students bagged bunch of offers in their career.

Problems Encountered and Resources Required

When practically applied, gaps exist between the proposed methodology and its implementation, primarily due to time constraints imposed by the affiliating university's academic schedule. With our tight timeline, the procurement/implementation of auxiliary arrangements to meet industrial demands must be meticulously planned and properly administered. To address this, we anticipate requirements to ensure resources are well-maintained and effectively managed, enhancing skill development and meeting

industry needs. By proactively planning and anticipating resource needs, we strive to bridge the gap between theory and practice, ensuring our methodology is effectively implemented within the given time constraints.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Academic Excellence

Our institute stands out for its impressive academic achievements and commitment to fostering a holistic educational environment. As a non-autonomous college under Anna University, Chennai, we have consistently demonstrated exceptional academic performance, secured top ranks and showed significant improvements over the years. This dedication to excellence is reflected in our students' accomplishments, faculty's dedication, and the institute's progressive approach to education.

Consistent Academic Excellence:

Outstanding Academic Performance:

-The hallmark of our institute's distinctiveness is our outstanding academic performance.

Ranking Trajectory:

- Our ranking trajectory is a testament to our relentless pursuit of academic excellence.

April/May 2020:

- Achieved the 89th rank among non-autonomous colleges under Anna University, Chennai.

November/December 2020:

- Made a significant leap to the 7th rank.

April/May and November/December 2021:

- Secured the 24th rank in both semesters.

April/May and November/December 2022:

- Advanced to the 5th rank in both semesters.

April/May 2023:

- Achieved our highest rank yet, securing the 4th position.

Consistent Improvement:

This consistent improvement, from 89th to 4th rank, underscores our commitment to academic excellence.

Top 10 Non-Autonomous Colleges:

Positions our institute among the top 10 non-autonomous colleges under Anna University, Chennai.

NPTEL Success:

- Our students' participation and success in NPTEL (National Programme on Technology Enhanced Learning) courses further highlight our academic prowess.
- In recent academic years, 208 students successfully cleared NPTEL courses.

Google Certification through Coursera:

- More than 300 students completed the Google certification course through Coursera, offered free of cost by our placement cell.
- A few students have completed multiple courses successfully, showcasing their dedication to expanding their knowledge and skills.

Exceptional Performance in NCAT

Our institute has consistently excelled in the National Competency Assessment Test (NCAT), demonstrating our commitment to academic excellence and student preparedness.

Enrolment Numbers Reflect Growth

Enrolment numbers for NCAT from 2018 to 2024 show a significant increase in student participation, indicating growing interest and engagement:

- 2018-2019: 142 students
- 2019-2020: 411 students
- 2020-2021: 251 students
- 2021-2022: 165 students
- 2022-2023: 506 students
- 2023-2024: 221 students

Emphasis on National-Level Assessments

- The increasing enrolment numbers highlight our institute's strong emphasis on preparing students for national-level assessments and competitive exams.

- **Recognition as Best Performing Institute**

For the period of 2020-2024, our institute was recognized as the best performing institute in NCAT.

Commitment to Student Success

- Our institute's commitment to student success extends beyond academics to include excellent placement opportunities.

Top 10% Achievement in Tamil Nadu Based on AMCAT Performance

Our institute takes immense pride in the outstanding performance of our final year students in the AMCAT (Aspiring Minds Computer Adaptive Test), a widely recognized employability assessment. Demonstrating exceptional aptitude and skills, our students have consistently ranked in the top 10% among all participating institutions in Tamil Nadu.

Comprehensive Assessment: AMCAT evaluates students on various parameters, including English proficiency, quantitative ability, logical reasoning, and domain-specific knowledge. Our students' impressive scores across these areas underscore their well-rounded competencies.

Rigorous Preparation: This achievement is a testament to the rigorous academic training and holistic development programs implemented by our institute. We provide targeted coaching and preparatory sessions to help students excel in such competitive assessments.

Excellence in Placements

2017-2021 Batch Placements:

- In the 2017-2021 batch, 275 students were placed in top-tier companies such as Amazon, ZOHO, CTS, TCS, Infosys, Wipro, Accenture, Sify, Mindtree, Navis, Hexaware, and Tata Communications.

- The average annual salary for these placements was 3.83 lakhs per annum.

- The highest salary package was 14.1 lakhs per annum, secured by Keerthana K from the CSE 2017-2021 batch.

2016-2020 Batch Placements:

- Additionally, 63 students from the 2016-2020 batch secured placements with similar top-tier companies. This reflects the high employability of our graduates and the effectiveness of our placement programs.

- The overall placement success across all departments is relatively high, with an average placement rate of 89.15%.

Financial Support and Scholarships

Recognizing the importance of financial support in higher education, our institute has awarded the Founder Chairman Scholarship to 271 students, amounting to a total of 11 lakhs 12 thousand rupees. This scholarship program underscores our commitment to supporting deserving students and ensuring that financial constraints do not hinder their academic and professional growth.

Commitment to Research and Development

Our institute is also dedicated to fostering a culture of research and innovation. We encourage our faculty and students to engage in research projects, publish papers in reputed journals, and participate in national and international conferences. Our well-equipped laboratories and research facilities provide the necessary infrastructure for cutting-edge research works.

Future Goals and Vision

Looking ahead, our institute aims to further elevate its academic standards and expand its horizons. We are committed to continuously improving our infrastructure, adopting innovative teaching methodologies, and enhancing our research capabilities. Our vision is to become a leader in higher education, not only in India but globally. We aspire to produce graduates who are not only academically proficient but also socially responsible and capable of making significant contributions to society.

Our first goal is to attain autonomous status, which will allow us greater flexibility in designing our curriculum, implementing innovative teaching methods, and fostering a more dynamic educational environment. Achieving this status will be a significant milestone in our journey towards educational excellence.

Additionally, we aim to secure a position within the top 200 in the National Institutional Ranking

Framework (NIRF). This ambitious target reflects our commitment to improving our academic standards, research output, and overall institutional performance.

Conclusion

Our institute's distinctiveness lies in its unwavering commitment to academic excellence, and societal impact. From remarkable improvements in university rankings to outstanding achievements in NPTEL and NCAT, our journey reflects our dedication to nurturing talent and fostering an environment of continuous growth and learning. With strong industry connections, innovative teaching practices, and a focus on research and community engagement, we are poised to achieve greater heights. By setting clear future goals, such as attaining autonomous status, securing a position within the top 200 in NIRF, and having all engineering departments recognized as research centers, we are charting a path towards sustained excellence and global recognition.

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

5. CONCLUSION

Additional Information :

Velammal Institute of Technology is renowned for its commitment to academic excellence, innovation, and holistic development. Situated in the bustling city of Chennai, Velammal Institute of Technology offers a conducive environment for students to thrive academically, professionally, and personally.

The faculty at our institution comprises highly qualified professors, industry experts, and researchers who are dedicated to providing quality education and mentorship to students. With a focus on student-centric learning approaches, the faculty engage students through interactive lectures, hands-on projects, and research opportunities. Their expertise and guidance empower students to think critically, solve complex problems, and innovate solutions that address real-world challenges.

Our college boasts state-of-the-art infrastructure and research facilities, equipped with the latest technology and equipment to support academic and research endeavors. From well-equipped laboratories to modern classrooms and libraries, students have access to resources that enhance their learning experience and facilitate exploration and discovery.

The college places a strong emphasis on industry collaboration and experiential learning, forging partnerships with leading companies and organizations. Through internships, industrial visits, and collaborative projects, students gain valuable exposure to industry practices, emerging technologies, and professional networks. These experiences not only supplement classroom learning but also enhance students' employability and career prospects.

In addition to academic pursuits, our institute offers a vibrant campus life enriched with extracurricular activities, cultural events, and sports facilities. Students have the opportunity to participate in clubs, societies, and student-led initiatives that cater to diverse interests and talents. These activities foster leadership skills, teamwork, and personal development, creating well-rounded individuals poised for success in their chosen fields.

Furthermore, our Institute is committed to promoting research and innovation among its students and faculty. The college encourages interdisciplinary collaboration, fosters a culture of curiosity and exploration, and provides funding and support for research projects. Students have the opportunity to work on cutting-edge research topics, publish papers in reputed journals, and participate in national and international conferences, contributing to the advancement of knowledge and technology.

Accredited by prestigious organizations and consistently ranked among the top engineering colleges in the country, Velammal Institute of Technology stands as a beacon of excellence in engineering education.

Concluding Remarks :

In conclusion, Velammal Institute of Technology epitomizes the pinnacle of engineering education, blending academic excellence with innovation, industry relevance, and holistic development. With a distinguished faculty at its helm, the college nurtures a culture of intellectual curiosity, creativity, and collaboration, empowering students to explore new frontiers, push boundaries, and excel in their chosen fields.

Through strategic partnerships with leading companies and organizations, Velammal Institute of Technology provides students with invaluable exposure to real-world challenges, ensuring they are well-prepared to meet the demands of the ever-evolving industry landscape. The success stories of its alumni, who are making significant contributions across the globe, stand as a testament to the institution's commitment to excellence and its transformative impact on individuals and society.

Beyond academics, Velammal Institute of Technology offers a vibrant campus life enriched with extracurricular activities, cultural events, and sports facilities. Students have ample opportunities to engage in a myriad of clubs, societies, and organizations, fostering camaraderie, leadership skills, and personal growth. This holistic approach to education ensures that graduates not only possess technical prowess but also exhibit qualities of adaptability, resilience, and teamwork, essential for success in today's interconnected world.

Furthermore, Velammal Institute of Technology's dedication to research and innovation underscores its commitment to pushing the boundaries of knowledge and addressing societal challenges. With state-of-the-art research facilities, cutting-edge laboratories, and mentorship from faculty mentors, students are encouraged to pursue groundbreaking research that has the potential to make a positive impact on society.

Accredited by prestigious organizations and consistently ranked among the top engineering institutions in the country, Velammal Institute of Technology sets the benchmark for academic rigor, infrastructure, and research output. As it embarks on a journey of continuous improvement and growth, the college remains steadfast in its mission to shape the future of engineering and contribute to the betterment of society.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
3.4.3	<p><i>Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.</i></p> <p>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>18</td> <td>10</td> <td>8</td> <td>4</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>15</td> <td>8</td> <td>5</td> <td>3</td> </tr> </tbody> </table> <p>Remark : DVV has considered the supporting document and made changes accordingly.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	14	18	10	8	4	2022-23	2021-22	2020-21	2019-20	2018-19	11	15	8	5	3
2022-23	2021-22	2020-21	2019-20	2018-19																	
14	18	10	8	4																	
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3.5.1	<p><i>Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.</i></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :39</p> <p>Remark : DVV has considered the supporting document and made changes accordingly.</p>																				
4.1.2	<p><i>Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years</i></p> <p>4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>112.04</td> <td>87.39</td> <td>34.39</td> <td>207.68</td> <td>332.85</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>112.04</td> <td>87.39</td> <td>34.39</td> <td>129.33</td> <td>269.68</td> </tr> </tbody> </table> <p>Remark : DVV has considered the supporting document and made changes accordingly.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	112.04	87.39	34.39	207.68	332.85	2022-23	2021-22	2020-21	2019-20	2018-19	112.04	87.39	34.39	129.33	269.68
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4.4.1	<p>Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)</p> <p>4.4.1.1. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 430 1046 564"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>517.07</td> <td>282.19</td> <td>256.24</td> <td>448.97</td> <td>507.05</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 645 1046 779"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>424.62</td> <td>226.47</td> <td>256.24</td> <td>343.13</td> <td>414.52</td> </tr> </tbody> </table> <p>Remark : DVV has considered the supporting document and made changes accordingly.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	517.07	282.19	256.24	448.97	507.05	2022-23	2021-22	2020-21	2019-20	2018-19	424.62	226.47	256.24	343.13	414.52
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6.3.2	<p>Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years</p> <p>6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1173 1046 1308"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>41</td> <td>43</td> <td>44</td> <td>43</td> <td>40</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1388 1046 1523"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>33</td> <td>21</td> <td>14</td> <td>40</td> <td>40</td> </tr> </tbody> </table> <p>Remark : DVV has considered the supporting document and made changes accordingly.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	41	43	44	43	40	2022-23	2021-22	2020-21	2019-20	2018-19	33	21	14	40	40
2022-23	2021-22	2020-21	2019-20	2018-19																	
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2.Extended Profile Deviations

Extended Profile Deviations
No Deviations