



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution	VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr.P.Alli
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9443566537
• Alternate phone No.	9994994991
• Mobile No. (Principal)	9443566537
• Registered e-mail ID (Principal)	principal@vcet.ac.in
• Address	Velammal Nagar, Madurai-Rameswaram High Road, Viraganoor, Madurai
• City/Town	Madurai
• State/UT	Tamilnadu
• Pin Code	625009
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	27/08/2021
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. K. Kavitha				
• Phone No.	04522465285				
• Mobile No:	6374330382				
• IQAC e-mail ID	vcetiqac@vcet.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2022-23/AQAR%202022-2023.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://vcet.ac.in/vcetit/pdfs/Handbook/VCET%20Handbook%202023-2024.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.02	2016	17/03/2017	17/03/2021
Cycle 2	A	3.02	2021	17/11/2021	31/12/2026
6.Date of Establishment of IQAC			20/02/2016		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Dr. P.Alli / Department of CSE	IDEA LAB	AICTE, New Delhi	08/02/2023	115
Dr. P.Alli / Department of CSE	RPS	AICTE, New Delhi	01/06/2022	10
Mr. M. Karupppiah Rajkumar/Department of Mechanical Engineering	MSME	MSME	01/08/2023	15
Mr.A.Gobinath / Department of Information Technology	MSME	MSME	02/01/2023	8.67
DR.A. Radhika/ Department of EEE	MSME	MSME	Nil	7.5
Dr. K. Kavitha, Department of ECE	MSME	MSME	Nil	15
Mr. G. Pradeep Kumar, Department of ECE	MSME	MSME	Nil	12.5

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File
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9.No. of IQAC meetings held during the year	3	
Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes	
If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
?Practicing outcome based education aligning with assessments of OBE principles. ?Enhancing research ecosystem by establishing interdisciplinary research groups and incentives for quality publications. ? Promoting hostile environment among students through technical, cultural and sports activities. ? Conducted internal and external audits to review academic and administrative processes.		
Taking Key-Role in the creation of Policies and Standard Operating Procedures		
Consolidating the Research Publications and preparing the Reports related to the Quality of Publication		
Conducting regular IQAC Meetings		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		
Plan of Action	Achievements/Outcomes	
Creation of Placement Page Dashboard	Exclusive placement tab has been created in the college website with information about recruitment process and success rate of placement.	
Maintain records of career choice	Record is being maintained about the career choice of students towards placement, higher	

	studies and entrepreneurship.
Research Policy Approval	Research policy of the institution has been updated in various heads such as publication requirement, similarity index, indexing, quality of publication, retraction of articles, collaborative research, research funding, conference publication.
Department shall organize Hackathon	Department level initiatives is done towards hackathon and national level project contest.
Collaborative project proposal with National/International researchers	?18 proposals have been submitted by collaborating with National & International Researchers. ?4 proposal submitted under ICSSR longitudinal Studies in Social and Human Sciences, collaborated with researchers of various institutions across India. ?Collaboration with international level universities for R & D activities and publications. ?Five Days International Faculty Development Programme on "Outcome Based Education" Organised One Day International Seminar on "Emerging Trends in Social Media Analytics"
Improvement towards NIRF Ranking	Analysis has been made and deliberations took place in IQAC and General Body Meetings
Visit the incubators of IITs/any premier institution	VCET Team visited TIFAC - CENTRE OF RELEVANCE & EXCELLENCE , Ajay Kumar Garg Engineering College during 07.1.24- 10.1.24VISIT NEW DELHI
Feedback from alumni, employers and faculty members	?Employer feedback is received through placement officer from

	the reputed company. Alumni forum is organized and annual meet is conducted to update alumni profile and improve college facilities and TLP through feedback.
Common Relationship manager to interact with industries	Dr. G. Manikandan Dean (Industry Institute Partnership) act as SPOC to communicate with industries.
Fix target for the exams like GATE and CIVIL service examinations	Target of 5% is fixed for all departments towards GATE and CIVIL Service Examinations.
Visit premier institutions having Cyber Security course	Dr. G. Vinoth Chakkaravarthy, Professor & Head / CSE(CS) visited Kalasalingam University during February, 2024.
Standard Operating Procedures (SoP) to support industry courses	SOP has been created and circulated among Departments for followup
Participate in Global Investor Meet to convert ideas to startups	Dr. V. Selvalakshmi, Professor & Head – MBA, visited the Singapore Chamber of Commerce and interacted with the Director to explore collaboration opportunities on 22.02.2024. Dr. M. Dhiliphan Kumar, Associate Professor - MBA has participated in the “Startup Ecosystem Enablers Meet” organized by the StartupTN, Government of Tamil Nadu on 15.07.2024. Velammal ventures is been started to initiate startup ideas among students. A Sustainable & Circular Economy based Startup is started by II MBA students.
Visit Contact Lens Factory	Dr. P. Alli, Principal, visited AUROLAB and Collaboration between VCET and AUROLAB was initiated.

Create a Startup task force with 4 to 5 faculty members. Follow padhiyam startup community and create ecosystem for converting the ideas into startups	Startup Task Force Team initiated with following members, 1.Dr. P. Alli, Principal 2.Dr. R. Perumalraja, Vice-Principal & Dean (P & D), HoD/CSE 3.Dr. G. Manikandan, Dean(III) Dr.V.Selvalakshmi, Prof & Head/MBA
Creating channels for individual clubs	?Various clubs such as Coding Club, IoT Club and Robotic Club has been initiated. Retract Club started during this academic year.
Branding of college	Branding of college is done through social media such as facebook, instagram, linkedln and twitter.
Faculty awards based on publications, patents, projects, performance in club activities, student feedback, industry friendly faculty awards.	Incentives was given for faculty members publishing their research articles in scopus indexed journals.
Visit NAAC A++ accredited colleges	Dr. R. Perumalraja, Vice Principal & Head/CSE, visited Central University, Thiruvavur to improve the process of NAAC Accreditation.
AI tool usage workshops shall be conducted	5 Days Online FDP on "Prompt Engineering" was conducted by Department of AI & DS in which Copilot - AI Tool training was given to faculty members
13.Was the AQAR placed before the statutory body?	Yes
Name of the statutory body	
Name of the statutory body	Date of meeting(s)
IQAC Meeting	06/11/2024

14. Was the institutional data submitted to AISHE ?	Yes				
• Year					
<table border="1"> <tr> <th data-bbox="84 427 775 495">Year</th><th data-bbox="783 427 1482 495">Date of Submission</th></tr> <tr> <td data-bbox="84 495 775 562">22-23</td><td data-bbox="783 495 1482 562">13/03/2024</td></tr> </table>	Year	Date of Submission	22-23	13/03/2024	
Year	Date of Submission				
22-23	13/03/2024				
15. Multidisciplinary / interdisciplinary					
Multidisciplinary and interdisciplinary courses are essential for solving complex problems and providing appropriate solutions to the needs of society and industries. To inculcate problem-solving skills among students, open elective courses and professional elective courses are offered in the curriculum of all programs. The curriculum includes four open elective courses and six professional elective courses to impart the required knowledge in cross-cutting fields and emerging technologies. Students can choose open elective courses offered by other departments to broaden their knowledge in that particular field and solve complex problems. Professional elective courses can be chosen by students based on their interest in emerging technologies within their program of study. Our college has already introduced the multidisciplinary and interdisciplinary curriculum under the Autonomous System by offering Honours or Minor Specializations across engineering branches such as Smart Cities, Infrastructure Engineering, Construction Technology, Smart Grid Technologies, Electrical & Computer Engineering, Control Systems and Sensors Technology, Internet of Things, Sensor Technology, Artificial Intelligence and Machine Learning, Cyber Security, 3D Printing, Robotics, Electric Vehicles, Energy Engineering, Systems Engineering, Data Science, Blockchain, Virtual Reality & Augmented Reality, Genome Engineering & Technology, Biosimilar Technology, Computer Science and Biology, Medical Robotics, and Devices. In addition to engineering courses, the institute offers programs in other disciplines, such as Master of Business Administration and Master of Computer Applications. Engineering students are offered open electives and allied electives in other disciplines beyond their core domain. For instance, third-year engineering students can opt for allied electives in management subjects like Finance, Marketing, Human Resource Management, and Entrepreneurship. The institute is also exploring possibilities of offering additional courses and associating with nearby institutes to provide dual-degree programs. The long-term vision is to transform the institute into a Multidisciplinary Research-Intensive Institute with a Degree					

Awarding Facility. Students are encouraged to participate in various national-level hackathons and project contests by solving interdisciplinary problems. The Center of Excellence at the institute offers interdisciplinary training not only to the students of VCET but also to students from other colleges.
16.Academic bank of credits (ABC):
Students have Academic Bank of Credits and the same is linked to NPTEL/SWAYAM courses also.
17.Skill development:
The College is already offering a lot of Skill Development Courses beyond the curriculum by means of Value Added Courses, Special Courses and International Certification. Some of the value added courses offered are Surveying using Total Station Revit Architecture, Surveying using Total Station, Fundamentals of Industrial Automation by MITSUBISHI, A Practical Course on Embedded Systems and IOT, CISCO Certified Network Associate Course, Semiconductor Test Engineering Skill Development Course, Red Machine Learning with Tensor Flow (with Google Certification), Game Development using Unity Full Stack Development, CNC Programming and 3D printing, Skill development on parametric modeling using SOLIDWORKS and Machine Learning using Python. One credit courses aligned with industry is also been offered to students to facilitate them industry ready engineers.
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)
In order to expose the learners to Indian culture, tradition, and heritage, courses like Essence of Indian Traditional Knowledge, Constitution of India, Heritage of Tamil, Tamil and Technology have been included in the curricula. Resource persons with a specialization in arts were invited to offer the course. Institution is also offering coaching for hindi language with specialized instructor.
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):
The institution adapts Outcome based Education(OBE) since year by ensuing accreditation policies of NBA and NAAC. Engineering graduates found not been adapted with real engineering practices which is the most expected criteria of industry. To bridge this gap OBE way of practice will empower students towards industry expectation and to mould themselves in Research and Development. Programme Educational Objectives(PEOs), Programme Outcomes(POs) and Programme Specific Objectives(PEOs) are framed

according to UG and PG programmes. DAC meeting is conducted by each department for formulating PEOs, POs, PSOs by getting input from all stakeholders. Vision and Mission of the department are also framed in aligned with institutional vision and mission. Curriculum and syllabus are framed in aligned with and to attain POs and PSOs. Every course of the programme will have Course Outcomes(COs) in order to maintain experimental assessments of students. Assessment tools are followed in order to map COs with POs and PSOs. Attainment levels are measured for each course and corresponding follow-up will be done to maintain good attainment level. Different committees such Program Assessment Committee, Program Coordination committee and Course coordination committee are assigned to monitor OBE activities. Depending on the attainment, any modification can be done in the syllabus by passing amendments. Curriculum and syllabus are formulated for confirmation by submitting for approval to academic bodies such as Board of Studies (BoS), Academic Council and Governing Body.

20.Distance education/online education:

The institute provides a maximum of 6 academic credits for successfully completing online courses on the Swayam/NPTEL platform. During the fifth to seventh semesters of their studies, students are allowed to register for NPTEL online courses, (for which they will receive a certificate upon performance review. After successfully completing the course, he or she must submit a copy of the certificate to the Head of the Department to be exempt from registering for an elective course. The student will be graded and awarded credits in professional electives based on the recommendation of a team of faculty members chosen by the Head of Department. Upon acceptance by the Head of Department, the recommendation will be sent to the Controller of Examinations. Students who have registered for a degree with honors can earn a maximum of 12 credits through NPTEL courses. Students are also encouraged to upskill themselves to meet industry needs by completing online certification courses through Coursera, EdX, and Udemy platforms.

Extended Profile

1.Programme

1.1

13

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **2302**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **456**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **2721**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **487**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **143**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 **13**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **2302**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **456**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **2721**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **487**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	143
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	143
Number of sanctioned posts for the year:	
4.Institution	
4.1	75
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	48
Total number of Classrooms and Seminar halls	
4.3	997
Total number of computers on campus for academic purposes	
4.4	2, 18, 55, 660
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The latest regulation R2021 was implemented for UG and PG programmes in the year 2021 under Choice Based Credit System (CBCS). In regulation R2021, the institute offers Professional Core, Professional Electives, Open elective courses, Value Added Courses (VAC), Audit Course (AUC), Theory Course with Laboratory Component (TCLC), and Employability Enhancement Courses to meet the local, national and global needs with learning objectives.

In Regulation 2025 of all programmes, average of 20 % of syllabus revision was carried out to meet the local, national, and global needs with learning objectives.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-1/1.1.1.pdf

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

10

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

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

100

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

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

100

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

12

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

1.3 - Curriculum Enrichment

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

The institute ensures integration of relevant cross cutting issues in the curriculum of the programme offered. Professional Ethics, Environmental science, Constitution of India

are mandatory course in all undergraduate programmes. Courses like disaster management, green computing, project management, Entrepreneur development are also offered to the students.

Environmental science: The course encompasses all the aspects of the environment such as natural resources, biodiversity, pollution, alternate energy sources, and human intervention - causes and effects and social ethics. Apart from the mandatory course, an ECO club functions in the college; the club enrolls members and carries out activities to create awareness of environmental conservation.

Gender cell: VCET facilitates a gender-sensitive and congenial campus environment so that anyone in the campus is not subjected to gender-specific discrimination. The cell takes care of the

issues related to gender if any and also popularizes gender equality through programs like International Women's Day celebrations. Grievance Redressal Committee takes care of the suggestions and grievances of the students and staff at all levels of the college.

Professional Ethics Human values and ethics are important to cultivate value-based education for students. A course on Professional Ethics has been introduced. The curriculum also includes a mandatory course on Professional Communication, and Interpersonal Skills courses to develop human values and communication skills.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

31

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

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

981

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

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

1096

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

757

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

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

SC: 60; ST: 0; OBC :652; Gen :13; others :24

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

2.2 - Catering to Student Diversity

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

The institution assesses the level of student's regularly and identifies the measures to take and address the requirements accordingly. The first year students are segregated into different sections based on their Higher Secondary Group, Medium of Study and their Cut off marks. In order to improve their learning ability, the Induction Programme is conducted even prior to the beginning of semester: This program includes

- Skill Enhancement through Advanced Learning
- Outline of Outcome Based Education (OBE)
- Career Guidance
- Design Thinking
- Personality Development
- Soft Skill Training

Remedial Measures for Slow Learners

- Slow learners are identified based on their internal assessment test performance and End Semester exam results.
- Remedial classes and intensive coaching sessions are organized to help them improve academically.
- They are regularly counselled after each test by the mentor.

Step ups for Advanced Learners

- **Advanced learners are encouraged to enrol in fast-track courses.**
- **Student Centric Learning for Advanced Learners through Value Added Courses, Special Courses, International Certifications, Pro internship etc.**
- **Students have the option to withdraw elective courses by completing equivalent online courses on the NPTEL platform.**
- **They are offered the opportunity to pursue an Honours degree with specialization.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
05/03/2024	2302	144

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Student centric methods adopted in the institute are:

- **Students are encouraged to undergo NPTEL/SWAYAM Online courses.**
- **In-plant training and Internship at a minimum duration of 15 days offered by reputed companies and premier institutes are undertaken.**
- **Regional Languages like Hindi and Foreign Languages like German training are arranged.**
- **Integrated Aptitude and Integrated Technical Training sessions where students get trained in problem solving, logical thinking etc.**

- The curriculum is crafted to keep students updated with the latest knowledge incorporating industry-related courses. Students can select their open elective and professional elective courses.
- Students joining with faculty members in executing projects funded by the industries and Government agencies.
 - Students interested in projects are identified and motivated to participate in Contests like Smart India Hackathon, 3-Idiots etc..
- Handling the classes to the junior students by seniors, mentoring by alumni, laboratory courses, preparation for competitive examinations, wherever required.
- Tutorial component is introduced in the analytical courses, wherever required.
- Internal hackathon have been conducted across various departments.
- Pre-placement internships in companies to solve problems and Executingcapstone projects.

Students actively participate in MSME Ideathons to showcase innovative ideas and develop entrepreneurial skills.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.3.1.pdf

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

Process:

- Classrooms are equipped with projectors to enable the Faculty Members to handle their classes effectively.
- The Central Library consists of subscriptions of IEEE journals which helps to access the online research papers effectively.
- Google Classrooms are used to post and share their online resources and also to teach effectively.
- Online tools like Quizz, educandy, circuit maker, Online exam maker, Exam viewetc.. are used by the subject handling

staff members to deliver the contents and assess them.

- Innovative Assignments-More online assignments and tasks are given to students for better learning.
- NPTEL lectures are also used to explain concepts.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.3.2.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

143

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Preparation of Academic Calendar:

Before the start of an academic year, the institution prepares the academic calendar in coordination with the Senior Principal, Principal, Deans, Heads of Departments, and various Club in-charges. It has the details of commencement of classes, Internal Assessment Tests, Seminars, Workshops, and other events organized by each department. It is also being disseminated through the college website. The planned schedule is followed systematically and monitored by the HODs, class in-charges, and club in-charges.

Preparation of Teaching Plan:

Course instructors create detailed teaching plans aligned with the academic calendar, specifying instructional hours, reference materials, web materials and pedagogical strategies. Laboratory manuals are pre-prepared with detailed experiment descriptions.

Adherence to the Teaching Plan:

Based on the academic calendar, IATs are conducted and the marks are uploaded in the Student Information System (SIS) software by the concerned course instructor. At the end of every month, module coordinator and respective HoD's used to verify the adherence. The Academic Audit committee verifies the course file whether activities are carried out as per the teaching plan or not at the end of every semester.

Adherence to the Academic Events:

All academic events are pre-planned, with any deviations documented, justified, and reported to higher authorities.

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

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year****144**

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**56**

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

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

8 years 10 months

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

2.5 - Evaluation Process and Reforms

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

75

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

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

385

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

VCET has adopted summative assessments namely Continuous Internal Assessment Tests. By this, the performance of the student is evaluated by three internal assessment tests for theory courses and one model examination for the practical courses.

Process for Internal semester Question paper setting & Evaluation and Effective Process Implementation

The internal tests are conducted twice in a semester and one model exam is conducted at the end of the semester. Based on the portions, Bloom's taxonomy and framed CO's the question bank is prepared for each course. Previous year University questions and GATE questions are also taken into account while preparing the internal test questions. The prepared question bank is verified by the Course coordinator, the module coordinator and then by the HOD.

VCET has the provision of Student Information System (SIS) portal. The marks of Internal Assessments Test, Assignment and hourly attendance are entered in SIS by our faculty members. Hence, calculation of internal marks and consolidated attendance is performed directly by SIS. For project work, three reviews are conducted.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.5.3.pdf

2.6 - Student Performance and Learning Outcomes

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

The institution follows “Outcome Based Education” and imparts education through a student centric approach. 12 Program Outcomes (POs), 2 Programs Specific Outcomes (PSOs) are formulated for all the programs. The curriculum composition is carefully designed to attain the defined POs and PSOs.

The Course Outcomes (COs) are formulated for all the courses and approved by the Board of Studies. The COs of each course are discussed with the students at the beginning of each unit by the course faculty. Also, the COs are mentioned in the continuous internal assessment test question paper along with its knowledge level for each question.

The Vision, Mission, POs, and PSOs are published on the college websites. The dissemination of the same to the stakeholders such as faculty, students, alumni, parents, and employers are done as mentioned below:

- Displayed in College Website
- Discussion during the Induction Programme
- Professional Body meetings
- Library
- Displayed in the department prominent places like:

1. HOD Room
2. Classrooms
3. Laboratories
4. Display Boards
5. Faculty Cabins
6. Seminar Hall
7. All brochures of FDPs/Seminars

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.1.pdf

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

Assessment process starts from the attainment of course outcomes. Course co-ordinator does the mapping of CO-PO-PSO and decides delivery methods, assessment components for each CO, which is categorized into direct and indirect.

Direct assessment includes continuous assessment components (internal tests, assignments) and end semester examination as per the regulation. Each component is associated with a set of questions, course outcome, cognitive level, marks awarded. From the attainment of COs, the PO, PSO attainment are calculated.

The overall CO attainment has been calculated by considering 60% of CO attainment obtained using internal assessments and 40% of CO attainment obtained using end semester exams.

The attainment of CO against the target is checked; the level of attainment and the level of competency are increased for the next academic year, if the target is achieved.

Otherwise, a Program Assessment Committee Meeting is conducted to discuss the necessity of amendments in content delivery method, assessment method by considering the course evaluation and instructor report in order to achieve the CO attainment against the target.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.2.pdf

2.6.3 - Pass Percentage of students

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

426

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

<https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Velammal College of Engineering and Technology provides a favourable environment for research activities.

A Research and Development Cell has been established both at the institute and department levels to discuss thrust areas in various domains of Engineering and to promote interdisciplinary Research.

Students are also actively involved in research activities. IIC cell of the various departments organizes various workshops, seminars and experts talk for students to enhance their creative innovations.

The functions of Research Committees are:

a) To review the monthly faculty research progress and the same may be submitted to the principal.

b) Periodically, Expert talk has been arranged for the betterment of the Institution towards the Research Excellence.

c) Disseminating the Research related Information like call for Proposal, call for Book chapters, etc., to the faculty community via Email and WhatsApp group.

d) To create the forum to discuss the Research happening within the Department through conclave.

e) Motivate the faculty/student team to register their Innovative/creative ideas as patents (IPR).

f) Research Incentives has been announced to ensure the quality of Research

Publications.

g) To motivate the faculty team to do their Doctoral studies in our Institution, since our Institute has been recognized as "Research Institute" by CFR, Anna University, Chennai.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf
Any additional information	No File Uploaded

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

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

Nil

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

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

1

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

3.2 - Resource Mobilization for Research

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

251.71 Lakhs

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

3.2.2 - Number of teachers having research projects during the year

17

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

3.2.3 - Number of teachers recognised as research guides

24

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

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

5

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

3.3 - Innovation Ecosystem

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

- The Institution has an ecosystem for Innovations through R&D cell, CIPD, MSME and IIC.
- Velammal College of Engineering and Technology has several

forums that includes ECE Association, IETE student chapter, Rasiduno club and ISTE student chapter for students and teachers.

- The R&D cell grasp periodical review meetings and guides in writing project proposals and scientific papers leading to publication and filing patents.
- The Institution Innovation Council of VCET helps in building an ecosystem of Innovation, entrepreneurship and conducts startup awareness activities such as workshops, idea competition, lab visits around the year.
- Upon conducting the idea searching/pitching competitions selected ideas of both students and faculty are granted with seed money to prototype the ideas.

The career guidance cell & Entrepreneurs development cell conducts programmes for inculcating leadership qualities and assisting the students to pursue their higher studies.

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

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

112

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for

B. Any 3 of the above

Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

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

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

3.4.2.1 - Number of PhD students registered during the year

63

File Description	Documents
URL to the research page on HEI website	https://www.vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

86

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

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during

the year

55

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

758

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

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

3.4.6.1 - h-index of Scopus during the year

31

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

3.5 - Consultancy

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

3,06,900/-

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

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

18000

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

3.6 - Extension Activities

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

1. NSS has organized Awareness Programmes on Alcoholism Awareness Programmes, Vaccination Camps, "Mask Mela" programs, Road Safety, Drug Awareness Programmes.

2. The NSS unit of VCET has actively conducted various plantation and cleanliness propels, blood donation camps in collaboration with Velammal Medical College and volunteering activities in NGO's.

3. The activities lead to imbibing the values of social responsibility such as

- * To help people in need and in stress.
- * To understand and share the need of underprivileged children.
- * To acquire social values and deep interest in environment related issues.

4. Learning outcomes of the extended activities are:

- a. Broaden knowledge of social issues by actively participating in community life and joining efforts to address pressing problems.
- b. Accumulate relations and tie up with organizations/NGO's to carry forward humanitarian works.
- c. Develop a passion and brotherhood among the community, affected people/animals and destitute.
- d. Inculcate the skills like social, communication, management, leadership, analytical and perceptual, reasoning, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-3/3.6.1.pdf

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

8

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

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated

programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

69

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

138

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

964

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

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

38

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Classrooms:

- **Number:38, Capacity 40-75**
- **Equipped with Multimedia Projector, Fan, Light, and Table with chair, with good ambience, adequate lighting and good ventilation.**
- **Size is equal to or more than that stipulated by statutory bodies.**
- **Enabled with Wi-Fi facility to implement Active Learning strategies**

Tutorial Rooms:

- **Number:7, Capacity 40-75**
- **Equipped with LCD Projector, Wi-Fi, White Board, and chairs attached with writing pad**

Seminar Halls:

- **Number:3, Capacity 50-100**
- **Equipped with LCD Projector with Smart board facility, WiFi, Audio and Video facilities**

Laboratories:

- **Number: 43, Capacity 30-60**
- **Equipped with state of the art facilities with adequate safety measures and periodic maintenance.**
- **Few of the Laboratories are established with Industries support**

Computing Facility:

- **Internet facilities are available on the whole campus, including labs, classrooms, library, offices of all departments, and hostels. The entire campus is Wi-Fi enabled, with 24/7 internet facilities for students and faculty.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.1.1.pdf

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

Physical Education Departments Facilities

VCET has well equipped sports facilities cater for the sports and games requirements of the students. Every year around 500 students participate in all the sports and games event. VCET conducts ANNA University zonal tournaments, Inter zonal tournaments, Intra and Inter department tournaments and Intra moral tournaments.

Sports Facilities

1. Play Field =Total area 3 Acres

2. Outdoor Sports & games

Basketball Court 1 No -15m X 28m

Kabaddi Court 2 Nos -13m X 10m

Volleyball Court 2 Nos -18m X 9m

Tennis Court 2 Nos 2 - 3.77m X 10.97m

Handball Court 1No -40m X 20m

Ball Badminton 2 Nos -24m X 12m

Badminton Court 2 Nos -13.40m X 6.10m

Kho - Kho Court 1 No - 19m X 30m

Track & Field Non – Standard 200 Mts

Long Jump Pit 1 No -3m X 9m

3. Indoor Sports & Games

Table Tennis 3 Board 30m X 30m

Chess 15 Board Standard 4

Gymnasium 11m X 8.50m

Auditorium:

An Institute has an auditorium with good acoustics. There is a speaker stand and a few chairs for the presiding officer and others. There is a mike and speakers in the hall. The hall was constructed in such a way that the speaker's voice is clearly heard in the entire hall without strain or echoes. The acoustics and the appearance of the hall can be improved using appropriate special plaster, curtains, wall hangings and absorbent ceilings. Adequate facilities of flood light and spot light should be available.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.1.2.pdf

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

48

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

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

218.55660

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

4.2 - Library as a Learning Resource

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

Library Automation

The Library is fully automated using the software "AUTOLIB" - multi user LAN version 5.1 with WEB OPAC. Our college library is fully automated from the academic year 2009-2010.

Library Automation Software contains various modules that

are cataloguing, reports, acquisition, circulation, OPAC, database management, periodicals and many more which helps in the smooth functioning of library management.

The purpose of library automation is to satisfy user needs in the changed information scenario. As the computer can be used to perform the various activities of the library, library automation can serve as a remedy to all the existing problems of libraries.

OPAC

Users can access the Book availability and other resources' information (CD-ROM, Back Volumes, and Projects) with the help of Online Public Access Catalogue. Using OPAC, User Can Search the availability of books based on the title, author and accession number.

Three systems are dedicated for OPAC in the library.

Using Web OPAC, users can access their Personal transaction information (issue/return of Books). OPAC can be accessed throughout the campus through an IP address and also through the college website.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.2.1.pdf

4.2.2 - Institution has access to the following: A. Any 4 or more of the above
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

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

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

102.25818

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

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

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

65

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

4.3 - IT Infrastructure

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

The college has a high-speed campus-wide network with 997 systems. Labs with PCs in all departments provide easy access to computing resources, software services, and applications that meet the specific teaching and learning needs of each department.

The internet facility is supported by a leased line from Airtel, offering 600 Mbps and 15 Mbps for RF. The Internet Gateway includes a Web Server, Symantec Endpoint Protection 14.0, firewall protection through SOPHOS XG 230 Xtreme Protection UTM, a D-Link switch, and other networking components, ensuring an efficient and secure LAN.

The Main Computer Center houses multiple servers, including: a Windows server, a Linux server, a CAD/CAE server, an Oracle database server, a Moodle LMS server, and an NPTEL server. All servers can be accessed across the campus through the LAN. The

details of major IT facilities updated in the academic year 2023-2024 are enclosed in the attachment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.3.1.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2279	997

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development:

E. None of the above

Facilities available

**for e-content development Media Centre
Audio-Visual Centre Lecture Capturing
System (LCS) Mixing equipments and
software for editing**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

218.55660

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Yes, there are well established systems and procedures for maintaining and utilizing physical, academic and support facilities.

Infrastructure Facilities:

Infrastructure facilities are maintained by the team of civil engineers, plumbers, electricians, supervisors, gardeners and carpenters.

Classrooms and Laboratories:

Utilization of classrooms, Laboratories and seminar halls are ensured before the commencement of semester. Log record maintained for resource utilization.

Laboratory :

All the laboratories are well maintained, lab in-charge and staff in-charge are taking care of maintenance works, which will be verified by the Head of the Department. Well established procedure

is available for service and maintenance of lab equipment.

Library :

Library activities are governed by the Librarian. The Central Library of the Institute is stacked with thousands of books and periodicals. Annual stock verification is being carried out regularly and maintained in the library stock register. It keeps track of new book requirements, renewal and subscription of journals and book circulations.

Computer System Maintenance Servers and desktop systems are upgraded periodically.

PED Department:

The physical director is responsible to take care of sports equipments, facilities, sports field and regular sports activities.

Other services:

Cafeteria

Banking / ATM

Stationary and Reprographic

Transport

Fully equipped medical centre with an Ambulance

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

676

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

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

0

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	No File Uploaded

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

4017

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

269

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

5.2.2 - Number of outgoing students progressing to higher education

14

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

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

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

2

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

5.3 - Student Participation and Activities

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

13

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

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

Department Advisory Committee (DAC):

Velammal College of Engineering & Technology (Autonomous) has a Department Advisory Committee in all departments, which consists of active student members. Through this committee, the UG and PG

curriculum is discussed and reviewed to enhance the impartation of advanced knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.3.2.pdf

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

2

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

5.4 - Alumni Engagement

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

Alumni Association

The concept of the Alumni Association evolved to meet the needs of both academicians and professionals, with the aim of building a bridge between college life and career life. This ensures that fresh graduates are made proactive and ready to face the current challenges of the competitive professional world. The Alumni Association of Velammal College of Engineering and Technology, Madurai, was formed on 29th May 2014, under the name "VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY ALUMNI ASSOCIATION."

MISSION OF VCET ALUMNI ASSOCIATION:

- To reunite in the nest from where we grew and flew off.
- To build a bridge between college life and career life, introducing present students to the professional world and preparing them to face the challenges that may arise in their career paths.

- To provide job opportunities to recent graduates through professional references.
- To conduct orientation and training programs on various topics to enhance students' skills.
- To create awareness among students about the scope of their subjects in the professional world and provide a platform for them to develop their qualities.

The Alumni Association coordinates and supports the following activities:

1. Annual Alumni Meet
2. Department-level Alumni Interaction
3. Knowledge Transfer
4. Placement for Final Year Students whenever necessary

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.4.1.pdf

5.4.2 - Alumni's financial contribution during the year **E. <2 Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

College Vision

To emerge and sustain as a center of excellence for technical and managerial education upholding social values.

College Mission

Our aspirants are:

- Imparted with comprehensive, innovative, and value - based education.
- Exposed to technical, managerial, soft skill resources with emphasis on research and professionalism.
- Inculcated with the need for a disciplined, happy, married, and peaceful life.

Quality Policy

Through its Quality Management System, the institute works to continuously improve the overall performance of its faculty and students in accordance with its mission and vision. Actions taken by the Internal Quality Assurance Cell (IQAC). The "Outcome Based Educational Services in Engineering, Technology, and Management," which comprise the planning, creation, and delivery of the college's numerous courses, are covered by a quality assurance manual.

The institution's capacity to deliver higher education services that consistently satisfy stakeholders, legislative, and regulatory standards is ensured by the Quality System, which was created in accordance with the norms of AICTE, UGC, Anna University, NAAC and IQAC. After a thorough brainstorming session with the following academic bodies, the institution's academic policies are developed, adjusted, and put into effect.

Quality Council

The Governing Council is the highest policy making body in the matters of academic and administrative importance.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/regulation.html

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

Participatory management and decentralization are essential to VCET's success. Instead of concentrating power at the top, the college implements decentralization by distributing authority and decision-making among several deans.

This approach ensures professional development, adaptability, and prompt decision-making. Staff members and faculty at all levels have the opportunity to grow as leaders and assume responsibility for their roles. Faculty members who experience participatory management are more cohesive and driven, as it promotes a sense of shared accountability and teamwork.

The figure below illustrates the college's organizational structure, which consists of the Senior Principal, Principal, Deans, Heads of Departments (HoD), Administrative Officers, and various supporting departments, all under the direction of the Chairman of the College.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.1.2.pdf

6.2 - Strategy Development and Deployment

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

The institution uses distinct core areas, each intended to be led by a dean, to develop methods for achieving its objectives.

Academics

Through TLP, the Dean of Academics focuses on ensuring that academic activities run smoothly.

- Perspective Plan for Teaching and Learning Process
- Curriculum Design and Flexibility
- Outcome-Based Education (OBE)
- Innovative Teaching Methods
- Continuous Assessment

- **Choice-Based Credit System (CBCS)**
- **Interdisciplinary Learning**

Student Affairs

The Dean of Student Affairs oversees counseling, disciplinary actions, and student activities.

- **Perspective Plan in Student Affairs**
 - **Discipline Maintenance**
 - **Student Participation in Events**
 - **Organizing Events for Students**
 - **Student Awards**

Research and Development

The Dean of Research and Development fosters a research culture at VCET.

- **Perspective Plan in Research and Development**
 - **Publications in Scopus-Indexed and SCI Journals**
 - **Improving Faculty Citation**
 - **Securing Research Grants**
 - **Planning for Utility Patents**

Planning and Development

The Dean of Planning and Development focuses on infrastructure and the NIRF ranking of the college.

- **Perspective Plan in Planning and Development**
 - **Improving Infrastructure**
 - **NIRF Ranking**

Industry-Institute Interaction

The Dean of Industry-Institute Interaction maintains vital relationships with several businesses and industries to enhance training, internship opportunities, and placements.

- **Perspective Plan in Industry-Institute Interaction**
 - **Signing MoUs with Industry**
 - **Exclusive Placement Training**
 - **Internships**
 - **Placement Drives**

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.2.1.pdf
Upload any additional information	No File Uploaded

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

The committees and members established to oversee various institutional functions are as follows:

- 1. Board of Trustees: Chairman, CEO, Trustees**
- 2. Governing Council: Industrialist, Academician and Advisor**
- 3. Academic Council: Academician and Industrialist**
- 4. Budget and Finance Committee: Senior faculty and coordinators**
- 5. Purchase Committee: Senior faculty and group of members.**
- 6. Hostel Maintenance and Canteen Committee: Hostel warden and faculty members**
- 7. Awards Committee: Senior Faculty and coordinators**
- 8. Faculty Development Committee: Principal, Dean(Academics) and coordinators**
- 9. Library Committee: Librarian and coordinators**
- 10. Disciplinary/ Anti-ragging Committee: Team of Teaching and non-teaching members**
- 11. Gender Issue Cell: A senior faculty and coordinators.**
- 12. Newsletter/ College Calendar /Prospectus committee: Coordinators and faculty**
- 13. Complaints cum Redressal Committee: Dean (Academics) and**

coordinators

14. Transport Committee: Senior faculty and team members

15. Internet Committee: Dean (Planning & Development) and system administrative team

16. Placement Committee: Dean (Industry interaction), Placement coordinator and team members

17. Research Committee: Dean (Research & Development) and coordinators

18. Sports Council: Physical director and team members.

19. Extra and Co- curricular Committee: Dean (Student affairs) & Committee coordinators

File Description	Documents
Paste link to Organogram on the institution webpage	https://vcet.ac.in/vcetit/pdfs/HR%20POLICY%2014.07.2023.pdf
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.2.2.pdf

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

Welfare Measures for Teaching and Non-Teaching Staff:

For Teaching Staff:

- Promote and support continuous professional development through training programs, seminars, and workshops.
- Provide ongoing assistance with research by offering funds for international conferences.
- Grant adequate on-duty leave to faculty members for delivering lectures at other institutions.
- Approve visits to academic institutions and businesses for academic and professional development.
- Ensure that teaching staff members are compensated competitively based on their expertise and qualifications.
- Offer benefits such as health insurance, paid time off, etc.
- Establish guidelines that promote a positive work-life balance, including appropriate vacation and working hours.
- Consider remote work arrangements or flexible scheduling options when feasible.
- Recognize and reward teaching staff members through prizes, acknowledgments, or public recognition for their achievements and contributions.

For Non-Teaching Staff:

- Provide opportunities for professional advancement and job security through skill development, training, and promotions.
- Fund training programs to enhance the skills and job performance of non-teaching staff.
- Offer fee reductions for staff members in the Velammal group of schools and colleges.

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

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

2

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**4**

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

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**119**

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

6.4 - Financial Management and Resource Mobilization**6.4.1 - Institution conducts internal and external financial audits regularly**

- **Being a completely private institution, the organization places high importance on thorough and meticulous financial**

auditing. Every year, an external auditor is hired to carefully examine the books and prepare properly signed financial statements. The organization has implemented a robust system for conducting annual internal and external audits of financial transactions to ensure financial compliance.

- Internal audits are carried out by the institution's financial committee every six months. This committee thoroughly reviews the details of revenue and expenses before submitting a compliance report, via the principal, to the institution's management. An external audit is conducted annually by an independent organization.
- The organization follows a systematic procedure to monitor the efficient and effective use of its funds. The principal presents a budget allocation plan to management at the beginning of the fiscal year, taking into account suggestions from department heads. The college budget includes both non-recurring expenses, such as the purchase of lab equipment, furniture, and other development costs, as well as regular expenses, including salaries, utilities, internet, maintenance, stationery, and other consumables. The accounts department calculates depreciation charges for assets acquired in previous years and monitors spending in line with the budget established by management.

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

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

134066

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Mobilization of funds

- Students' tuition costs for college
- Sponsored initiatives with funding from government agencies or groups.
- Workshops, seminars, STTPs, and the Faculty Development Program (FDP) are all funded.
- Approval of the Modrob plan by AICTE for laboratory setup.
- Money from consulting work.
- Alumni support for the college's well-being.
- MoUs were signed by industry to support the laboratory.

Utilization of Resources

- Pay for non-teaching staff and faculty members
- Construction of the college's infrastructure for research, academic, and other events.
- Acquiring software licenses and hardware.
- Constructing the library's infrastructure and acquiring books for upcoming classes.
- Costs associated with conducting the evaluation and appraisal procedure.
- Compensation for a resource person who comes to the college

to conduct workshops and seminars.

- Funding for patent applications.
- Funding for conference attendance.
- Incentives to the Faculty Members for Publishing Articles

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.4.3.pdf

6.5 - Internal Quality Assurance System

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

The college's IQAC Cell strives to uphold and enhance the standard of instruction, find and recommend innovative ways to use teaching aids, create appropriate infrastructure, and make recommendations for the new self-finance courses. An efficient and successful internal monitoring and coordination system is IQAC. The IQAC recommends quality improvement initiatives to be implemented and serves a crucial role in upholding and improving the institution's quality. To plan, oversee, carry out, and assess the College's teaching, research, and publication activities, the IQAC convenes periodically. The IQAC guidelines are implemented and input is reported by the subcommittees that deal with different departments and activities.

Key activities:

- NBA Accreditation for B.E. CIVIL, B.E. CSE., B.E. ECE, B.E. EEE, B.E. Mechanical, B.Tech. IT.
- New Courses are established. two UG Programme – during this academic year namely B.Tech. Cyber Security and B.Tech. VLSI Design.

- All classrooms are equipped with LCD facility and Seminar halls of each department is equipped with Smart TV, e-podium, sliding and Pin-up boards, comfortable seating arrangements accommodating 100 students, Interactive TV for online access.
- IIC star ranking.

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

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

- course materials, test questions, question-to-CO mapping, assessment schemes, assignment questions, example answer scripts, test performance analysis, course exit surveys, and CO attainment. The audit also includes course rubrics, assessment quality, content delivery strategies, and syllabus coverage. The course instructor receives feedback and suggestions for enhancement.

Question Paper Audit

- The Controller of Examinations Office collaborates with external specialists to audit question papers and response scripts. The appropriate department head receives the scrutiny reports and takes the necessary action.

Course Exit Survey

- This survey is mandatory for each course at the end of the semester and provides core insights into the course from every student who attended. It is considered when calculating the attainment of the course.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

- The institution provides equal opportunities to both male and female students, as well as male and female faculty members and staff. More than 50% of the faculty members are women, and more than 50% of the students are female.
- Women faculty members represent various committees and decision-making bodies. Eight faculty members hold the positions of Heads of Departments and Deans.
- Well-trained and vigilant women Wardens and Assistant Wardens have been appointed to the Girls' Hostel on campus.
- Awareness campaigns on women's safety and gender sensitivity are conducted through street plays, rallies, and camps

organized by NSS student volunteers.

- Bus facilities are provided for female students and women faculty members.
- The college campus is under surveillance with CCTV cameras installed at prominent locations.
- The Internal Complaints Committee (ICC) interacts regularly with female students and resolves the issues raised by them.
- In case of health issues for female students and women faculty members, the college nursing home is available for immediate first aid.
- The college ensures social security through the Anti-Ragging Committee and the Grievance Redressal Committee.
- Emergency contact numbers are displayed at prominent locations on campus. The Disciplinary Committee addresses indiscipline on campus.
- Students are awarded for their performance in both academics and sports.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/ICC%20Members%20Final.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

B. Any 3 of the above

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

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

- **Solid Waste Management**
- **Liquid Waste Management**
- **Biomedical Waste Management**
- **E-Waste Management**
- **Hazardous Chemicals and Radioactive Waste Management**

- **Waste Recycling System**

The college has implemented different waste management processes, each with a proper system in place. The following types of waste are managed by the college:

E-Waste Management Software upgrades are performed as needed. UPS batteries are recharged, exchanged, or repaired by suppliers. Minor repairs are handled by the staff and lab technicians, while major repairs are performed by professional technicians. The equipment is then reused.

Waste Recycling System The STP (Sewage Treatment Plant) supplies water for the extensive lawn, trees, and other plants on campus. Dustbins are available in all classrooms and staff rooms.

Segregation of wet and dry waste is carried out in the hostel mess.

Awareness Programs:

- Water conservation
- Energy conservation

Liquid Waste Management Wastewater is carried through pipelines and is reused for tree plantation.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

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

A. Any 4 or all of the above

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

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

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

A. Any 4 or all of the above

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

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

The college believes in the principle of oneness for the country, and there is no room for intolerance on the campus.

Students from different communities are admitted to the UG, PG, and Ph.D. programs. They mingle with all other students in academic, co-curricular, and extracurricular activities. No

discrimination or restrictions are imposed on them regarding participation.

NSS camps are organized every year in nearby villages, helping students understand societal needs and challenges.

The college treats all students and staff equally, without any discrimination based on caste, region, language, or socio-economic background.

The college also organizes various cultural programs to celebrate the cultural diversity of India. Students from various regional and cultural backgrounds participate in these programs and present their regional or cultural folk songs and dances. These cultural events and sports are organized at different levels within departments, under four different group names - Red Cherries, Yellow Plums, Green Grapes and Blue Berries.

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

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

The College website displays the core values insists the societal responsibility, citizenship and empowerment. In the curriculum, the courses namely Environmental Science, Constitution of India and Essence of Indian Traditional Knowledge are offered for undergraduate students. Value Education courses are offered for postgraduate students. Organized various programmes such National Voter's Day, Engineers Day, World Water Day, Environment Day, etc to make the students and staff understand their duties and responsibilities.

VCET National Service Scheme (NSS) team and NCC organize Blood Donation Camp every year in collaboration with Velammal Medical College.

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

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

C. Any 2 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

The following national events are celebrated at the institution regularly:

- Independence Day
- Republic Day
- Yoga Day
- Women's Day
- World Water Day
- World Telecommunication and Information Society Day
- Road Safety Day

VCET celebrated Birth/Death Anniversaries of the great Indian Personalities:

- Founder's day
- Teacher's day
- Srinivasa Ramanujam Birth Anniversary is celebrated as Mathematics Day.
- Renganathan BirthDay to commemorate Dr.Renganathan- Father of Library Sciences

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

7.2 - Best Practices

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

The Two Best Practices are

I. Inculcation of Research Culture among Faculties and Students

II. Intense Placement Training

I.Inculcation of Research Culture among Faculty and Students

Objectives of the Practice:

- To motivate faculty and students to conduct research and present/publish research papers in reputed journals and conferences.
- To identify thrust areas that align with individual research interests and provide supporting infrastructure based on these areas and the state of the art.
- To create awareness about various funding schemes from the Government, AICTE, DST, DRDO, etc., and motivate faculty to prepare strong research proposals.
- To raise awareness about patents and intellectual property rights.

- To foster a research culture within the institute and encourage lifelong learning skills among students and faculty

II. INTENSE PLACEMENT TRAINING

Objectives of the Practice:

- To develop a Placement and Training cell for career counseling and higher learning in the fields of Engineering and Technology.
- To set up training infrastructure for conducting value-added training programs and enhance students' employability.
- To implement best practices in conducting and coordinating the campus placement process with industries.
- To engage competent training agencies to train students in soft skills and personality development programs.

File Description	Documents
Best practices in the Institutional website	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-7/7.2.pdf
Any other relevant information	https://vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf

7.3 - Institutional Distinctiveness

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

Vision of the Institution:

To emerge and sustain as a center of excellence for technical and managerial education, upholding social values.

A measure of sustaining as a center of excellence is to impart education that empowers students to become employable, opt for higher studies in reputed institutions, or explore avenues for entrepreneurship. In keeping with its Vision and Mission, the College ensures that students develop the confidence to fit into more than one of these categories.

The Training and Placement Cell begins its training program every year at the start of the third year. Students are given intensive

training in aptitude tests, logical reasoning, technical knowledge, enhancing soft skills, and preparing for both technical and HR interviews through multiple sessions. As a result, the College is justifiably proud of its consistent placement rate of 80-85% each year in highly reputed MNCs.

Preparing students for the GATE examination is an integral part of every department's activities. Students are encouraged to sit for the GATE exam to qualify for higher studies in reputed institutions and also enhance their employability in PSUs.

The College places strong emphasis on developing students into employers rather than employees. The College has set up a DST-sponsored IEDC (Innovation and Entrepreneurship Development Centre) to foster budding entrepreneurs by regularly organizing Entrepreneurship Development programs for students.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The latest regulation R2021 was implemented for UG and PG programmes in the year 2021 under Choice Based Credit System (CBCS). In regulation R2021, the institute offers Professional Core, Professional Electives, Open elective courses, Value Added Courses (VAC), Audit Course (AUC), Theory Course with Laboratory Component (TCLC), and Employability Enhancement Courses to meet the local, national and global needs with learning objectives.

In Regulation 2025 of all programmes, average of 20 % of syllabus revision was carried out to meet the local, national, and global needs with learning objectives.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-1/1.1.1.pdf

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

10

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

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

100

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****100**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**12**

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

1.3 - Curriculum Enrichment

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

The institute ensures integration of relevant cross cutting issues in the curriculum of the programme offered. Professional Ethics, Environmental science, Constitution of India

are mandatory course in all undergraduate programmes. Courses like disaster management, green computing, project management, Entrepreneur development are also offered to the students. Environmental science: The course encompasses all the aspects of the environment such as natural resources, biodiversity, pollution, alternate energy sources, and human intervention - causes and effects and social ethics. Apart from the mandatory course, an ECO club functions in the college; the club enrolls members and carries out activities to create awareness of environmental conservation.

Gender cell: VCET facilitates a gender-sensitive and congenial campus environment so that anyone in the campus is not subjected to gender-specific discrimination. The cell takes care of the issues related to gender if any and also popularizes gender equality through programs like International Women's Day celebrations. Grievance Redressal Committee takes care of the suggestions and grievances of the students and staff at all levels of the college.

Professional Ethics Human values and ethics are important to cultivate value-based education for students. A course on Professional Ethics has been introduced. The curriculum also includes a mandatory course on Professional Communication, and Interpersonal Skills courses to develop human values and communication skills.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

31

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

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**981**

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

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**1096**

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	B. Feedback collected, analysed and action taken
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File Description	Documents
Provide URL for stakeholders' feedback report	nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

757

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

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

SC: 60; ST: 0; OBC :652; Gen :13; others :24

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

2.2 - Catering to Student Diversity

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

The institution assesses the level of student's regularly and identifies the measures to take and address the requirements accordingly. The first year students are segregated into different sections based on their Higher Secondary Group, Medium of Study and their Cut off marks. In order to improve their learning ability, the Induction Programme is conducted even prior to the beginning of semester: This program includes

- Skill Enhancement through Advanced Learning
- Outline of Outcome Based Education (OBE)
- Career Guidance
- Design Thinking
- Personality Development
- Soft Skill Training

Remedial Measures for Slow Learners

- Slow learners are identified based on their internal assessment test performance and End Semester exam results.
- Remedial classes and intensive coaching sessions are organized to help them improve academically.
- They are regularly counselled after each test by the mentor.

Step ups for Advanced Learners

- Advanced learners are encouraged to enrol in fast-track courses.
- Student Centric Learning for Advanced Learners through Value Added Courses, Special Courses, International Certifications, Pro internship etc.
- Students have the option to withdraw elective courses by completing equivalent online courses on the NPTEL platform.
- They are offered the opportunity to pursue an Honours degree with specialization.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
05/03/2024	2302	144

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Student centric methods adopted in the institute are:

- Students are encouraged to undergo NPTEL/SWAYAM Online courses.
- In-plant training and Internship at a minimum duration of 15 days offered by reputed companies and premier institutes are undertaken.
- Regional Languages like Hindi and Foreign Languages like German training are arranged.
- Integrated Aptitude and Integrated Technical Training sessions where students get trained in problem solving, logical thinking etc.
- The curriculum is crafted to keep students updated with the latest knowledge incorporating industry-related courses. Students can select their open elective and professional elective courses.
- Students joining with faculty members in executing projects funded by the industries and Government agencies.
 - Students interested in projects are identified and motivated to participate in Contests like Smart India Hackathon, 3-Idiots etc..
- Handling the classes to the junior students by seniors, mentoring by alumni, laboratory courses, preparation for competitive examinations, wherever required.
- Tutorial component is introduced in the analytical courses, wherever required.
- Internal hackathon have been conducted across various departments.
- Pre-placement internships in companies to solve problems and Executing capstone projects.

Students actively participate in MSME Ideathons to showcase innovative ideas and develop entrepreneurial skills.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.3.1.pdf

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

Process:

- Classrooms are equipped with projectors to enable the Faculty Members to handle their classes effectively.
- The Central Library consists of subscriptions of IEEE journals which helps to access the online research papers effectively.
- Google Classrooms are used to post and share their online resources and also to teach effectively.
- Online tools like Quizz, educandy, circuit maker, Online exam maker, Exam viewetc.. are used by the subject handling staff members to deliver the contents and assess them.
- Innovative Assignments-More online assignments and tasks are given to students for better learning.
- NPTEL lectures are also used to explain concepts.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.3.2.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

143

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Preparation of Academic Calendar:

Before the start of an academic year, the institution prepares the academic calendar in coordination with the Senior Principal, Principal, Deans, Heads of Departments, and various Club in-charges. It has the details of commencement of classes, Internal Assessment Tests, Seminars, Workshops, and other events organized by each department. It is also being disseminated through the college website. The planned schedule is followed systematically and monitored by the HODs, class in-charges, and club in-charges.

Preparation of Teaching Plan:

Course instructors create detailed teaching plans aligned with the academic calendar, specifying instructional hours, reference materials, web materials and pedagogical strategies. Laboratory manuals are pre-prepared with detailed experiment descriptions.

Adherence to the Teaching Plan:

Based on the academic calendar, IATs are conducted and the marks are uploaded in the Student Information System (SIS) software by the concerned course instructor. At the end of every month, module coordinator and respective HoD's used to verify the adherence. The Academic Audit committee verifies the course file whether activities are carried out as per the teaching plan or not at the end of every semester.

Adherence to the Academic Events:

All academic events are pre-planned, with any deviations documented, justified, and reported to higher authorities.

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

2.4 - Teacher Profile and Quality

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

144

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

56

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

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

8 years 10 months

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

2.5 - Evaluation Process and Reforms

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

75

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

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

385

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

VCET has adopted summative assessments namely Continuous Internal Assessment Tests. By this, the performance of the student is evaluated by three internal assessment tests for theory courses and one model examination for the practical courses.

Process for Internal semester Question paper setting & Evaluation and Effective Process Implementation

The internal tests are conducted twice in a semester and one model exam is conducted at the end of the semester. Based on the portions, Bloom's taxonomy and framed CO's the question bank is prepared for each course. Previous year University questions and GATE questions are also taken into account while preparing the internal test questions. The prepared question bank is

verified by the Course coordinator, the module coordinator and then by the HOD.

VCET has the provision of Student Information System (SIS) portal. The marks of Internal Assessments Test, Assignment and hourly attendance are entered in SIS by our faculty members. Hence, calculation of internal marks and consolidated attendance is performed directly by SIS. For project work, three reviews are conducted.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.5.3.pdf

2.6 - Student Performance and Learning Outcomes

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

The institution follows “Outcome Based Education” and imparts education through a student centric approach. 12 Program Outcomes (POs), 2 Programs Specific Outcomes (PSOs) are formulated for all the programs. The curriculum composition is carefully designed to attain the defined POs and PSOs.

The Course Outcomes (COs) are formulated for all the courses and approved by the Board of Studies. The COs of each course are discussed with the students at the beginning of each unit by the course faculty. Also, the COs are mentioned in the continuous internal assessment test question paper along with its knowledge level for each question.

The Vision, Mission, POs, and PSOs are published on the college websites. The dissemination of the same to the stakeholders such as faculty, students, alumni, parents, and employers are done as mentioned below:

- Displayed in College Website
- Discussion during the Induction Programme
- Professional Body meetings
- Library
- Displayed in the department prominent places like:

1. HOD Room
2. Classrooms
3. Laboratories
4. Display Boards
5. Faculty Cabins
6. Seminar Hall
7. All brochures of FDPs/Seminars

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.1.pdf

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

Assessment process starts from the attainment of course outcomes. Course co-ordinator does the mapping of CO-PO-PSO and decides delivery methods, assessment components for each CO, which is categorized into direct and indirect.

Direct assessment includes continuous assessment components (internal tests, assignments) and end semester examination as per the regulation. Each component is associated with a set of questions, course outcome, cognitive level, marks awarded. From the attainment of COs, the PO, PSO attainment are calculated.

The overall CO attainment has been calculated by considering 60% of CO attainment obtained using internal assessments and 40% of CO attainment obtained using end semester exams.

The attainment of CO against the target is checked; the level of attainment and the level of competency are increased for the next academic year, if the target is achieved.

Otherwise, a Program Assessment Committee Meeting is conducted to discuss the necessity of amendments in content delivery method, assessment method by considering the course evaluation and instructor report in order to achieve the CO attainment against the target.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.2.pdf

2.6.3 - Pass Percentage of students

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

426

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

<https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Velammal College of Engineering and Technology provides a favourable environment for research activities.

A Research and Development Cell has been established both at the institute and department levels to discuss thrust areas in various domains of Engineering and to promote interdisciplinary Research.

Students are also actively involved in research activities. IIC cell of the various departments organizes various workshops, seminars and experts talk for students to enhance their creative innovations.

The functions of Research Committees are:

a) To review the monthly faculty research progress and the same may be submitted to the principal.

b) Periodically, Expert talk has been arranged for the betterment of the Institution towards the Research Excellence.

c) Disseminating the Research related Information like call for Proposal, call for Book chapters, etc., to the faculty community via Email and WhatsApp group.

d) To create the forum to discuss the Research happening within the Department through conclave.

e) Motivate the faculty/student team to register their Innovative/creative ideas as patents (IPR).

f) Research Incentives has been announced to ensure the quality of Research

Publications.

g) To motivate the faculty team to do their Doctoral studies in our Institution, since our Institute has been recognized as "Research Institute" by CFR, Anna University, Chennai.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf
Any additional information	No File Uploaded

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

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

Nil

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

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

1

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

3.2 - Resource Mobilization for Research

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

251.71 Lakhs

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

3.2.2 - Number of teachers having research projects during the year

17

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

3.2.3 - Number of teachers recognised as research guides

24

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

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

5

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

3.3 - Innovation Ecosystem

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

- The Institution has an ecosystem for Innovations through R&D cell, CIPD, MSME and IIC.
- Velammal College of Engineering and Technology has several forums that includes ECE Association, IETE student chapter, Rasiduno club and ISTE student chapter for students and teachers.
- The R&D cell grasp periodical review meetings and guides in writing project proposals and scientific papers leading to publication and filing patents.
- The Institution Innovation Council of VCET helps in building an ecosystem of Innovation, entrepreneurship and conducts startup awareness activities such as workshops, idea competition, lab visits around the year.

- Upon conducting the idea searching/pitching competitions selected ideas of both students and faculty are granted with seed money to prototype the ideas.

The career guidance cell & Entrepreneurs development cell conducts programmes for inculcating leadership qualities and assisting the students to pursue their higher studies.

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

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

112

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

B. Any 3 of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

63

File Description	Documents
URL to the research page on HEI website	https://www.vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

86

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

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

55

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

758

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

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

3.4.6.1 - h-index of Scopus during the year

31

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

3.5 - Consultancy

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

3,06,900/-

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

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

18000

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

3.6 - Extension Activities

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

1. NSS has organized Awareness Programmes on Alcoholism Awareness Programmes, Vaccination Camps, "Mask Mela" programs, Road Safety, Drug Awareness Programmes.

2. The NSS unit of VCET has actively conducted various plantation and cleanliness propels, blood donation camps in collaboration with Velammal Medical College and volunteering activities in NGO's.

3. The activities lead to imbibing the values of social

responsibility such as

- * To help people in need and in stress.
- * To understand and share the need of underprivileged children.
- * To acquire social values and deep interest in environment related issues.

4. Learning outcomes of the extended activities are:

- a. Broaden knowledge of social issues by actively participating in community life and joining efforts to address pressing problems.
- b. Accumulate relations and tie up with organizations/NGO's to carry forward humanitarian works.
- c. Develop a passion and brotherhood among the community, affected people/animals and destitute.
- d. Inculcate the skills like social, communication, management, leadership, analytical and perceptual, reasoning, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-3/3.6.1.pdf

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

8

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

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

69

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

138

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

964

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

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

38

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

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

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

Classrooms:

- **Number:38, Capacity 40-75**
- **Equipped with Multimedia Projector, Fan, Light, and Table with chair, with good ambience, adequate lighting and good ventilation.**
- **Size is equal to or more than that stipulated by statutory bodies.**
- **Enabled with Wi-Fi facility to implement Active Learning strategies**

Tutorial Rooms:

- **Number:7, Capacity 40-75**
- **Equipped with LCD Projector, Wi-Fi, White Board, and chairs attached with writing pad**

Seminar Halls:

- **Number:3, Capacity 50-100**

- Equipped with LCD Projector with Smart board facility, WiFi, Audio and Video facilities

Laboratories:

- Number: 43, Capacity 30-60
- Equipped with state of the art facilities with adequate safety measures and periodic maintenance.
- Few of the Laboratories are established with Industries support

Computing Facility:

- Internet facilities are available on the whole campus, including labs, classrooms, library, offices of all departments, and hostels. The entire campus is Wi-Fi enabled, with 24/7 internet facilities for students and faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.1.1.pdf

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

Physical Education Departments Facilities

VCET has well equipped sports facilities cater for the sports and games requirements of the students. Every year around 500 students participate in all the sports and games event. VCET conducts ANNA University zonal tournaments, Inter zonal tournaments, Intra and Inter department tournaments and Intra moral tournaments.

Sports Facilities

1. Play Field =Total area 3 Acres

2. Outdoor Sports & games

Basketball Court 1 No -15m X 28m

Kabaddi Court 2 Nos -13m X 10m

Volleyball Court 2 Nos -18m X 9m

Tennis Court 2 Nos 2 - 3.77m X 10.97m

Handball Court 1No -40m X 20m

Ball Badminton 2 Nos -24m X 12m

Badminton Court 2 Nos -13.40m X 6.10m

Kho - Kho Court 1 No - 19m X 30m

Track & Field Non - Standard 200 Mts

Long Jump Pit 1 No -3m X 9m

3. Indoor Sports & Games

Table Tennis 3 Board 30m X 30m

Chess 15 Board Standard 4

Gymnasium 11m X 8.50m

Auditorium:

An Institute has an auditorium with good acoustics. There is a speaker stand and a few chairs for the presiding officer and others. There is a mike and speakers in the hall. The hall was constructed in such a way that the speaker's voice is clearly heard in the entire hall without strain or echoes. The acoustics and the appearance of the hall can be improved using appropriate special plaster, curtains, wall hangings and absorbent ceilings. Adequate facilities of flood light and spot light should be available.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities**48**

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

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)**218.55660**

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

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)****Library Automation**

The Library is fully automated using the software "AUTOLIB" - multi user LAN version 5.1 with WEB OPAC. Our college library is fully automated from the academic year 2009-2010.

Library Automation Software contains various modules that

are cataloguing, reports, acquisition, circulation, OPAC, database management, periodicals and many more which helps in the smooth functioning of library management.

The purpose of library automation is to satisfy user needs in the changed information scenario. As the computer can be used to perform the various activities of the library, library automation can serve as a remedy to all the existing problems of libraries.

OPAC

Users can access the Book availability and other resources' information (CD-ROM, Back Volumes, and Projects) with the help of Online Public Access Catalogue. Using OPAC, User Can Search the availability of books based on the title, author and accession number.

Three systems are dedicated for OPAC in the library.

Using Web OPAC, users can access their Personal transaction information (issue/return of Books). OPAC can be accessed throughout the campus through an IP address and also through the college website.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.2.1.pdf

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

A. Any 4 or more of the above

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

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**102.25818**

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**4.2.4.1 - Number of teachers and students using the library per day during the year****65**

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

4.3 - IT Infrastructure

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

The college has a high-speed campus-wide network with 997 systems. Labs with PCs in all departments provide easy access to computing resources, software services, and applications that meet the specific teaching and learning needs of each department.

The internet facility is supported by a leased line from Airtel, offering 600 Mbps and 15 Mbps for RF. The Internet Gateway includes a Web Server, Symantec Endpoint Protection 14.0, firewall protection through SOPHOS XG 230 Xtreme Protection UTM, a D-Link switch, and other networking components, ensuring an efficient and secure LAN.

The Main Computer Center houses multiple servers, including: a Windows server, a Linux server, a CAD/CAE server, an Oracle

database server, a Moodle LMS server, and an NPTEL server. All servers can be accessed across the campus through the LAN. The details of major IT facilities updated in the academic year 2023-2024 are enclosed in the attachment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.3.1.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2279	997

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

218.55660

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Yes, there are well established systems and procedures for maintaining and utilizing physical, academic and support facilities.

Infrastructure Facilities:

Infrastructure facilities are maintained by the team of civil engineers, plumbers, electricians, supervisors, gardeners and carpenters.

Classrooms and Laboratories:

Utilization of classrooms, Laboratories and seminar halls are ensured before the commencement of semester. Log record maintained for resource utilization.

Laboratory :

All the laboratories are well maintained, lab in-charge and staff in-charge are taking care of maintenance works, which

will be verified by the Head of the Department. Well established procedure is available for service and maintenance of lab equipment.

Library :

Library activities are governed by the Librarian. The Central Library of the Institute is stocked with thousands of books and periodicals. Annual stock verification is being carried out regularly and maintained in the library stock register. It keeps track of new book requirements, renewal and subscription of journals and book circulations.

Computer System Maintenance Servers and desktop systems are upgraded periodically.

PED Department:

The physical director is responsible to take care of sports equipments, facilities, sports field and regular sports activities.

Other services:

Cafeteria

Banking / ATM

Stationary and Reprographic

Transport

Fully equipped medical centre with an Ambulance

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-4/4.4.2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year**676**

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

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year**0**

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	No File Uploaded

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**4017**

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

269

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

5.2.2 - Number of outgoing students progressing to higher education**14**

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

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year****2**

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

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year****13**

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

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution**Department Advisory Committee (DAC):**

Velammal College of Engineering & Technology (Autonomous) has a Department Advisory Committee in all departments, which

consists of active student members. Through this committee, the UG and PG curriculum is discussed and reviewed to enhance the impartation of advanced knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.3.2.pdf

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

2

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

5.4 - Alumni Engagement

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

Alumni Association

The concept of the Alumni Association evolved to meet the needs of both academicians and professionals, with the aim of building a bridge between college life and career life. This ensures that fresh graduates are made proactive and ready to face the current challenges of the competitive professional world. The Alumni Association of Velammal College of Engineering and Technology, Madurai, was formed on 29th May 2014, under the name "VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY ALUMNI ASSOCIATION."

MISSION OF VCET ALUMNI ASSOCIATION:

- To reunite in the nest from where we grew and flew off.
- To build a bridge between college life and career life, introducing present students to the professional world

and preparing them to face the challenges that may arise in their career paths.

- To provide job opportunities to recent graduates through professional references.
- To conduct orientation and training programs on various topics to enhance students' skills.
- To create awareness among students about the scope of their subjects in the professional world and provide a platform for them to develop their qualities.

The Alumni Association coordinates and supports the following activities:

1. Annual Alumni Meet
2. Department-level Alumni Interaction
3. Knowledge Transfer
4. Placement for Final Year Students whenever necessary

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-5/5.4.1.pdf

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

College Vision

To emerge and sustain as a center of excellence for technical and managerial education upholding social values.

College Mission

Our aspirants are:

- Imparted with comprehensive, innovative, and value - based education.
- Exposed to technical, managerial, soft skill resources with emphasis on research and professionalism.
- Inculcated with the need for a disciplined, happy, married, and peaceful life.

Quality Policy

Through its Quality Management System, the institute works to continuously improve the overall performance of its faculty and students in accordance with its mission and vision. Actions taken by the Internal Quality Assurance Cell (IQAC). The "Outcome Based Educational Services in Engineering, Technology, and Management," which comprise the planning, creation, and delivery of the college's numerous courses, are covered by a quality assurance manual.

The institution's capacity to deliver higher education services that consistently satisfy stakeholders, legislative, and regulatory standards is ensured by the Quality System, which was created in accordance with the norms of AICTE, UGC, Anna University, NAAC and IQAC. After a thorough brainstorming session with the following academic bodies, the institution's academic policies are developed, adjusted, and put into effect.

Quality Council

The Governing Council is the highest policy making body in the matters of academic and administrative importance.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/regulation.html

6.1.2 - Effective leadership is reflected in various institutional practices such as

decentralization and participative management

Participatory management and decentralization are essential to VCET's success. Instead of concentrating power at the top, the college implements decentralization by distributing authority and decision-making among several deans.

This approach ensures professional development, adaptability, and prompt decision-making. Staff members and faculty at all levels have the opportunity to grow as leaders and assume responsibility for their roles. Faculty members who experience participatory management are more cohesive and driven, as it promotes a sense of shared accountability and teamwork.

The figure below illustrates the college's organizational structure, which consists of the Senior Principal, Principal, Deans, Heads of Departments (HoD), Administrative Officers, and various supporting departments, all under the direction of the Chairman of the College.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.1.2.pdf

6.2 - Strategy Development and Deployment

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

The institution uses distinct core areas, each intended to be led by a dean, to develop methods for achieving its objectives.

Academics

Through TLP, the Dean of Academics focuses on ensuring that academic activities run smoothly.

- Perspective Plan for Teaching and Learning Process
- Curriculum Design and Flexibility
- Outcome-Based Education (OBE)

- **Innovative Teaching Methods**
- **Continuous Assessment**
- **Choice-Based Credit System (CBCS)**
- **Interdisciplinary Learning**

Student Affairs

The Dean of Student Affairs oversees counseling, disciplinary actions, and student activities.

- **Perspective Plan in Student Affairs**
 - **Discipline Maintenance**
 - **Student Participation in Events**
 - **Organizing Events for Students**
 - **Student Awards**

Research and Development

The Dean of Research and Development fosters a research culture at VCET.

- **Perspective Plan in Research and Development**
 - **Publications in Scopus-Indexed and SCI Journals**
 - **Improving Faculty Citation**
 - **Securing Research Grants**
 - **Planning for Utility Patents**

Planning and Development

The Dean of Planning and Development focuses on infrastructure and the NIRF ranking of the college.

- **Perspective Plan in Planning and Development**
 - **Improving Infrastructure**
 - **NIRF Ranking**

Industry-Institute Interaction

The Dean of Industry-Institute Interaction maintains vital relationships with several businesses and industries to enhance training, internship opportunities, and placements.

- **Perspective Plan in Industry-Institute Interaction**
 - **Signing MoUs with Industry**
 - **Exclusive Placement Training**
 - **Internships**

◦ **Placement Drives**

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.2.1.pdf
Upload any additional information	No File Uploaded

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

The committees and members established to oversee various institutional functions are as follows:

- 1. Board of Trustees: Chairman, CEO, Trustees**
- 2. Governing Council: Industrialist, Academician and Advisor**
- 3. Academic Council: Academician and Industrialist**
- 4. Budget and Finance Committee: Senior faculty and coordinators**
- 5. Purchase Committee: Senior faculty and group of members.**
- 6. Hostel Maintenance and Canteen Committee: Hostel warden and faculty members**
- 7. Awards Committee: Senior Faculty and coordinators**
- 8. Faculty Development Committee: Principal, Dean(Academics) and coordinators**
- 9. Library Committee: Librarian and coordinators**
- 10. Disciplinary/ Anti-ragging Committee: Team of Teaching and non-teaching members**
- 11. Gender Issue Cell: A senior faculty and coordinators.**
- 12. Newsletter/ College Calendar /Prospectus committee: Coordinators and faculty**

13. Complaints cum Redressal Committee: Dean (Academics) and coordinators

14. Transport Committee: Senior faculty and team members

15. Internet Committee: Dean (Planning & Development) and system administrative team

16. Placement Committee: Dean (Industry interaction), Placement coordinator and team members

17. Research Committee: Dean (Research & Development) and coordinators

18. Sports Council: Physical director and team members.

19. Extra and Co- curricular Committee: Dean (Student affairs) & Committee coordinators

File Description	Documents
Paste link to Organogram on the institution webpage	https://vcet.ac.in/vcetit/pdfs/HR%20POLICY%2014.07.2023.pdf
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.2.2.pdf

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

Welfare Measures for Teaching and Non-Teaching Staff:

For Teaching Staff:

- Promote and support continuous professional development through training programs, seminars, and workshops.
- Provide ongoing assistance with research by offering funds for international conferences.
- Grant adequate on-duty leave to faculty members for delivering lectures at other institutions.
- Approve visits to academic institutions and businesses for academic and professional development.
- Ensure that teaching staff members are compensated competitively based on their expertise and qualifications.
- Offer benefits such as health insurance, paid time off, etc.
- Establish guidelines that promote a positive work-life balance, including appropriate vacation and working hours.
- Consider remote work arrangements or flexible scheduling options when feasible.
- Recognize and reward teaching staff members through prizes, acknowledgments, or public recognition for their achievements and contributions.

For Non-Teaching Staff:

- Provide opportunities for professional advancement and job security through skill development, training, and promotions.
- Fund training programs to enhance the skills and job performance of non-teaching staff.
- Offer fee reductions for staff members in the Velammal group of schools and colleges.

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

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

2

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

4

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

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

119

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

- Being a completely private institution, the organization places high importance on thorough and meticulous financial auditing. Every year, an external auditor is hired to carefully examine the books and prepare properly signed financial statements. The organization has implemented a robust system for conducting annual internal and external audits of financial transactions to ensure financial compliance.
- Internal audits are carried out by the institution's financial committee every six months. This committee thoroughly reviews the details of revenue and expenses before submitting a compliance report, via the principal, to the institution's management. An external audit is conducted annually by an independent organization.
- The organization follows a systematic procedure to monitor the efficient and effective use of its funds. The principal presents a budget allocation plan to management at the beginning of the fiscal year, taking into account suggestions from department heads. The college budget includes both non-recurring expenses, such as the purchase of lab equipment, furniture, and other development costs, as well as regular expenses, including salaries, utilities, internet, maintenance, stationery, and other consumables. The accounts department calculates depreciation charges for assets acquired in previous years and monitors spending in line with the budget established by management.

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

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

134066

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Mobilization of funds

- Students' tuition costs for college
- Sponsored initiatives with funding from government agencies or groups.
- Workshops, seminars, STTPs, and the Faculty Development Program (FDP) are all funded.
- Approval of the Modrob plan by AICTE for laboratory setup.
- Money from consulting work.
- Alumni support for the college's well-being.
- MoUs were signed by industry to support the laboratory.

Utilization of Resources

- Pay for non-teaching staff and faculty members

- Construction of the college's infrastructure for research, academic, and other events.
- Acquiring software licenses and hardware.
- Constructing the library's infrastructure and acquiring books for upcoming classes.
- Costs associated with conducting the evaluation and appraisal procedure.
- Compensation for a resource person who comes to the college to conduct workshops and seminars.
- Funding for patent applications.
- Funding for conference attendance.
- Incentives to the Faculty Members for Publishing Articles

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-6/6.4.3.pdf

6.5 - Internal Quality Assurance System

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

The college's IQAC Cell strives to uphold and enhance the standard of instruction, find and recommend innovative ways to use teaching aids, create appropriate infrastructure, and make recommendations for the new self-finance courses. An efficient and successful internal monitoring and coordination system is IQAC. The IQAC recommends quality improvement initiatives to be implemented and serves a crucial role in upholding and improving the institution's quality. To plan, oversee, carry out, and assess the College's teaching, research, and

publication activities, the IQAC convenes periodically. The IQAC guidelines are implemented and input is reported by the subcommittees that deal with different departments and activities.

Key activities:

- NBA Accreditation for B.E. CIVIL, B.E. CSE., B.E. ECE, B.E. EEE, B.E. Mechanical, B.Tech. IT.
- New Courses are established. two UG Programme – during this academic year namely B.Tech. Cyber Security and B.Tech. VLSI Design.
- All classrooms are equipped with LCD facility and Seminar halls of each department is equipped with Smart TV, e-podium, sliding and Pin-up boards, comfortable seating arrangements accommodating 100 students, Interactive TV for online access.
- IIC star ranking.

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

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

- course materials, test questions, question-to-CO mapping, assessment schemes, assignment questions, example answer scripts, test performance analysis, course exit surveys, and CO attainment. The audit also includes course rubrics, assessment quality, content delivery strategies, and syllabus coverage. The course instructor receives feedback and suggestions for enhancement.

Question Paper Audit

- The Controller of Examinations Office collaborates with

external specialists to audit question papers and response scripts. The appropriate department head receives the scrutiny reports and takes the necessary action.

Course Exit Survey

- This survey is mandatory for each course at the end of the semester and provides core insights into the course from every student who attended. It is considered when calculating the attainment of the course.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

- The institution provides equal opportunities to both male and female students, as well as male and female faculty members and staff. More than 50% of the faculty members are women, and more than 50% of the students are female.
- Women faculty members represent various committees and decision-making bodies. Eight faculty members hold the positions of Heads of Departments and Deans.
- Well-trained and vigilant women Wardens and Assistant Wardens have been appointed to the Girls' Hostel on campus.
- Awareness campaigns on women's safety and gender sensitivity are conducted through street plays, rallies, and camps organized by NSS student volunteers.
- Bus facilities are provided for female students and women faculty members.
- The college campus is under surveillance with CCTV cameras installed at prominent locations.
- The Internal Complaints Committee (ICC) interacts regularly with female students and resolves the issues raised by them.
- In case of health issues for female students and women faculty members, the college nursing home is available for immediate first aid.
- The college ensures social security through the Anti-Ragging Committee and the Grievance Redressal Committee.
- Emergency contact numbers are displayed at prominent locations on campus. The Disciplinary Committee addresses indiscipline on campus.
- Students are awarded for their performance in both academics and sports.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vcet.ac.in/vcetit/pdfs/ICC%20Members%20Final.pdf
7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	B. Any 3 of the above

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

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

- **Solid Waste Management**
- **Liquid Waste Management**
- **Biomedical Waste Management**
- **E-Waste Management**
- **Hazardous Chemicals and Radioactive Waste Management**
- **Waste Recycling System**

The college has implemented different waste management processes, each with a proper system in place. The following types of waste are managed by the college:

E-Waste Management Software upgrades are performed as needed. UPS batteries are recharged, exchanged, or repaired by suppliers. Minor repairs are handled by the staff and lab technicians, while major repairs are performed by professional technicians. The equipment is then reused.

Waste Recycling System The STP (Sewage Treatment Plant) supplies water for the extensive lawn, trees, and other plants on campus. Dustbins are available in all classrooms and staff rooms.

Segregation of wet and dry waste is carried out in the hostel mess.

Awareness Programs:

- **Water conservation**
- **Energy conservation**

Liquid Waste Management Wastewater is carried through pipelines and is reused for tree plantation.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

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

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

A. Any 4 or all of the above

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

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

A. Any 4 or all of the above

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

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

The college believes in the principle of oneness for the country, and there is no room for intolerance on the campus.

Students from different communities are admitted to the UG, PG, and Ph.D. programs. They mingle with all other students in academic, co-curricular, and extracurricular activities. No discrimination or restrictions are imposed on them regarding participation.

NSS camps are organized every year in nearby villages, helping students understand societal needs and challenges.

The college treats all students and staff equally, without any discrimination based on caste, region, language, or socio-economic background.

The college also organizes various cultural programs to celebrate the cultural diversity of India. Students from various regional and cultural backgrounds participate in these programs and present their regional or cultural folk songs and dances. These cultural events and sports are organized at different levels within departments, under four different group names – Red Cherries, Yellow Plums, Green Grapes and Blue Berries.

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

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

The College website displays the core values insists the societal responsibility, citizenship and empowerment. In the curriculum, the courses namely Environmental Science, Constitution of India and Essence of Indian Traditional Knowledge are offered for undergraduate students. Value Education courses are offered for postgraduate students. Organized various programmes such National Voter's Day, Engineers Day, World Water Day, Environment Day, etc to make the students and staff understand their duties and responsibilities.

VCET National Service Scheme (NSS) team and NCC organize Blood Donation Camp every year in collaboration with Velammal Medical College.

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

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

C. Any 2 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

The following national events are celebrated at the institution regularly:

- **Independence Day**
- **Republic Day**
- **Yoga Day**
- **Women's Day**
- **World Water Day**
- **World Telecommunication and Information Society Day**
- **Road Safety Day**

VCET celebrated Birth/Death Anniversaries of the great Indian Personalities:

- **Founder's day**
- **Teacher's day**
- **Srinivasa Ramanujam Birth Anniversary is celebrated as Mathematics Day.**
- **Renganathan BirthDay to commemorate Dr.Renganathan-Father of Library Sciences**

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

7.2 - Best Practices

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

The Two Best Practices are

I. Inculcation of Research Culture among Faculties and Students

II. Intense Placement Training

I. Inculcation of Research Culture among Faculty and Students

Objectives of the Practice:

- To motivate faculty and students to conduct research and present/publish research papers in reputed journals and conferences.
- To identify thrust areas that align with individual research interests and provide supporting infrastructure based on these areas and the state of the art.
- To create awareness about various funding schemes from the Government, AICTE, DST, DRDO, etc., and motivate faculty to prepare strong research proposals.
- To raise awareness about patents and intellectual property rights.
- To foster a research culture within the institute and encourage lifelong learning skills among students and faculty

II. INTENSE PLACEMENT TRAINING

Objectives of the Practice:

- To develop a Placement and Training cell for career counseling and higher learning in the fields of

Engineering and Technology.

- To set up training infrastructure for conducting value-added training programs and enhance students' employability.
- To implement best practices in conducting and coordinating the campus placement process with industries.
- To engage competent training agencies to train students in soft skills and personality development programs.

File Description	Documents
Best practices in the Institutional website	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-7/7.2.pdf
Any other relevant information	https://vcet.ac.in/vcetit/pdfs/Research/Research%20Policy.pdf

7.3 - Institutional Distinctiveness

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

Vision of the Institution:

To emerge and sustain as a center of excellence for technical and managerial education, upholding social values.

A measure of sustaining as a center of excellence is to impart education that empowers students to become employable, opt for higher studies in reputed institutions, or explore avenues for entrepreneurship. In keeping with its Vision and Mission, the College ensures that students develop the confidence to fit into more than one of these categories.

The Training and Placement Cell begins its training program every year at the start of the third year. Students are given intensive training in aptitude tests, logical reasoning, technical knowledge, enhancing soft skills, and preparing for both technical and HR interviews through multiple sessions. As a result, the College is justifiably proud of its consistent placement rate of 80-85% each year in highly reputed MNCs.

Preparing students for the GATE examination is an integral part of every department's activities. Students are encouraged to

sit for the GATE exam to qualify for higher studies in reputed institutions and also enhance their employability in PSUs.

The College places strong emphasis on developing students into employers rather than employees. The College has set up a DST-sponsored IEDC (Innovation and Entrepreneurship Development Centre) to foster budding entrepreneurs by regularly organizing Entrepreneurship Development programs for students.

File Description	Documents
Appropriate link in the institutional website	https://vcet.ac.in/vcetit/pdfs/NAAC/AQAR5/2023-2024/Criteria-7/7.3.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

The future plans of Action for next Academic year:

1. To create an Incubation Centre to cater to the need of society.
2. To have more industry-academic interface with functional MoU signed.
3. Conducting activities to hone the creative skills of students and provide a platform to display their creativity.
4. Initiatives for eco-friendly learning space.
5. Conducting student-focused academic and skills development activities.
6. The institution plans to focus more on research and Development in the next Academic year by increasing the publications of faculty and also motivating the student community to write research papers.
7. 100% placement of eligible and placement-interested students.
8. Student Centric Startup and Entrepreneurship initiatives

