



IQAC VCET <iqacvcet@gmail.com>

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## AQAR Review Message

1 message

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**Admin-Naac** <noreply.onlineassessment@gmail.com>  
To: VELALARCOLLEGE OF ENGINEERING AND TECHNOLOGY <iqacvcet@gmail.com>  
Cc: onlineassessment@naac.gov.in

Tue, Feb 25, 2025 at 10:36 AM

### NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

**Dear User,**  
**Institution name : VELALARCOLLEGE OF ENGINEERING AND TECHNOLOGY**

**Your AQAR of the year (2023-2024) has been approved successfully.**

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## YEARLY STATUS REPORT - 2023-2024

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. M. JAYARAMAN
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04242244201
• Alternate phone No.	04242244202
• Mobile No. (Principal)	9750924402
• Registered e-mail ID (Principal)	principal@velalarengg.ac.in
• Address	Thindal, Erode
• City/Town	Erode
• State/UT	Tamil Nadu
• Pin Code	638012
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	27/05/2016
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr. R. KUMARAVELAN</b>				
• Phone No.	<b>04242244201</b>				
• Mobile No:	<b>9443563481</b>				
• IQAC e-mail ID	<b>iqacvcet@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://velalarengg.ac.in//pdf/naac/AQAR%202022%20-%202023.pdf">https://velalarengg.ac.in//pdf/naac/AQAR%202022%20-%202023.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://velalarengg.ac.in/pdf/academic%20calender%202023-24.pdf">https://velalarengg.ac.in/pdf/academic%20calender%202023-24.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.11</b>	<b>2014</b>	<b>10/12/2014</b>	<b>31/12/2021</b>
<b>Cycle 2</b>	<b>A+</b>	<b>3.33</b>	<b>2022</b>	<b>19/07/2022</b>	<b>18/07/2027</b>
<b>6.Date of Establishment of IQAC</b>			<b>18/11/2013</b>		
<b>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.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY	12B	UGC	20/06/2022	0
VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY	2F	UGC	30/01/2015	0

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

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
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### 9. No. of IQAC meetings held during the year

4

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	

### 10. Did IQAC receive funding from any funding agency to support its activities during the year?

No

<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
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### 11. Significant contributions made by IQAC during the current year (maximum five bullets)

Six departments viz., Department of Biomedical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Technology and Mechanical Engineering have been accredited by NBA under Tier - I (Washington Accord)

Promotion of learning through online courses through SWAYAM NPTEL and FOSSEE. Activities through Swayam NPTEL local chapter - 70 Gold medals, 213 silver medals, 37 course toppers and 616 Elite certifications with NPTEL Discipline star by our college faculties Dr.V.Latha Jothi, Professor/CSE and Dr. K. T. Kalaiselvi, ASP/MBA.

Faculty members have published 61 papers in Scopus/Web of Science/UGC Care Journals, 65 Patents, 12 Copyrights, presented 124 papers in National and International Conferences and authored 30 books

79 Value Added Courses have been conducted for the students for the academic year 2023 - 24.

Six students and two faculty members of Electronics and Communication Engineering Department won FIRST prize worth Rs.!,00,000 in the Grand Finale of Smart India Hackathon (SIH) at Lovely Professional University, Punjab in December 2023.

**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
Increase in the in-take for the academic year 2024-2025.	Approval got from AICTE with an increased intake from 120 to 180 for B.E. Computer Science and Engineering department and from 60 to 120 for B.Tech. Artificial Intelligence & Data Science department for the Academic Year 2024-25
Encourage Faculty members and Students to participate in international level events	Good number of faculty members participated through online
Encourage Faculty members to apply for research grants	187 proposals worth Rs. 7,55,61,853 was submitted to various agencies for research grants
Ensuring 40% of students to be placed in core companies	545 students to get placed in companies like Span Technologies, Kaar Technologies, ITC Infotech, Renault Nissan, Zuci Systems, Vinsinfo, Data Patterns, Suresoft Systems,

	Relaince Retail, Accenture, Zifo RnD Solutions, Coapps Development Solutions Pvt Ltd, Sutherland, Omega Healthcare, Muthoot Fin Corp, Indure, KVB Bank, [24]7.ai, Mitsuba, Levivaan, Aaraa Energy, VPG Sensors, KIML, Tech Mahindra BPO, etc., (43% placements in core)
To establish a Centre of Excellence in Networking and Software Development	Purchased 15 units of I7 systems, Oculus devices, and other equipment worth Rs.24,89,800 to establish an advanced Computer Graphics and Virtual Reality laboratory. As a result, 26 students from various departments were awarded NASSCOM certification.
To obtain atleast FOUR-STAR rating by Institution's Innovation Council by Innovation Cell, Ministry of Education, Govt. of India	Obtained THREE STAR rating for the year 2022-23 and waiting for improved ranking for 2023-24.
Improving Entrepreneurship and Innovation Eco system at the campus (To have at least ONE start-ups per dept. @ VCET)	As of now, there are FIFTEEN start-ups by VCET Students.
Deputing faculty members to the nearby Industries to improve Consultancy activities	Around 10 faculty members has been deputed to nearby Industries to improve Consultancy activities
<b>13.Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
Management, Governing Council, IQAC	20/05/2024

<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• Year</li> </ul>	
Year	Date of Submission
2022-2023	26/03/2024
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>The college adopts a multidisciplinary education approach, allowing students to explore diverse courses across various disciplines. Starting from the fifth semester, students are required to select open elective courses from those offered by any B.E./B.Tech. program other than their own. Additionally, students may take interdisciplinary one-credit courses. Value-Added Courses offered by other departments align with students' interests, and if students earn three or more credits, they may be exempt from one elective course. This multidisciplinary knowledge empowers students to showcase their ideas in project presentations and participate in initiatives like the Smart India Hackathons. Students are also encouraged to pursue internships and industrial training, further supporting multidisciplinary learning. Faculty members are encouraged to publish interdisciplinary research in journals, present at conferences, and file patents. Efforts such as attending NEP 2020-related seminars, benchmarking multidisciplinary courses with other institutions, and adhering to affiliating university guidelines are actively underway.</p>	
<b>16. Academic bank of credits (ABC):</b>	
<p>The Academic Bank of Credit (ABC), introduced in NEP 2020, aims to increase flexibility for students in course selection and credit accumulation. It provides a reference for faculty to verify student credits, and the institution has conducted a feasibility study to align its practices with ABC regulations. This includes organizing course credit details, establishing clear evaluation processes, and identifying eligible courses, both online and offline, including national initiatives like NPTEL and SWAYAM. The institution is currently assessing the challenges of implementing ABC and exploring ways to guide students in selecting industry-aligned courses, fostering "industry-ready" graduates. Although not yet registered with the ABC system, each B.E./B.Tech. department is revising its curriculum to meet international standards and ensure flexibility in</p>	

credit transfer. Elective courses are offered to allow students to choose subjects based on their interests, and the institution is considering partnerships with foreign universities for joint programs, twinning arrangements, and credit transfer options to enhance educational quality and support internationalization. As an autonomous institution, Velalar College of Engineering and Technology regularly updates its curriculum to prepare students for careers in industry and advanced studies. Faculty members have the autonomy to design syllabi, reviewed by statutory bodies, and employ innovative teaching strategies that encourage active learning. Alongside regular classroom instruction, faculty provide online and offline resources, developing additional content to address learning gaps, including digital materials, instructional guides, and tutorial resources. The college also uses an ERP-based student management system where all student information, such as internal assessments, attendance, and exam data, is recorded and synchronized with the student portal for seamless access. This infrastructure will support the smooth adoption of the ABC system once implemented.

#### **17.Skill development:**

The College is committed to nurturing students' technical and life skills, essential for their professional growth. This goal is achieved through focused, goal-oriented classroom training that enhances students' employability prospects. Velalar College of Engineering and Technology (VCET) also have an English Literary Association that supports students, particularly those from rural areas, in improving their communication skills. This association organizes year-round activities aimed at enhancing English proficiency, making language learning engaging and accessible. The VCET Toastmasters' Club further strengthens students' public speaking and leadership abilities, key for successful campus placements. Through an internal network of clubs, the Toastmasters' International Club helps students from various backgrounds become confident communicators and leaders. These clubs provide a supportive environment for self-improvement, instilling skills applicable to both professional and personal contexts. VCET also hosts an Entrepreneurship Development Cell, which fosters an entrepreneurial mindset through seminars, workshops, industrial visits, and interactions with successful entrepreneurs. These initiatives equip students with managerial and entrepreneurial skills aligned with current market trends. The cell's programs inspire students to consider entrepreneurship as a viable career path. In alignment with AICTE guidelines and to preserve cultural heritage, the College has introduced mandatory courses such as "Heritage of Tamil," "Tamil and Technology," and "Indian



Constitution and Traditional Knowledge." These courses are taught in the regional language and provide students with standard textbooks on Indian heritage and the Constitution. Additionally, the Fine Arts Club organizes regular competitions in Tamil, addressing themes such as environmental conservation and cultural values. VCET also requires a course on "Universal Human Values," which prepares students with essential life skills by exploring core values and principles vital to engineering and technology fields. Another key component of VCET's curriculum is a mini-project in the sixth semester, offering students hands-on experience to demonstrate their skills and creativity. To further enhance career readiness, the college offers courses in Professional Communication, Aptitude and Logical Reasoning, Arithmetic, and Analytical Ability, along with a Communication Skills Lab to strengthen students' practical language skills. Together, these initiatives ensure that VCET students are equipped with the academic and interpersonal competencies necessary for success in their careers and communities. VCET has an Institution's Innovation Council (IIC) dedicated to fostering a culture of innovation on campus through a variety of initiatives that build a robust innovation ecosystem. The IIC conducts various innovation and entrepreneurship-related activities prescribed by the Central MIC in a timely manner. It organizes workshops, seminars, and interactions with entrepreneurs, investors, and professionals, while also creating a mentor network to support student innovators. Additionally, the IIC networks with peer institutions and national entrepreneurship organizations, establishes an Institution's Innovation Portal to showcase innovative projects by faculty and students, and hosts events like hackathons, idea competitions, and mini-challenges in collaboration with industry partners.

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

Cultural awareness and expression are essential in developing competencies in today's youth. Velalar College of Engineering and Technology has undertaken significant initiatives to provide students with a strong sense of identity and an appreciation for diverse cultures. As part of this effort, VCET offers the Indian Constitution and Traditional Knowledge course as a mandatory component, equipping students with fundamental knowledge of the Indian Constitution and traditional Indian knowledge. This course increases students' awareness of Indian polity and governance, emphasizing their responsibilities and the importance of upholding constitutional rights. The college fosters integrity and unity among different cultures through various cultural events organized by the Fine Arts Club. Additionally, elocution and essay competitions, held

in both English and regional languages, are organized periodically to uncover and nurture students' hidden talents. Traditional and Cultural Days are celebrated with a genuine sense of purpose and enthusiasm, strengthening cultural connections and appreciation.

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

Recognizing the importance of accreditation, particularly in alignment with the Washington Accord, the college has integrated Outcome-Based Education (OBE) into its curriculum, syllabi, and evaluation processes. OBE has been implemented across all stages of the teaching-learning process in all undergraduate and postgraduate programs. In line with the Graduate Attributes, Program Educational Objectives (PEOs), and Program Outcomes (POs) outlined in the National Board of Accreditation (NBA) documents, specific indicators have been developed and shared with stakeholders. The PEOs are designed to address factors such as preparation, core competence, multidisciplinary knowledge, professional environment, and the learning environment, all aligned with the institute's Vision and Mission as well as those of individual departments. POs and Program Specific Outcomes (PSOs) are mapped to PEOs, and course outcomes (COs) have been defined for all courses, specifying their correlation strength with various POs. At VCET, PEOs and COs are communicated to students through multiple channels: syllabi with POs and COs are available on the college website; curriculum and syllabus books containing POs, PEOs, and COs are provided in the library for reference; POs and PEOs are prominently displayed in department areas, including classrooms and laboratories; and COs are included in course delivery plans, lab manuals, and course files for the respective courses. Faculty members receive guidelines for framing COs using Bloom's Taxonomy through orientation programs organized by the Internal Quality Assurance Cell (IQAC). In the evaluation process, which includes continuous assessment and semester examinations, students' performance in each course is mapped to the POs, and subsequently, the PEOs are assessed. A 360° feedback mechanism is employed to continuously monitor and achieve Outcome-Based Education. Various committees at both the college and department levels regularly assess the attainment of these outcomes every semester, maintaining documentation to support peer-level evaluation.

#### **20.Distance education/online education:**

There has been a noticeable shift in teaching and learning methods worldwide, moving from traditional classroom instruction to a blend of classroom and online learning. This change is reflected in the global popularity of online education, including MOOCs. India is

adapting to this new paradigm, and we actively encourage our students and faculty to register and participate in exams through platforms like SWAYAM-NPTEL. Within our autonomous system, we have secured the necessary approvals to introduce the Credit Transfer Scheme, allowing credits earned from SWAYAM-NPTEL to replace elective courses. Each semester, the chairperson reviews and approves a list of eligible courses, ensuring that students register for options aligned with their curriculum. Online courses have enabled students to fulfill credit requirements by their 7th and 8th semesters. This flexibility allows them to pursue full-time internships in relevant industries, providing an excellent opportunity to acquire industry-specific skills and enhance career prospects. VCET leverages various Information Communication Technology (ICT) tools to support effective teaching. Faculty members make efficient use of ICT tools to enrich the teaching and learning experience. Classrooms are equipped with LCD projectors, computers, and internet connectivity to improve lecture delivery, communication, and assessments. Additionally, department labs are equipped with desktop computers, printers, and essential resources, all supported by a 500 Mbps Wi-Fi network across the campus. Well-equipped smart classrooms and interactive boards facilitate effective presentations and video-based learning. Laboratories, classrooms, seminar halls, conference halls, and hostels have Wi-Fi access, providing students with e-resources and opportunities to update their skills. Our automated digital library, complete with personal computers and an Online Public Access Catalog (OPAC), allows easy access to resources. Language labs, equipped with headsets and webcams, support online classes, audio and video recording, and e-learning resources on platforms like YouTube and social media. Study materials, assignments, activities, and assessments are shared through Google Classroom and Google Forms. The institution provides access to e-resources, including IEEE Explore, DELNET, e-Shodh Sindhu, the National Digital Library of India, and NPTEL. In our new Design Thinking-Based Curriculum framework, we encourage blended learning. The college also has an in-house content development facility that faculty use to create video lectures, which are posted on YouTube for the benefit of students.

## **Extended Profile**

### **1. Programme**

1.1 21

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 2.Student

2.1 3403

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 829

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 3370

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 3.Academic

3.1 405

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 197

Number of full-time teachers during the year:

## Extended Profile

### 1. Programme

1.1 21

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2. Student

2.1 3403

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 829

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 3370

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

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3. Academic

3.1 405

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	197
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	197
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	665
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	72
Total number of Classrooms and Seminar halls	
4.3	1301
Total number of computers on campus for academic purposes	
4.4	217.54
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.

#### Curriculum Design and Development:

The curriculum at institute is formulated with involvement of various stakeholders, including parents, academic and industry professionals, students and alumni, all of whom share a commitment to the institution's mission. The design process integrates feedback obtained from comprehensive evaluation of potential

improvements, industry demands, optimal employability, innovation, research, and enhancement of entrepreneurial skills among students. Since 2016, the Choice Based Credit System has been adapted to feature an outcome-based curriculum that encompasses the necessary curricular elements to address the challenges of contemporary society. The Programme Educational Objectives (PEOs), Programme Outcomes (POs), and Program Specific Outcomes (PSOs) are developed in alignment with Graduate Attributes (GA) as recommended by the NBA and other professional organizations. A robust curriculum is provided to students, ensuring compliance with the requirements set forth by governing authorities such as AICTE, UGC, NBA, and Anna University.

#### National/Global Relevance:

The curriculum shall provide a set of industry-integrated courses, collaboration with various esteemed corporations, NPTEL courses, internships, and value-added courses. Lifelong learning is enabled through integration of NPTEL, SWAYAM courses and ICT tool integration into teaching, learning and assessment. EEC will emphasize developing student employability in the local, national, and international environment.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://velalarengg.ac.in/governing/insight_cd.php">https://velalarengg.ac.in/governing/insight_cd.php</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

256

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

## 1.2 - Academic Flexibility

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

333

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 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



In pursuit of nurturing competent individuals, our institution is focused on refining values-driven educational model. This commitment not only supports the future of students but also contributes to the welfare of society, emphasizing the necessity of interdisciplinary approaches and teamwork in education.

**Professional Ethics:**

The curriculum incorporates professional standards of conduct. To cultivate ethical and managerial skills in engineering, courses like "Professional Ethics," designed to reinforce moral integrity in the workplace while offering new perspectives on interpersonal relationships and values.

**Human Values:**

Awareness of physical health, mental well-being, personal virtues, societal virtues, morals, and human values are being imparted. Promoting these aspects of education can contribute to the holistic development of students and their understanding of important life principles.

**Gender:**

The promotion of gender equity in both recruitment practices and the assignment of responsibilities is a constructive measure towards establishing a more inclusive and just educational setting. This approach cultivates a sense of equality and justice among students while encouraging gender diversity across multiple facets of campus life.

**Environment and sustainability:**

The inclusion of topics ecosystem, biodiversity, pollution, environmental protection laws, natural resources, population, and human health in the course reflects a commitment to environmental awareness and sustainability.

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

79

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

5436

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1485

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is

A. All 4 of the above

**obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://velalarengg.ac.in/feedback/curriculum_feedback.php">https://velalarengg.ac.in/feedback/curriculum_feedback.php</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

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

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://velalarengg.ac.in/feedback/curriculum_feedback.php">https://velalarengg.ac.in/feedback/curriculum_feedback.php</a>
Any additional information	<a href="#">View File</a>

## **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**

**971**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### **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)**

**556**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 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.

### LEARNING LEVEL ASSESSMENT:

The college provides an induction program for first-year students to know about the college environment, facilities, academic and administrative regulations, and procedures. The institution periodically assesses the student performance through Continuous Assessment Tests, assignments, end-semester examinations and constant mentoring of students by their faculty mentors. Based on this, the advanced learners and the slow learners are identified.

### PROGRAMS FOR ADVANCED LEARNERS

- VCET provides a Fastrack system for the advanced learners to complete their curriculum in advance and allow them for an industrial internship in their final semester.
- Students are encouraged to take up SWAYAM - NPTEL courses. The credits earned in these courses are transferred to the final grade statement.
- Technically strong students are trained and motivated to participate in All India Level Competitions like Smart India Hackathon, etc.
- Advanced level learners are awarded proficiency winners as per their skills and knowledge.

### PROGRAMS FOR SLOW LEARNERS

- Student mentoring system is in practice to resolve the difficulties slow learners face both academically and personally.
- Remedial classes and Remedial Tests are scheduled and conducted periodically to improve the academic performance of the slow learners.
- English refresher course is organized to enhance students' English proficiency.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/ftasl.php">https://velalarengg.ac.in/ftasl.php</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2023	3403	197

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

Velalar College of Engineering and Technology has effectively applied student-centric learning to gain Outcome-Based Education (OBE) through experimental, participative, and problem-solving methodologies.

#### Experimental Learning

- Value Added Courses of one credit are organized to upgrade the knowledge of students.
- Project work, mini-projects, project exhibitions are conducted to help students to bring their ideas into a working prototype.
- Fast track students are allowed to attend an internship program in their final semester in collaboration with Industry-Institute Partnership Cell to bridge the knowledge level of the students from academic to real-time industrial requirements.
- Students are motivated to attend inplant training.

#### Participative Learning

- Students are encouraged to participate in co-curricular and extracurricular activities conducted by intraand inter-college events.

- Students utilize modern digital learning resources like NDLI and spoken tutorial to enhance their learning experience.
- Institute organizes various clubs like fine arts, Rotaract, National Service Scheme (NSS), National Cadet Corps (NCC), Women empowerment club, etc., to apply moral and ethical principles in the society.

#### Problem-solving methodologies

- Problem-solving ability of the students is inherited by giving high order knowledge level assignments and activity-based learning.
- Problem-solving ideas are induced by innovative teaching practices like mind mapping, brainstorming, project-based learning, flipped classroom and case approach etc

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://velalarengg.ac.in/ft_tlp.php">https://velalarengg.ac.in/ft_tlp.php</a>

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

The faculty members in the institution are using Information and Communication Technology (ICT) tools very effectively to enhance the teaching learning process among the students by creating interest in live concepts.

Well-equipped smart classroom and interactive boards helps the faculty and students to present PPTs and Videos effectively. Smart classroom facilitate the students to actively participate in the lecture sessions.

Laboratories, classrooms, Seminar halls, Conference Rooms, Auditoriums, and Hostels are enabled with WiFi internet facility with a bandwidth of 500Mbps which gives space for students to learn from e-resources and update their skills. Utilisation of online Software resources improve the student Software skills.

Automated Digital Library with personal computers and Online Public Access Catalog system makes easy access for students and faculty members.

Computer system laboratories with individual headsets and webcams help handle online classes and record quality audio and video to update as an e-learning resource in Youtube channels and college websites. Study materials, assignments, activities, and assessments are conducted through classrooms, Google forms (online quiz, polls, and surveys).

The Institution has access to e-resources namely IEEE explore, DELNET, e-ShodhSindhu, National Digital Library of India, ShodhGanga, Swayam -NPTEL.

Faculties have their BlogSpot, Google sites, and YouTube channel for their course, and students can access them and interact with other learners outside the institution. Management and Faculties utilise ERP Software to store and manage the data regarding daily attendance, lesson plan, mark entry, payroll etc

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://velalarengg.ac.in/dept_econtent/bm_e_econtents.php">https://velalarengg.ac.in/dept_econtent/bm_e_econtents.php</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

176

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

An Academic Calendar is prepared every semester prior to the commencement of classes by a committee comprising of the Principal and the COE and circulated to all the departments. The academic calendar is prepared considering the regulations of the corresponding program regarding the number of working days, the

number of assessments to be conducted for both theory and laboratory courses. The calendar specifies the commencement date for each programme. Usually the entire semester period is divided into three parts such that at the end of each part (approximately 30-40 days) assessment tests are conducted. The calendar specifies the periods for the three Continuous Assessment Tests, the last instructional day and the slot for conducting the end semester practical and theory examinations. The reopening date for the next semester is also mentioned.

Teaching plans are prepared by the individual faculty before starting of the classes and get approved by the HOD. It is ensured in the plan that The complete syllabus of a course is covered in that semester. HOD ensures that the faculty adheres to the academic calendar and teaching plan by reviewing the Attendance and Assessment Record of a course at the end of every month

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

197

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

65



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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1708

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

17.8

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

199

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

The examination process in the VCET autonomous system is an automated one and it is integrated with a software application called Examination Management System. EMS software is integrated with various modules for generating exam hall allotment, students seating arrangement, invigilation duty list, absentees list and dummy number generation. The Continuous Assessment (CA) exam for each theory course carries 40 marks. For theory courses, 3 written tests are conducted for the duration of 1 hour 30 minutes and each carrying 50 marks. The marks obtained from the CA exams are added and averaged to a scale of 30 marks. Three assignments are evaluated and averaged to a scale of 5. The course faculty conducts an additional assessment evaluated for 5 marks which may be a quiz, an activity etc. All of them are summed for a total of 40 marks. Semester examination for each theory exam is conducted for 100 marks and it is converted to a scale of 60 which is considered as the external mark. The internal mark out of 40 and the external mark out of 60 are summed up for 100 marks. After approval, the semester exam results are posted on the college website which enable the students to know their results online. The Grade Statements are also generated by the Examination Management System software in a predetermined format.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/pdf/coe/Downloads/VCET%20Examination%20Manual.pdf">https://velalarengg.ac.in/pdf/coe/Downloads/VCET%20Examination%20Manual.pdf</a>

## 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

In compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the program after consultation with faculty members and the stakeholders.

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level at the end of program. The programme co-ordinators prepare the PSOs in consultation with course coordinators.

Program Outcomes (POs) are broad statements to describe the professional accomplishments by the program and these are to be attained by the students at the time of their program completion. POs incorporate many areas of inter-related knowledge and skills that are to be acquired by the students during their graduation.

Course Outcomes (COs) are direct statements to describe the essential disciplinary knowledge, abilities that students should possess during the completion of a course. The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. Outcomes are communicated to the students, faculty members, alumni, parents and employers by publishing in College website, displaying in Department display boards, HoD cabin, Class rooms, Laboratories.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://velalarengg.ac.in/academic_curriculum.php">https://velalarengg.ac.in/academic_curriculum.php</a>

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

Each subject has Course outcomes (COs). These COs can be mapped with POs & PSOs based on Intended Learning Outcomes and Performance Indicators given by AICTE Examination Reforms.

Each courses COs can be assessed using Direct assessment tools that reflect the knowledge and skills of the students based on their performance in End semester Examination, Continuous Assessment Test, Assignments, Tutorials, Concept Test, Rubrics

based on performance etc. This assessment is taken for the attainment of individual Course Outcomes (COs)

For R2018, Overall CO attainment is calculated as

- Overall attainment of COs (Theory) =  $0.4 \times \text{CA attainment} + 0.6 \times \text{SE attainment}$
- Overall attainment of COs (Practical & Project) =  $0.6 \times \text{CA attainment} + 0.4 \times \text{SE attainment}$

Once the overall attainment of each COs is calculated, the PO and PSO attainment is obtained. The obtained values are compared with the set attainment target fixed for each PO and PSO. If the target is achieved, the same process is continued for further batches. If the target is not achieved, continuous improvement activities are taken for each PO and PSO.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/governing/insight_co&amp;po.php">https://velalarengg.ac.in/governing/insight_co&amp;po.php</a>

### 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

813

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://velalarengg.ac.in/pdf/coe/VCET%20COE%20Report%202023%20-%202024.pdf">https://velalarengg.ac.in/pdf/coe/VCET%20COE%20Report%202023%20-%202024.pdf</a>

### 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://velalarengg.ac.in/sf/c2/agar2324/2.7\\_SSS\\_2023-2024.pdf](https://velalarengg.ac.in/sf/c2/agar2324/2.7_SSS_2023-2024.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

To promote innovation and breakthroughs in science, engineering, and technology, the institution has developed a robust research policy. This policy encourages interdisciplinary research, which enhances experiential learning and strengthens the academic foundation by engaging both students and faculty. These efforts contribute to the realization of the college's overarching vision and objectives. Research plays a pivotal role in advancing faculty expertise, which in turn enriches the academic curriculum and strengthens the institution's global competitiveness. The college's research policy is publicly available on its website, ensuring transparency. Research proposals undergo a comprehensive review process, starting with evaluations by committees focused on research and development (R&D) and research ethics. Distinguished experts from the R&D advisory board may further assess the proposals. Once reviewed, the proposals are submitted to relevant funding organizations.

The institution supports research through state-of-the-art laboratories and six specialized research departments offering doctoral programs in various disciplines. Laboratories are frequently upgraded to maintain cutting-edge facilities, and licensed software is employed to enhance research capabilities. In addition, the institution fosters transdisciplinary research collaborations with industries and hospitals, creating an ecosystem that supports innovative research and development.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://velalarengg.ac.in/research_Policy.php">https://velalarengg.ac.in/research_Policy.php</a>
Any additional information	<a href="#">View File</a>

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

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

0.5

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

32

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>3.2 - Resource Mobilization for Research</b>	
<b>3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)</b>	
4.05115	
File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>3.2.2 - Number of teachers having research projects during the year</b>	
12	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/research_projects.php">https://velalarengg.ac.in/research_projects.php</a>
List of research projects during the year	<a href="#">View File</a>
<b>3.2.3 - Number of teachers recognised as research guides</b>	
30	
File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>
<b>3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year</b>	
6	

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.tanscst.tn.gov.in/student-projects-scheme/">https://www.tanscst.tn.gov.in/student-projects-scheme/</a>
Any additional information	<a href="#">View File</a>

### 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.

Entrepreneurship Development Cell (EDC) -EDC organizes seminars, workshops, training sessions, industrial visits, mentoring events, motivational sessions, Ideation camps and Boot Camps regularly for the benefit of students . These sessions are handled by experienced entrepreneurs, industry experts, and renowned alumni. They are giving valuable insights and sharing practical knowledge. EDC and IIC have jointly organized 75 programmes for enriching the knowledge of students on entrepreneurship and innovation practices.

Recognized Research Centers - The VCET has recognized the departments of ECE, EEE, Physics, Mechanical Engineering, Mathematics and Bio-Medical Engineering as research centers. The faculty members are encouraged and supported in their efforts to direct research.

Encouraging students to participate in Club Activities - The VCET Green club is active on campus. The institution has formed several committees to inculcate environmental education among student community through schemes such as NSS, YRC, and RRC.

Institution's Innovation Council - IIC promotes skill development and creativity through competitions, hackathons, and business idea contests. The students are encouraged to participate in Smart India Hackathon 2023, PALS InnoWAH, EDII-TN Ideathons, Kavach 2023, etc. In Smart India Hackathon 2023 Grand Finale, a team from VCET won prize of Rs. 1,00,000/- held on 21-23.12.2023 at Lovely Professional University, Punjab.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/research_centres.php">https://velalarengg.ac.in/research_centres.php</a>

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

82

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

18

File Description	Documents
URL to the research page on HEI website	<a href="https://velalarengg.ac.in/research_obj.php">https://velalarengg.ac.in/research_obj.php</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

54

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

41

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/sf/c3/23-24/3.4.4.pdf">https://velalarengg.ac.in/sf/c3/23-24/3.4.4.pdf</a>

### 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

1872

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

**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**

27

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.7264

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0

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

### 3.6 - Extension Activities

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

Velalar College of Engineering and Technology with its vision and mission emphasizes social values to groom the students as socially responsible members of the society. To achieve the same, the College mandates the students to enrol in any one of extension programmes under Part V of the curriculum like NCC, NSS, YRC, ROTARACT, Green Club, keeping with their disposition to any one of these service units. Under the guidance of Rotaract Club, students donate around 400 units of blood every year. Rare blood groups are identified and donated on emergency. NSS organizes special camps for seven days to understand and analyse the rural life with its dynamics, and serve the village communities. NSS volunteers of VCET organized one week "Special Camp" at Erode Panchayat Union Middle School, Koorapalayam from 05.03.2024 to 11.03.2024.

The club members and faculty coordinators of Rotaract Club, NSS and NCC secured 60+ awards and recognition for the outreach programmes conducted by the clubs. All the extension programmes of the College, thus, provide experiential learning to the students, which in turn help the communities to gain social, economic and environmental returns..

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/club/ncc.php">https://velalarengg.ac.in/club/ncc.php</a>

### 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

63

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

108

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1449

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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

240

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

10

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

## 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, Drawing Halls and Seminar Halls

The institution has totally 66 classrooms with LCD projectors connected with Wi-Fi. Four Drawing Halls are available based on the requirements of the curriculum.

Institution has two Seminar halls and three Conference halls for conducting Department/ Institute level programs such as association activities and programs related to the professional bodies of the department.

#### Computing facilities

Each Department has well-equipped laboratories over and above the mandatory requirements AICTE. There are totally 53 laboratories in the campus. Totally 1301 computer systems are connected to internet through a leased line with dedicated high-speed internet

connectivity (bandwidth) of 500 Mbps.

### Central Library

The Central library was established in the year 2001. In 2008 when the library was shifted to its main building. The library spreads over an area of 1197.86 Sq.m. All Books are classified according to D.D.C Scheme. Seating capacity of the library is 300. It Provides Online Public Access Catalogue (OPAC) service to its users.

### Digital Library

It has 32 terminals with head phones and mikes are available in the Digital Library section with Internet access facility to facilitate access to the DELNET, NPTEL, e-books and IEEE ASPP online resources.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/campus/infra_physical.php">https://velalarengg.ac.in/campus/infra_physical.php</a>

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

### Cultural Activities

Our institution is committed to the holistic development of students with the support of Fine Arts Club activities to keep the creative spark alive. To exhibit students' unique talents, Fine Arts Club, Viscom Club is available in the Institution.

### Yoga and Meditation Hall

In L Block the Institution has a separate Yoga Centre with an area of 230.97 Sq.m. Every year as a part of the curriculum Value Education Classes were conducted for the first year students for about 18 hours.

### Indoor Facilities & Outdoor Facilities

The Department of Physical Education facilitates the following

Games as indoor games for the benefit of students, such as Table tennis, Chess and Carrom. The total area of the playground is 3.75 acres which includes athletic fields and track, Basket Ball, Cricket, Football, Volley ball, Badminton, Ball Badminton, Kabaddi, Kho-Kho.

#### Gym & Other Facilities

Gym is another central facility which is functioning in the college premise. The built up area of the institution is 56572 sq.m with a sprawling over 25.61 acres of land. The college has 1 Gents Hostel, 1 Ladies Hostels, 2 Food Courts, Students' Amenity Centre. Vellalar Trust hospital with 1 ambulance is used for emergency purpose.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/campus/campus_cultural.php">https://velalarengg.ac.in/campus/campus_cultural.php</a>

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

72

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

68.61



File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

#### Library is automated using Integrated Library Management System (ILMS)

The central library is fully computerized, well equipped with modern facilities, resources in the form of books, printed and electronic journals, CD-ROMs, on-line databases, project reports, etc. Open Access System is being followed to access the books and journals.

Name of the ILMS software: Noolagam - The Smart Librarian

Nature of Automation: Full Version: 2.1.09 Year of automation: 2001

Currently, it has been changed to CAMPES iLIB(Computerized Academic Management Processing and Expert System Information Library) Integrated Library Management System (from 2003).

Name of the ILMS software: CAMPES iLIB

Nature of Automation: Full

Version: 7.0.2

#### FEATURES OF SOFTWARE:

1. Member Management (Students and Staff)
2. Circulation
3. Book Stock master
4. Non-Book Materials entries

5. Back Volume Entries
6. Periodical/Magazine and Journals maintenance
7. Subscription entries
8. Failed Magazine Observation
9. Reservation Management
10. Overdue Charge management
11. Reports production
12. Image clipping management
13. User rights management to apply security in library activity by librarian
14. Stock Verification Process
15. Failed Hits Observation from OPAC in book purchase
16. Book purchase bill Management
17. Final Year Due Clearance
18. Data designed as data ware house manner. i.e no data are deleted.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/lib_intro.php">https://velalarengg.ac.in/lib_intro.php</a>

**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	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

26.64

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

#### 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

907

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 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

##### No. of Systems and their Configuration

Institution has a total of 1301 computers with the following configuration: i3 / i5/ i7 Processor , 4GB / 8GB RAM, 500 GB / 1 TB Hard Disk, 3.41 GHz Processor clock speed and above CPU Speed.

##### Internet Connection

Internet connection is distributed across the college through Wi-Fi networks. The institute regularly upgrades the internet connection every year. The campus is enabled with 24x7 Wi-Fi, 1024 Mbps bandwidth connectivity. The Wi-Fi system has been functioning with 1024 Mbps (1:1) leased line connectivity provided by Wireline Solution Private Limited.

#### Networking Peripherals

VCET uses fibre optical networking cable with a speed of 100 / 1000 MBPS media converters and layer 2 switches like CISCO SG 500 / 350 / 300.

#### LCD Projectors

Upgrading of IT is seen in teaching learning process as OHPs in the institute have been intermittently replaced by LCD projector with smart boards in all class rooms.

#### Firewall / Security

VCET uses firewall service from MIKROTIK CLOUD CORE ROUTER CCR1036 and have lifetime validity.

#### Surveillance Facilities

There is a 24/7 CCTV surveillance security available in the institution. Through this security system, the faculty members and students have been secured from unwanted grievances.

All the faculty members, students, technical staff and other workers of our institution are responsible for exercising appropriate use of information and network resources in accordance with the policies and standards.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/campus_internet.php">https://velalarengg.ac.in/campus_internet.php</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
<b>3403</b>	<b>1301</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus</b>	<b>A. 50 Mbps</b>
File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
<b>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</b>	<b>A. All four of the above</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/dept_econtent/contents%2023-24.php">https://velalarengg.ac.in/dept_econtent/contents%2023-24.php</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)</b>	
<b>148.93</b>	

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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.

#### Library Maintenance:

Staff and students visit the library to use the books; the visitor's information is kept on file in the E-Gateregister on a daily basis.

A book transactions register is kept in the library for the issue and return of books.

#### Laboratory Maintenance:

Stock register is kept separately for consumables and non-consumables register.

#### Classroom Maintenance:

For electrical faults in fan/tube lights, the student representative will notify the Class advisor

#### Maintenance of Audio Visual Equipments:

The LCD projectors are tested for proper operation and brightness.

The speaker line and speakers are verified for correct terminal connections and earth connections.

#### TRANSPORT SECTION

##### College vehicle maintenance:

The engine oil and filters are changed every 10,000 kilometres.

Insurance, road tax, and fitness certificate are all renewed.

##### During FC Work:

The steering linkages and power steering oil have been replaced

The emission certificate is renewed every six months.

#### Maintenance of CCTV surveillance camera:

The major equipment, such as NVRs and cameras, will be maintained and monitored on a daily basis.

#### Maintenance of Networking & Intranet:

Every day, system administrators will do regular maintenance using the Mikrotik access point monitoring capability; additionally, CISCO switches are maintained by technical in-charges.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.velalarengg.ac.in/sf/c4/23-24/Maintenance Photos of Physical Facilities.pdf">https://www.velalarengg.ac.in/sf/c4/23-24/Maintenance Photos of Physical Facilities.pdf</a>

## 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

1808

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

1578

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<a href="https://velalarengg.ac.in/plmt_capacitydevelopment.php">https://velalarengg.ac.in/plmt_capacitydevelopment.php</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</b>	
<b>955</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>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'</b>	<b>A. All of the above</b>



**grievances Timely redressal of grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2 - Student Progression**
**5.2.1 - Number of outgoing students who got placement during the year**

572

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

29

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

21

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

12

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**Student Council:** Our technical institution has formed the student committees to involve the students in various activities viz. department association, student clubs, NCC, NSS, RRC, Green club etc. In every department, students acted as secretary, joint secretary, treasurer and executive members in the department association. The student secretary gives every year plan during the association inaugural address which includes arrangement of experts, intra-department events, industrial visits etc. The alumni who become entrepreneurs also visit the college to present the new findings in their respective industry where they gained experiences.

**Academic committee:** In every department, student's representatives present their grievances on behalf of all the students regarding the completion of syllabus before each test during class committee meetings, submitted to the principal through the Heads/Dean. Based on the weightage, the principal has redressed the students. The feedback about the teaching/learning process submitted by every student confidentially and evaluated separately and action taken by the competent authority, if not performed well.

**Administrative committee:** Student's representatives also involved

in anti- ragging and sexual harassment activities and have the mechanism viz. suggestion box, website, and contact mobile number etc. to report confidentially to the higher authorities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/club/ncc.php">https://velalarengg.ac.in/club/ncc.php</a>

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

10

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 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

Velalar College of Engineering and Technology, one of the best-known self-financing, co- educational institutions aims to achieve excellence in engineering education, with a strong emphasis on the uplift of rural students who have only limited avenues for higher education. The college was established by Vellalar Educational Trust in the year 2001, with all in-built infrastructural facilities. It offers excellent quality education in such a manner as to empower the students to face any challenging environment after they graduate from the portals of the college. The institution offers nine undergraduate B.E programmes and one B.Tech programme, Post graduate in MBA, and M.E programmes. The alumni were employed in state and central government, Public Sector Units, private limited companies in India and foreign countries.

Velalar College of Engineering and Technology Alumni Association has been registered under the Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975) on November 7, 2022.

The association chapters were inaugurated exclusively to connect our alumni in metropolitan cities viz., Chennai, Bangalore and Coimbatore. Our alumnus acted as a resource person in various department activities to enrich their knowledge. Alumni provide the chances to their services to get training and placement. The alumni's induction programmes were organized every year in our institution. The recent and old alumni participated. Our alumni contributed the funds to their association chapter.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/alumni/alumni_activities_(2016-2021).php">https://velalarengg.ac.in/alumni/alumni_activities_(2016-2021).php</a>

**5.4.2 - Alumni's financial contribution during the year**

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

#### Governing Council (GC)

Governance of VCET being a self-financing autonomous institution, it follows Autonomous guidelines as per the UGC from the Academic Year 2016-17 onwards. The GC is fully democratic, decentralized and transparent. It promotes participation out of all stakeholders for smooth operation of the Institution. The GC through the Principal ensures that all decisions on the matters including admission, budget, infrastructure, Teaching-Learning Process and placements are in line with Institute's Vision, Mission and Quality Policy properly reach the stakeholders and ensure proper implementation of the same. Effective leadership fosters decision-making transparency and accountability at all levels. This builds stakeholder trust and institutional integrity.

Head of the Institution

The Principal oversees academic and administrative activities, Faculty, department heads, IQAC, and the Board of Studies collaborate to make decisions and improve efficiency. Senior academics attend capability-building programmes to boost administration. Several committees track the institute's progress towards its goal and mission while following quality policy. This encourages faculty collaboration and ensures the programming supports the college's entrepreneurial objective.

#### Internal Quality Assurance Cell

Through IQAC, the GC monitors quality activities. Audits, awareness workshops, student feedback, student surveys, and faculty and staff training help the IQAC ensure the quality of all institute activities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/about.php">https://velalarengg.ac.in/about.php</a>

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

#### Decentralisation:

Good governance helps institutions grow and thrive, according to VCET. This effort aims to decentralise government and assign tasks to senior officials and department heads. This goal fosters accessibility and participatory management. Management gave administrative and academic power to the Principal and academic heads as part of governance. Decentralisation provides decision-making and funding. Decentralisation affects engineering education planning, policy, and management.

#### Participative Management:

The Governing Council (GC) improves institution performance. GC chairman and members actively promote institute expansion. After consulting stakeholders, all institutional decisions and policies are in the institution's best interest. Top-down leadership from the GC motivated stakeholders and grew the institute. The college website posts governing body, committee, and academic activity minutes. Faculty receive information through meetings and

circulars. All relevant parties need clear roles, responsibilities, and authority for academic success. The college organisation chart shows administrator levels, authority, and structure.

#### Research Centre Recognition

The research centrer recognition has been approved for the Department of Mathematics, Physics, and Biomedical Engineering in the academic year 2023-24.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.velalarengg.ac.in/abt_non%20st atutory%20bodies.php">https://www.velalarengg.ac.in/abt_non%20st atutory%20bodies.php</a>

## 6.2 - Strategy Development and Deployment

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

**Vision and Direction:** The strategic plan provides a clear vision for the institution's future. Effective leadership articulates this vision in a way that inspires and motivates all stakeholders, including employees, students, and partners. It serves as a guiding light, aligning efforts toward a common goal.

**Goal Setting:** The strategic plan outlines specific goals and objectives that need to be achieved. Effective leaders ensure that these goals are well-defined, measurable, and achievable. This clarity helps everyone understand what is expected and how they can contribute to the plan's success.

**Participation in National Level Project Competition:** The objective of participating in a hackathon is to foster innovation, enhance problem-solving skills, and collaborate with diverse teams to develop creative solutions for real-world challenges. It provides a platform to explore new technologies, network with professionals, and gain hands-on experience in a competitive yet learning-oriented environment, promoting professional growth and impactful contributions. Eight teams were awarded in various

**hackathons in the academic year 2023-24.**

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.velalarengg.ac.in/abt_sbc.php">https://www.velalarengg.ac.in/abt_sbc.php</a>
Upload any additional information	<a href="#">View File</a>

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.

**Organizational Chart**

VCET has a well-structured organizational structure which clearly shows the people responsible for various tasks and the levels of supervision. The Governing Council of the college meets once in a year.

**Statutory and Non-Statutory Committees**

In addition to the governing body there are several statutory and other committees are in place to administer various activities related to academic, administrative and extension. Thus the governance of the college is more participatory and led by the governing body. This ensures holistic growth and development of the student stakeholders. Societal impact and responsibility are given prime importance by the Institute so as to contribute and promote sustainable socio-economic development through globally competitiveness.

**Administrative setup****Functions****Statutory Committees**

Policy making, Recruitments, Budgeting, Financial matters, Quality Improvement

**Non-Statutory Committees**

Planning Evaluation, Academic, Placement, Student centric activities, Co-curricular and extra-curricular activities

**Department Advisory Board**

- Suggest improvement in academic plans and recommend standard practices/systems for attainment of PEOs &
- Encourage for industry-institute interactions to bridge up curriculum/industry gap and suggest quality improvement initiatives to enhance employability.
- To propose necessary action plan for skill development of students
- To identify and suggest thrust areas to conduct various activities to meet PEOs.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.velalarengg.ac.in/naac/vcetorg.php">https://www.velalarengg.ac.in/naac/vcetorg.php</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.velalarengg.ac.in/naac/hrpolic_ybook.php">https://www.velalarengg.ac.in/naac/hrpolic_ybook.php</a>

**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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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 Schemes**

The college in general takes care of its employees well. There are



several welfare measures in place for the teaching and non-teaching staff. The college encourages a worthwhile welfare schemes to all the teaching and non-teaching staff to boost the morale of the employees and thus make them motivated to work efficiently. Some of the welfare measures the institute provide to its employees include Promotion and increments based on self-appraisal, cash awards and certificate of appreciation for academic excellence, incentives for publication of research articles, supporting faculty members to organize guest lectures, supporting faculty members to conduct/organize conference/FDPs. Institute sponsors the faculty members to join as a member in professional society. All the employees are provided free transport and hostel facility/ fee concession for their daily commuting to the college.

#### Health Insurance

All the employees are covered under medical insurance facility up to a sum of Rs. 1 lakh towards accidental and health insurance per annum. The institution also provides the facility of Employee Provident Fund for its employees. The colleges also provides various leave benefits to all the employees such as casual Leave, Compensation Leave, special leave, medical leave, and maternity leave to all employees.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/sf/c6/22-23/incentive_policy.pdf">https://velalarengg.ac.in/sf/c6/22-23/incentive_policy.pdf</a>

#### 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

58

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**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.)**

160

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

Financial planning and management is the foresight of the institution in strategizes its growth and development activities. The institution conducts regular internal audits by the authorized and recognized auditors. All the expenditures incurred by the college is maintained by the college accounts department and duly submitted to the government from time to time.

**Financial Committee**

The finance committee of the institute reviews the financial planning periodically. The institute is registered under section 12A of the Income Tax Act. The finance committee acts as an advisory body to Governing Council (GC) on matters of finances connected to the college. The third party qualified auditors

prepare the institute level budget for every assessment year and present it to the Governing Council for further proceedings. The annual budget for institute is prepared and proposed at the beginning of financial year, for recurring and non-recurring potential income and expenditures involved for the year.

#### Financial Audit

Qualified and certified internal auditors appointed do the audit on regular basis. As an act of transparency, the audited financial statements are published on the college website and also sent to the statutory and regulatory bodies.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.velalarengg.ac.in/audit/audit23-24.php">https://www.velalarengg.ac.in/audit/audit23-24.php</a>

#### 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)

0

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

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

The institute has a defined financial structure that ensures efficient and effective use of funds for academic, administrative, and developmental activities that support its vision and mission.

#### Utilization of Funds

The college implements academic and non-academic reforms within their self-conceived development programs that focus on quality and relevance, excellence, resource mobilization, greater

institutional autonomy with accountability, research and equity. The receipts primarily generated through the fees paid by the students joining in the programmes offered by the college. Any deficit in the receipts would be managed by seeking funds from the parent trust or borrowed from the banks. Another form of receipts is obtained grants received through faculty projects submitted to the funding agencies through Research proposals. These funds are utilized for the research and laboratory development.

#### Mobilisation of Funds

The institutional budget is prepared by the Principal and the Administrative Manager every year taking into consideration of recurring and nonrecurring expenditures. Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. All the major financial decisions are taken by the Institute's Governing Council. Wherever funds are inadequate, the management borrows loans to meet out the expenditure. Despite of this, the college management never compromised on providing high quality engineering education with an affordable cost to the students as per the directions of the state government.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.velalarengg.ac.in/audit/audit23-24.php">https://www.velalarengg.ac.in/audit/audit23-24.php</a>

### 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)

#### **IQAC**

The primary goal of IQAC is to create a system for taking deliberate, consistent, and catalytic action to improve the institution's academic and administrative performance. The main goal is to promote measures that will improve institutional performance by internalizing a quality culture and institutionalizing best practices.

### Post Accreditation Improvements

The following are the achievement/academic improvements wherein the IQAC put its stamp of quality practice:

- The Institute got NAAC accreditation with A+ Grade for the second cycle.
- The Mechanical programme got NBA accreditation under TIER I for the period from 2023-24 to 2025-26.

### Teaching -Learning

Student learning is assessed through Continuous Assessment Tests and an End of Semester Examination administered during their direct and indirect assessment tools. Quality checks are deployed at every stage of student learning to not only measure them but also improve them continuously. In order to maintain the quality standards, every process is thoroughly monitored through a wide-range of testing tools, audits, surveys, and feedback channels through the college quality cell. IQAC played a key role in initiating the necessary measures to meet the desired objectives and to foster effective and efficient educational practices.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/naac/meeting%20minutes%202022-2023.php">https://velalarengg.ac.in/naac/meeting%20minutes%202022-2023.php</a>

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

### Committees for Quality Improvement

The institution monitors and periodically reviews its teaching-learning processes and methodologies/practices through various operations and expected outcomes. This process was monitored on continual basis by Institutional Quality Assurance (IQAC) through Programme Assessment Committee (PAC) and Department Advisory Board (DAB). In addition, the IQAC also initiates necessary steps to measure the quality of education through regular and continuous follow-up actions.

### Identification of Slow Learners and Fast learners

After CAT 1, the students are divided into two categories, Category-I (fast learners) and Category II (slow learners). For enhancing the academic performance, remedial coaching for the slow learning students and project-based alternate assessment for the fast learning students is being carried-out. This helps the students to upgrade their knowledge levels. At the end of the semester, the students undergo the End semester Examination which results in awarding the SGPA based on their performance in each examination.

#### Innovative Methodologies in TLP

For continuous assessment and evaluation, activity-based learning is encouraged for all courses. Several activity based learning methods are adopted by the faculty members. Mind mapping, polling in video conference tools, conducting quizzes in various mobile applications, conducting experiments in VLab, and peer instructions are followed as a part of their teaching.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://velalarengg.ac.in/naac/e_contents.php">https://velalarengg.ac.in/naac/e_contents.php</a>

**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	<a href="https://velalarengg.ac.in/sf/c6/23-24/Annual_Day_Report.pdf">https://velalarengg.ac.in/sf/c6/23-24/Annual_Day_Report.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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

Velalar College of Engineering and Technology has committed itself to the standard of gender fairness.

#### Curricular, Co-Curricular and Extra-Curricular Activities:

The Institution provides platform for women empowerment.

Programs and workshops with a specific focus on empowering and promoting participation of female faculty, staffs and students are organized throughout the year.

#### Facilities on Campus

#### Safety and Security:

- 24 X 7 monitoring by security personnel.
- 160 CCTV Cameras are installed at strategic points in the campus.
- Separate and secured hostel is available for female students within the campus.
- Fire safety equipments are installed in all the laboratories and corridors.
- First-Aid Kit is available in all laboratories and college office.

#### Counselling:

- Individual counselling is offered through the mentor-mentee system which works in the ratio of 1:20.
- Separate counselling rooms are available in the college campus and in the hostel for male and female students.

**Common Room:**

- Conference Hall, Seminar Hall, Fitness Centre, Reading Room in Library, Common waiting room in rest rooms and common room in Hostel are available.

**Day-Care Centre:**

- Day-care centre is functioning for the children of faculty and staff members working in vellalar institutions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://velalarengg.ac.in/sf/c7/23-24/7.1.1%20,23-24%20(%20gender%20Equity%20and%20s%20ensitization%20).pdf">https://velalarengg.ac.in/sf/c7/23-24/7.1.1%20,23-24%20(%20gender%20Equity%20and%20s%20ensitization%20).pdf</a>

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Solid Waste Management**

- The waste generated within the campus is collected and segregated through dustbins kept at various sources and transported to disposal site.
- Wastes like papers, tin, glass, metals and plastic are given



for recycling to external agencies.

- Food waste is converted into Biogas and Composting pit is constructed to manage the biodegradable waste.
- Sanitary napkins are disposed using the incinerators.

#### Liquid Waste Management

- Liquid wastes from various points are collected through proper canals, and are disposed to sewage treatment plant without stagnation.
- RO waste water is used for cleaning vessels in the kitchen.

#### Bio-Medical Waste Management

- Microwave Tissue incinerator, Sharps and Needles destroyer and Autoclave are used to treat the biomedical waste.

#### E-waste Management

- E-wastes are collected and handed over to external agencies to recycle the materials.
- The awareness programs are organized in the institution with a view to impart the E-waste management techniques.

#### Waste Recycling System

- The fundamental principle of the institution in waste recycling system is the implementation of 3R's-Reduce, Reuse, and Recycle.

#### Hazardous chemicals and radioactive waste management

- Standard Operating Procedures are followed for disposal of hazardous chemicals collected from the laboratories.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<b>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>	<b>A. Any 4 or all of the above</b>								
<table border="1"> <thead> <tr> <th data-bbox="76 434 539 506">File Description</th> <th data-bbox="539 434 1445 506">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 506 539 607">Geotagged photographs / videos of the facilities</td> <td data-bbox="539 506 1445 607" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="76 607 539 678">Any other relevant information</td> <td data-bbox="539 607 1445 678" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Geotagged photographs / videos of the facilities	<a href="#">View File</a>	Any other relevant information	<a href="#">View File</a>			
File Description	Documents								
Geotagged photographs / videos of the facilities	<a href="#">View File</a>								
Any other relevant information	<a href="#">View File</a>								
<b>7.1.5 - Green campus initiatives include</b>									
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ol>	<b>A. Any 4 or All of the above</b>								
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Geotagged photos / videos of the facilities	<a href="#">View File</a>								
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>								
Any other relevant documents	<a href="#">View File</a>								
<b>7.1.6 - Quality audits on environment and energy undertaken by the institution</b>									
<b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> </ol>	<b>A. Any 4 or all of the above</b>								

### 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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).

**Everyone has freedom to express their own opinions and is given equal opportunity to participate in teaching, learning, work and social activities. People of all cultural orientations work in harmony that is safe from abuse, harassment, or unfair criticism.**

The institute provides a culturally inclusive environment with mutual respect, effective relationships, and clear communication.

The institution has NCC, NSS, Roataract Club, Youth Red Cross and Red Ribbon Club to inculcate a sense of unity, discipline and harmony. The institution believes in equality of all cultures and traditions as it is evident from the fact that the students belonging to different castes, religions and regions are educated in the college without any discrimination. Students feel safe and secure at the institute.

Anti-ragging cell acts as a key factor in maintaining tolerance and harmony among students. The Rotaract Club, Fine arts club and NSS organize cultural shows and various competitions and celebrate Traditional day. Commemorative days like Women's day, Teachers' day, Engineers' Day, Yoga day, national festivals are also celebrated in the college. All this establishes positive interaction among people of different racial and cultural backgrounds.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

Organ donation awareness programme was organized by VCET on 11.08.2023 for the students. A foundation course on Yoga and meditation was arranged for the students to strengthen them physically and mentally. To emphasize non-violence, truth, and peace Gandhi jayanti was celebrated on October 2nd. "Being Savvy" awareness programme for girl students in observance of International girl Child Day was arranged on 11.10.2023. The National unity day was observed on 31.10.2023 and pledge was taken. To enhance the civic responsibility of the students Voters' ID awareness programme was conducted on 22.11.2023. An event "Planting of saplings" was carried out on 06.12.2023 to nurture our environment. VCET holds a heartfelt gesture, in extending a helping hand to those affected by floods on 22.12.2023 and 04.01.2024. A blood donation camp on 28.12.2023 with 157 donors for the noble cause of saving lives. Mr.S.Jawahar IPS, S.P, ignited inspiration among the students regarding the

responsibility of a citizen on 10.01.2024 in accordance with Youth day celebration. VCET Rotract club successfully hosted mega Eye camp on 03.03.2024 at Mottayappar School. Students of VCET participated in the Election awareness walkathon on 06.04.2024. VCET organized an event "One day farming" on 28.04.2024 to enhance environmental sustainability.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Velalar College of Engineering and Technology regularly celebrates National and International Commemorative days, events and festivals. The following are the events conducted regularly:**

- Kamarajar Birthday
- Independence Day
- Teachers' Day
- Engineers' Day
- Onam Celebrations
- National Post day
- International Girl Child Day
- National Unity Day
- Christmas Celebrations
- National Youth Day
- Pongal Celebrations
- Republic Day
- Women's Day

In the academic year 2023-2024, the Institute celebrated the above events and festivals through various clubs with wide participation from the students and faculty members. Competitions and rallies were held during these events to create awareness among the students and public. For the benefit of faculty members, awards were presented on Teachers' Day for special performance and research-oriented initiatives. General Health Check-up and Medical Camp were organized to ensure the fitness of the students, faculty members and scavengers. The institute provides a societal friendly environment by encouraging the students to visit orphanages and help the needful people during the national memorial days. To ensure the cultural heritage, festivals like Pongal, Onam, Christmas etc. were celebrated inside the college premises.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

**BEST PRACTICE- I - INSTITUTION'S INNOVATION COUNCIL (IIC) AND ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)**

Website Link: [https://www.velalarengg.ac.in/naac/best\\_practice-I.php](https://www.velalarengg.ac.in/naac/best_practice-I.php)

**BEST PRACTICE - II - MENTOR-MENTEE**

Website Link:

[https://www.velalarengg.ac.in/naac/best\\_practice-I.php](https://www.velalarengg.ac.in/naac/best_practice-I.php)

File Description	Documents
Best practices in the Institutional website	<a href="https://www.velalarengg.ac.in/naac/best_practice-I.php">https://www.velalarengg.ac.in/naac/best_practice-I.php</a>
Any other relevant information	<a href="https://velalarengg.ac.in/sf/c7/23-24/7.2.1%20index.pdf">https://velalarengg.ac.in/sf/c7/23-24/7.2.1%20index.pdf</a>

### 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)

#### **EMPOWERMENT THROUGH EDUCATION FOR BETTER PLACEMENT**

Our institution provides quality and affordable higher education to the rural community students with a clear focus on Academics, Placement and Research and Development continuously.

During the Academic year 2023-2024, VCET offers 10 UG programmes and 5 PG programmes. Through NPTEL Local Chapter, 1274 students and 93 faculty members were awarded certificates. VCET has signed Memorandum of Understanding (MoUs) with more than 90 industries. Research, Innovation and Placement are the key success for the development of Educational Institutions. Out of 556 students 402 were placed and 581 of our students got offers in reputed multinational companies. 65 patents were published and 6 copyrights were copyrighted, 7 consultancy activities were carried out, 7 programmes were funded by various funding agencies, 158 proposals were sent by the faculty members to various funding agencies and 54 papers were published in Indexed Journals.

Students from Electronics and Communication Engineering won one lakh cash prize in Smart India Hackathon held at Lovely Professional University, Punjab during December 19th - 23rd, 2023.

1479 students got benefited by scholarships to the tune of Rs. 3.16 crores offered by the Institution. Various Clubs like NSS, YRC, RRC, NCC, Rotaract Club, Women Empowerment Cell, English Literary Association and Electoral Literacy Club are functioning as a part of societal awareness.

File Description	Documents
Appropriate link in the institutional website	<a href="https://velalarengg.ac.in/naac/ins_distinct2023-24.php">https://velalarengg.ac.in/naac/ins_distinct2023-24.php</a>
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

1. To apply and secure the Top 300 Ranking band in NIRF Innovation Ranking
2. Encourage Faculty members and Students to participate in the international level events.
3. Encourage Faculty members to apply for research grants
4. To identify and work on a Major Thrust Area by the team of Faculty members in all the departments
5. Deputing faculty members to the nearby Industries to improve Consultancy activities.
6. To establish at least FIVE Industries to start their development centres in the campus and to help our students by offering placements, training and Internships.
7. To establish laboratories in emerging Technologies supported by Industries.