YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution 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

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy)   27/05/2016

- Type of Institution   Co-education

- Location   Urban

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Dr.R.KUMARAVELAN**

- Phone No.   **04242244201**

- Mobile No: **9443563481**

- IQAC e-mail ID   **rkumaravelan@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://velalarengg.ac.in/naac/aqar2021.php

4.Was the Academic Calendar prepared for that year?   **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://velalarengg.ac.in/pdf/calender%2021-22.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	**A+**	**3.33**	**2022**	**19/07/2022**	**18/07/2027**

6.Date of Establishment of IQAC   **18/11/2013**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Velalar College of Engineering and Technology	**12 B**	**UGC**	**20/06/2022**	**0**

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI   View File

9.No. of IQAC meetings held during the year   4

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?   **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?   **No**

- If yes, mention the amount

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

Promotion of learning through online courses through SWAYAM NPTEL and FOSSEE. Activities through Swayam NPTEL local chapter - 5 Gold medals, 51 silver medals, 11 course toppers and 195 Elite certifications with NPTEL Domain star in Programming domain by our faculty Dr.V.Latha Jothi

Collection of Feedback from our stakeholders using Web based Portal Kredo-Voice Out

Obtained 12(B) status from UGC & ISO certification and Best Campus Award from Nature Science Foundation

Faculty members has published 55 papers in Scopus/Web of Science/UGC Care Journals, 21 Patents, presented 154 papers in National and International Conferences and authored 7 books

34 Value Added Courses has been conducted for the students for the academic year 2021-22

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
Submission of SSR and accreditation of the institution with A+ grade	Self Study Report submitted to NAAC on 31.12.2021. NAAC peer team visited the campus on 14.07.2022 and the institution was accredited with A+ grade upto 18.07.2027 with a CGPA of 3,33.
Introduction of new programmes - B.Tech. (Artificial Intelligence & Data Science) & M.E. Biomedical Engineering	Approval got from AICTE with an intake of 60 for B.Tech. Artificial Intelligence & Data Science and for ME Biomedical Engineering with an intake of 18 for the Academic Year 2022-23
Industry oriented Curriculum and syllabi with more focus on employability and Innovation (R 2022)	Introduced 5-10% of courses as Industry Oriented courses. R2022 Curriculum was revised with possible flexibility by introducing more courses on employability and Innovation
Improving placement with high average salary packages	84.86 % placement with average salary of 4 Lakhs per annum
Strengthening Entrepreneurship and Innovation Eco system at the campus (To have at least 3 start-ups @ VCET)	6 Start-ups are functioning from January 2022
To obtain l2(B) status from UGC	Obtained 12(B) status from UGC on 20.06.2022
NBA Accreditation under Tier - I	Applied for FIVE programmes. NBA peer team visited the campus on 25.11.2022. All the Programmes got Accreditation for Three years from 2022-23 to 2024-25
To create research culture among faculty members and students and motivate them to publish their research work in Scopus / Web of Science indexed Journals	A marginal improvement is found in number of publications in Scopus / Web of Science indexed Journals (No. of papers published in 2020 - 21 is 44, in 2019 - 20 it was 40)
More enrollment and completion	Enrolled : Faculty - 97,

of Swayam NPTEL online courses	Students – 2680 Registered : Faculty - 12, Students – 724 Successfully Completed : 214 with 5 Gold medals, 51 Silver medals, 11 Course Toppers, NPTEL Domain Star : 1 (Programming Domain) (Dr.V.Latha Jothi, Professor / CSE)

13.Was the AQAR placed before the statutory body?   **Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Management, IQAC	23/05/2022

14.Was the institutional data submitted to AISHE ?   **Yes**

- Year

Part A

Data of the Institution

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Management, IQAC	**23/05/2022**

14.Was the institutional data submitted to AISHE ?	**Yes**

- Year

Year	Date of Submission
2021-2022	**26/12/2022**

15.Multidisciplinary / interdisciplinary

Multidisciplinary education is an academic andpedagogical approach to develop multiple capacitiesin the intellectual, aesthetic, social, physical,emotional, and moral domains, among the students inside and outside the classroom, by integrating formal and informal learning opportunities and teaching, research and community engagements and promoting cross-disciplinary and inter-disciplinary perspectives and academic practice. Multidisciplinary Approach is a method of curriculum integration that highlights the diverse perspectives in different disciplines. It brings concepts to illustrate a theme, subject or issues together. The college follows Design thinking based Multidisciplinary curriculum, where multiple disciplines are used to study the same topic. The college adopts Multidisciplinary Education which is a unique Educational Approach that allows the students to learn & explore distinct courses from various disciplines or curriculum. A student has to choose Open Elective courses from the open electives offered by any BE / B.Techprogramme other than his own programme from fifth semester onwards. A student was permitted to take up one credit Value Added Courses offered by other departments based on their interest. If the total credit thus earned is three or more, then one elective course may be exempted for that student. Other activities like Project Presentation and competitions are inter-disciplinary in nature. Hackathon, Internship and Industrial

Training are interdisciplinary in nature in VCET. Journal Publication,Conference Presentations Patent publications are also interdisciplinary. Various steps have been taken including attending seminars and conferences related to NEP 2020, identifying benchmarks from various institutions for multi-disciplinary courses and closely following the norms and regulations of the affiliating university

16.Academic bank of credits (ABC):

As per the UGC Notification on University Grants Commission Notification (28th July, 2021)"Academic Bank Account" means an individual account with the Academic Bank of Credits opened and operated by a student, to which all academic credits earned by the Student from course(s) of study are deposited, recognised, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree / diploma / certificates etc. by an awarding institution. Academic Bank of Credits shallbe established, on the lines of the National Academic Depository shall have a dynamic website providing all details of Academic Bank of Credits and its operational mechanism for the use of all stakeholders of higher education. Academic Bank of Credits is essentially a credit-based, and highly flexible, student centric facility. Our institution has been in the process of getting approval to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and university authorities. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL,V-Lab etc. or of any specified university, shall also be considered for credit transfer and credit accumulation

17.Skill development:

The College is committed to shape the young mindsthrough development of Technical Skills and Life Skills towards their professional development. The collegeachieves the enhancement augments and theprospects of employability by conducting intensivegoal-oriented classroom training.Velalar College of Engineering and Technology has English Literary Association which aims to support the learning and enjoyment of English later turned out to be a centre for year round activities for the improvement of communication skill of students especially for those who come from rural background. VCET Toastmasters' Club aims to support the campus placement and teaches public speaking and leadership skills through an internal network of clubs.Toastmasters'International club has helped students from diverse backgrounds to become more confident speakers,

communicators and leaders. These clubs used to educate students through the process of self-improvement, organizing skills, in a friendly environment and to build their confidence and language skills in business, professional and community life.

The college also has Entrepreneurship Development Cell for the benefit of the students to conduct various awareness programmes such as Seminars, Workshops, Industrial Visits and Interaction with young Entrepreneurs etc. These programmes are aimed at making the student community more enthusiastic towards entrepreneurial activity. This cell helps the students to acquire necessary managerial skills to run an enterprise effectively and to generate entrepreneurship skills among the students to cope up with the current trends in the market.

To bring back the glory of the ancestral values and knowledge and a line with AICTE, guidelines the institution has introduced a mandatory course on 'Indian Constitution and Traditional Knowledge' for all the UG students. To augment the lectures in the class room, standard text books on Indian Constitution and Cultural heritage of India have been given to the students. Through the efforts of Fine Arts Club, competitions are being regularly conducted in the regional language viz Tamil on the contemporary topics on environment, energy conservation, etc., as well as topics on the cultural and ethnic values of India.

Universal Human Values is another mandatory course that helps students to acquire a life skill necessary for all students of Engineering and Technology that aims to identify the values and skills, and to realize the need, basic guidelines, content and process of value education.

VCET offers Professional Communication, Aptitude and Logical Reasoning, Arithmetic and Analytical Ability as mandatory courses for all students to develop their skill sets. VCET also offers Communication Skills Lab course to improve their practical knowledge.

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

Cultural awareness and expressions are the major important competencies to be developed in youth today. In order to provide students with a sense ofidentity and appreciation of several

cultures Velalar College of Engineering and Technology has taken appropriate initiatives. VCET offers Indian Constitution and Traditional Knowledge course as mandatory course to provide basic information on Indian Constitution and Indian Traditional knowledge. Students become aware of Indian polity and governance and also reminds them about their obligation, adherence and up keeping of Constitutional rights.

Integrity and Unity among different culture is encouraged by celebrating various cultural events under Fine Arts Club. Elocution and essay competitions both in English and regional language are conducted periodically to identify the inner talent of students, The Traditional and Cultural Days are celebrated with real sense and spirit

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

Realizing the importance of Accreditation vis-à-vis Washington Accord, the college introduced the OBE concepts in its curriculum, Syllabi and evaluation.Five out of eight UG programmes (namely B.E- Bio-Medical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and B.Tech. Information Technology) got accredited by NBA. In this process, the OBE has been implemented in all stages of Teaching-Learning Process. In line with the Graduate Attributes, PEOs and POs referred in the NBA documents; markers have been developed and disseminated to the stakeholders. The PEOs have been established considering the factors such as Preparation, Core Competence, Multi-disciplinary, Professional Environment, Learning Environment. These are aligned with institute Vision andMission and Departments' Vision and Mission. POs and PSOs have been mapped with PEOs. Course outcomes have been defined for all the courses and the correlation strength with various POs have also been specified.

In VCET the PO's and CO's are disseminated to the students by the following methods:

- Syllabus with PO's and CO's are displayed on the college website.
- Curriculum and Syllabus book with POs, PEOs and COs are made available in the library for reference.
- POs and PEOs are displayed at prominent places in the department including classrooms and laboratories.
- COs are included in course delivery plan, lab manuals and course files in the respective courses.

- The guidelines for framing of COs using Bloom's Taxonomy are given to faculty members through orientation programmes organized by IQAC.

In the evaluation process (ContinuousAssessment and Semester Examination), the performance of the students in each course are linked to the POs and there after the PEOs and attainment is evaluated. The loop is closed on 360° feedback mechanism to continuously monitor and achieve the Outcome Based Education. Various committees in the College and Department level, keep assessing the attainment every semester. Documentary evidences are maintained so as to have a peer level evaluation

20.Distance education/online education:

There is a perceptible change in the modes of theTeaching-Learning all over the world and there is asignificant shift from all class room teaching andLearning to partly classroom partly online Teaching-Learning. This is exhibited in the world wide popularity of Online education like MOOCs, etc.India is also keeping abreast in this new paradigm. We encourage our students and faculty to register and write examinations under SWAYAM-NPTEL for several years. Under our autonomous system, necessary approvals have been obtained to includethe Credit Transfer Scheme to our students. Thus, the credits earned from SWAYAM-NPTEL are considered as replacements of elective courses. The list of such courses, are approved by the chair person before the beginning of the semester so that students register for those courses which are relevant for that particular curriculum and not repetitive/duplicative innature. The online courses have also enabled the students to complete the credit requirements by the 7th semester and in 8th semesters. Students can takeup full time internship in suitable industries. This doubly benefits the students to acquire skills required by the industry and also a favorable career opportunity.

VCET uses a variety of Information Communication Technology (ICT) enabled tools to support effective pedagogy. All faculty members use ICT tools very effectively to enhance the teaching learning process. All Classrooms are equipped with LCD Projection Systems, computer and internet connectivity etc. These facilities enhance lecture delivery, effective communication and in-class assessments. All department labs are equipped with desktop computers, printers and all necessary resources such as 500 MBPS Wi-Fi connectivity throughout the campus. Well-equipped smart classroom and interactive boards help faculty and students to

present PPTs and Videos effectively. Laboratories, classrooms, Seminar halls, Conference Halls and Hostels are enabled with Wi-Fi facility which gives space for students to learn from e-resources and update their skills. Automated Digital Library with personal computers and Online Public Access Catalogue system provides easy access for students and faculty members. Language laboratories are afforded with individual headsets and webcams. It helps to handle online classes, to record quality audio, video and also facilitates the access to e-learning resources in YouTube and social media. Study materials, assignments, activities, and assessments are shared through Google classrooms and Google forms. The Institution has access to e-resources namely IEEE explore, DELNET, e-Shodh Sindhu National Digital Library of India, NPTEL. In the new Design Thinking Based Curriculum framework, blended learning is encouraged among students. The college also has its in-house content development facility which is used by our faculty members to create video lectures which is posted in YouTube for the benefit of students

Extended Profile

1.Programme

1.1   **15**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **3086**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **775**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3   **3056**

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

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.Academic

3.1   **336**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2   **220**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	15
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	3086
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	775
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	3056
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	336
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	220

Number of full-time teachers during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.3

220

Number of sanctioned posts for the year:

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**618**
4.2 Total number of Classrooms and Seminar halls	**71**
4.3 Total number of computers on campus for academic purposes	**1191**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**472.23**

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 institution's curriculum is constituted employing input from all stakeholders, parents, academicexperts, industry experts, students, alumni, and it is integrated with the institution's mission. The points acquired following rigorous evaluation of the prospects for improvement, industry needs; adequate employability, innovation, research and development of entrepreneurial skills among thestudents are included in the

design process. Since 2016, Choice Based Credit System has been adapted with outcome based curriculum with the requisite curricular elements to confront the demands of the current global environment. The Graduate Attributes (GA) recommended by NBA and other professional organizations are used to frame the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Program Specific Outcomes (PSOs). Students are provided with a solid curriculum that takes into account the requirements of governing authorities including AICTE, UGC, NBA, Anna University, and the institution's autonomy restrictions.

National/Global Relevance:

Students are provided a study structure that ispertinent to both regional and global demands through industry-integrated courses, MoUs with leading corporations, NPTEL courses, internshipsandvalue-added courses, lifelong learning include NPTEL, SWAYAM courses , ICT tools for teaching, learning and assessment. The EEC component of the curriculum will assist the students in developing their employability on a national and international scale.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://velalarengg.ac.in/governing/insight_cd.php

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

11

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

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

261

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

1.2 - Academic Flexibility

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

60

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

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

12

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

1.3 - Curriculum Enrichment

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

Our institution continues to promote a system of education based on values to promote efficient individuals. The educational practices encourage interdisciplinary thinking, collaborative learning and make a significant commitment to their future and the welfare of humanity.

Professional Ethics:

Our institution underpins all professional codes of conduct in the curriculum. Courses such as "Professional Ethics", "Total Quality Management", etc., are instilled to inculcate management and ethical practices in engineering. Total Quality Management raises industry awareness of the necessity for ISO and QS certification. '"Professional Ethics" enforce morality in the workplace, giving human connections, values a newfound significance.

Human Values:

Awareness of physical health, bolstering life forces, mental wellbeing, personal virtues, societal virtues, morals, human values are imparted through courses like "Universal Human Values" and "Value Education for Youth Empowerment."

Gender:

Gender equity is being followed in recruitment of staff, batch allocation in laboratories, academic project team, cultural activities, sports, association activities, NCC, NSS, club activities. Office bearers of associations, class representatives – all these responsibilities are equally shared among boys and girls activities.

Environment and sustainability:

Ecosystem, biodiversity, pollution, environmental protection laws, natural resources, population, and human health are among the topics covered in the course "Environmental Science and Engineering."

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

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

34

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

1725

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

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

1375

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

1.4 - Feedback System

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

A. All 4 of the above

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

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://velalarengg.ac.in/feedback/curriculum_feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

807

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

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

500

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

2.2 - Catering to Student Diversity

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

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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/ftasl.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	3086	220

File Description	Documents
Upload any additional information	[View File](#)

2.3 - Teaching- Learning Process

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

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	[View File]()
Link for additional Information	https://velalarengg.ac.in/ft_tlp.php

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.
- 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.
- 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,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.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://velalarengg.ac.in/dept_econtent/bme_econtents.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

190

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

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

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	[View File](#)

2.4 - Teacher Profile and Quality

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

220

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

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

59

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

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

1642

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	[View File](#)
Any additional information	[View File](#)

2.5 - Evaluation Process and Reforms

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

26

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

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

47

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

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

The examination process in the VCET autonomous system is automated and integrated with an Examination Management System. The various modules for generating exam hall allotment, seating

pattern, invigilation list, absentees list, dummy number generation, are integrated in the software. The Continuous assessment (CA) for each theory course carries 40 marks. The continuous assessment for theory coursesconsist of 3 written tests - each testisconducted for 50 marks for the duration of 1 hour 30 minutes. The marks obtained out of these 50 marks are added and averaged toa scale of 30 marks. Three assignments are given which are evaluated and averaged for a scale of 5. The course faculty decides anadditional assessment which may be a quiz, an activity, etc. which is evaluated for 5 marks.All of them put together and the internal marks are calculatedfor 40 marks. Semester examination for theory courses is conducted for 100 marks andit is converted to a scale of 60. The internal and external marks scored by the students are summed upfor 100 marks. Oncethe results are approved, thatdata is posted in the college website which enablethe students toknow their results online. The Grade Statements are also prepared by the Exam Management System in a predetermined format.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/pdf/coe/Downloads/VCET%20Examination%20Manual.pdf

2.6 - Student Performance and Learning Outcomes

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

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)	[View File](#)
Upload any additional information	[View File](#)
Link for additional Information	https://velalarengg.ac.in/academic_curriculum.php

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*CA attainment + 0.6*SE attainment
- Overall attainment of COs (Practical & Project) = 0.6*CA attainment + 0.4*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	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/governing/insight_co&po.php

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

772

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://velalarengg.ac.in/pdf/coe/VCET%20COE%20Report%202021%20-%2022.pdf

2.7 - Student Satisfaction Survey

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

https://velalarengg.ac.in/sf/c2/aqar2122/2.7_SSS_2021-2022.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

As a reputed engineering institution, the institution has framed a robust research policy to promote research interest and

innovations in the emerging areas of science, engineering and technology. Students and faculties are motivated to undertake interdisciplinary research to promote experiential learning thereby building a strong academic foundation. This in turn leads to the realization of the vision and mission of the college. The research activities nourish the academic program by enriching the knowledge of faculties in their field of expertise. This in turn helps the institution to stand at the global level. The institute is equipped with well established laboratories to empower the faculties for research and development. There are research centres offering doctoral programmes in different disciplines. Laboratories are regularly upgraded to facilitate the research. Licensed software in the laboratory helps to promote the research to the next level. MoU's have been signed with the industries and hospitals to promote multidisciplinary research culture. The institution maintains a highly-stacked Library for research reference. The Institution has inked MoUs with industries for research.

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

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	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

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

13

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

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

0.375

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://velalarengg.ac.in/research_projects.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

22

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

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

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.nic.in/index.html
Any additional information	View File

3.3 - Innovation Ecosystem

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

Entrepreneurship Development Cell –The EDC of the College conducts various awareness programmes such as Seminars, Workshops, Industrial Visits and Interaction with industrialists. These programmes are aimed at making the student

community more enthusiastic towards entrepreneurial activity.Also, our students are encouraged by VCET's successful alumni entrepreneurs towards innovative business ideas.

Recognized research center- The departments of ECE, EEE, and Physics at VCET have been designated as research centre. Faculty members are encouraged and supported in their efforts to direct research. A large number of research scholars have enrolled in PhD programs, and the number is growing every year.

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 in students through the schemes such as NSS, YRC, and RRC.

Institution Innovation Council - IICwas established to systematically foster an innovation culture among students across various departments within the Institute. All students are encouraged to participate in the Smart India Hackathon (SIH) in order to improve their abilities and face challenges while developing innovative models. One VCET team won the prize money of Rupees One Lakh at the Smart India Hackathon 2022 Grand Finale.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/research_centres.php

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

37

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	[View File](#)

3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

7

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

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

33

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

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

10

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://velalarengg.ac.in/sf/c3/21-22/3.4/3.4.4_Books_Chapters.pdf

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

542

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

18

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

0.02

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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

EXTENSION ACTIVITIES AND ITS IMPACT

3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their

holistic development, and impact thereof during the last five years

VCET has prioritized students' overall development and societal demands by encouraging them to participate in several activities that address social issues. To encourage students to take part in community building activities, programmes like NCC, NSS, Youth Red Cross, Red Ribbon club, Rotaract club, and Green Club have been made an essential element of the curriculum.

National Service Scheme (NSS):

NSS volunteers gathered Special Camp at Panchayat Union Primary School, M.Puthupalayam

Unnat Bharat Abhiyan Scheme (UBA):

Five villages, Mullampatti, Seenapuram, Perode, Mettunasuvampalayam, and Ingur, have been adopted by VCET under UBA. For this programme, VCET has been given an amount of Rs. 50,000.

National Cadet Corps (NCC):

The NCC organizes camps for Plastic awareness, Tree plantation, and Annual training camp. In the 2021-22 people mark the Competitions like Inter Batalion, B- Certificate Exam, Debate &Drawing; and celebrations for Republic day, Earth day, Sports day, world cycle day.

Rotaract club:

The Rotaract club joins together the community programmes for planting saplings, providing food, sports events at government schools, blood donation camps etc.

Youth Red Cross (YRC), Red Ribbon Club (RRC) & Green Club:

YRC, RRC and Green club of VCET organizes various programmes in sports, Awareness for Cancer, COVID-19, Water, Cleanliness Tree plantation etc. and train students on the importance of the environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/club/rotaract.php

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

36

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	[View File](#)
Any additional information	[View File](#)

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)

50

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

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

1426

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/

student exchange/ internship/ on-the-job training/ project work

128

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	[View File](#)

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)

12

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Velalar College of Engineering and Technology has the state-of-theart facilities on almost all the aspects pertaining to teaching learning process.

The institution has totally 67classrooms with Wi-Fi connectivity. All the classrooms have LCD Projectors with smart boards. Each classroom has adequate seating capacity based on sanctioned intake. Four Drawing Halls are available based on the requirements of the curriculum. Our 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.

Each Department has well-equipped laboratory facilities over the

mandatory AICTE requirements. There are totally 49 laboratories in the campus. Central Library, with adequate number of titles and volumes of text and reference books, is available for students and faculty members. Each department also has its own Department Library for the benefit of students and staff.

Totally 1191computer systems, connected to internet through a leased line with a bandwidth of 500 Mbps are available. Wi-Fi facility has enabled to for ICT based teaching-learning process. Study materials and online video lectures for each subject are posted in the Google Classroom which would help the students in their learning.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/infra_physical.php

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

Velalar College of Engineering and Technology gives high importance to instil the spirit of sportsmanship among the students to help them to learn discipline, leadership quality, team work and to lead a healthy life. The institute has more than adequate infrastructurefor such activities.

Cultural Activity

Our institution is committed to the holistic development of students and our Fine Arts Club activities keep the creative spark alive. Creativity is an essential component of Engineering and our club nurtures the same.

Yoga and Meditation Hall

The Institution has a Yoga Centre with an area of 230.97 Sq.m. Every year as a part of the curriculum a one credit course of Value Education (Yoga classes) were conducted for the first year students (common to all branches) for about 18 hours.

Sports and Games Facilities

The Department of Physical Education facilitates the students with all the equipment in their practice and motivates them to participate in both the indoor and outdoor games and gym. The Institute has a play ground area of 3.75 acres which includes athletic fields and track, Basket Ball, Cricket, Football, Volley ball, Badminton, Ball Badminton, Kabaddi, Kho-Kho and Indoor game facilities.

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/campus_cultural.php

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

71

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

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

60.26

File Description	Documents
Upload audited utilization statements	[View File](#)
Details of Expenditure, excluding salary, during the years	[View File](#)
Any additional information	[View File](#)

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 beenchanged 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 bylibrarian

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 aredeleted

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/lib_intro.php

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

A. Any 4 or more of the above

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

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

15.70

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

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

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

862

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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 1191 computers with the following configuration: i3 / i5/ i7 Processor , 4GB / 8GB RAM, 500 GB / 1 TB HardDisk, 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, 500 Mbps bandwidth connectivity. The Wi-Fi system has been functioning with 500 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.

LCDProjectors

Upgradingof 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 CONTROL ROUTER 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus_internet.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3086	1191

File Description	Documents
Upload any additional information	[View File](#)

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

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: **A. All four of the above** Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://velalarengg.ac.in/dept_econtent/bme_econtents.php
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

93.11

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

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

VCET has the maintenance committee which is headed by the Dean. He monitors the Concern In charges / Supervisors who organize the workforce, maintain duty files. These details are periodically checked by the Concern In charges to ensure the efficiency / working condition of all equipment's.

Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non-teaching staff and sweepers.

- Site Engineer and their teams are involved in the maintenance of infrastructure facilities.
- The Estate office staff look after the maintenance of rest rooms, approach roads and neatness of the entire premises.
- Parking facilities inside the campus is neatly organized.
- Every department maintains a stock register for the available equipment.
- Proper inspection and verification of stock are done in the end of every year.
- Library books and records are audited by Internal Audit team every year.
- The campus maintenance is monitored through surveillance Cameras.
- Transport Department will take care of periodical check up of all the vehicle and properly follow the RTO office procedures.
- Lift maintenance are outsourced.
- Hostel facilities are maintained and monitored by the Admin. Officer/Hostel and Wardens of both the hostels.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/campus_maintenance.php

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

1696

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

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

1676

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

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

File Description	Documents
Link to Institutional website	https://velalarengg.ac.in/plmt_capacitydevelopment.php
Details of capability development and schemes	View File
Any additional information	View File

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

1433

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

496

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

5.2.2 - Number of outgoing students progressing to higher education

36

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

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

19

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

5.3 - Student Participation and Activities

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded

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 whichincludes arrangement of experts, intra-department events, industrial visits etc. The alumnus who become entrepreneurs also visits the collegeto 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 meeting, submitted to the principal through the Heads/Dean. Based on the weightage, the principal has redressed to 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/club/ncc.php

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

12

File Description	Documents
Report of the event	[View File](#)
List of sports and cultural events / competitions organised per year	[View File](#)
Upload any additional information	[View File](#)

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 seven undergraduate B.E programmes and one B.Tech programme, Post graduate in MBA, MCA and M.E programmes. The alumni were employed in state and central government, Public Sector Units, private limited companies in India and foreign countries. 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	[View File](#)
Paste link for additional Information	[https://velalarengg.ac.in/alumni/alumni_activities (2016-2021).php](#)

5.4.2 - Alumni's financial contribution during the year   **C. 5 Lakhs - 10 Lakhs**

File Description	Documents
Upload any additional information	[View File](#)

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Governing Council

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 Governing Council is fully democratic (participatory), 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 such as 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.

Institute Quality Assurance Cell (IQAC)

The GC also monitors the quality activities through the Institute Quality Assurance Cell (IQAC). The IQAC monitors quality of all activities of the institute by reviewing them periodically through conducting audits, awareness programmes, student feedback, student survey and training programmes for the faculty and staff.

Finance Committee

The prospective plans are implemented by Finance committee. It deals with the finance received from the various grants and amounts received from other sources for the overall development and maintenance of the college. The financial requirements were proposed and recommend in the regular meetings which are then forwarded by the Principal and management for final approval.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/index.php

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

Decentralization & Participative Management

VCET believes that excellent governance is essential to ensuring an efficient system for an institution's growth and development,

as well as improving its outcomes. Decentralization of governance and delegation of tasks to various senior officials and department heads are the goals of this initiative. This goal encourages accessibility and a participative management style of administration. While framing specific guidelines to strengthen the college's systematic functioning, the college includes all stakeholders. At the same time, decentralization should be viewed as a way to improve the quality and efficiency of the system. To manage and efficiently control the institute, numerous committees, both statutory and non-statutory, are in place.

Implementation of Value-added Course based on Decentralization

The Value Added Course (VAC) is recommended to the students to fill the gap between the industry expectation and Institutional procedure. In R2018, the VAC is approved and included in the curriculum. Totally 30 hours are allotted with 1 credit. The suitable VAC is selected based on the feedback received from the students, Class Committee, Alumni Interaction and Employment Opportunity. The selected VAC is recommended to the students and faculty is allotted. Based on the assessment, grade is allotted and certificate is provided.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/abt_non%20statutory%20bodies.php

6.2 - Strategy Development and Deployment

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

The college is having a practice of drafting the strategic plan before every academic starts. It is developed with the stakeholders, both internal and external participation. The strategic Plan is prepared for every academic year. One such successful plan is implemented in the Department of Electronics and Communication Engineering.

Implementation of MODROB based on Strategic/ Perspective plan

The proposal has been submitted under AICTE Modernization and Removal of Obsolescence (MODROB) scheme to upgrade Microwave and optical communication Laboratory in the year 2018-19. In the academic year 2018-19 AICTE was sanctioned an amount of Rs.14,20,000. AICTE has released an amount of Rs.11,36,000 as a first instalment. Initially, the request letter to purchase the above times has been raised from the Principal Coordinator through the stores officer. On 07.09.2019 the purchase order was released to Entuple Technologies Pvt Ltd, Bangalore to supply mentioned items in given duration. All the items in purchase order were completely received from suppliers on 15.10.2020. Management has contributed Rs.2, 69,170 to support the research activities. To get second instalment amount of Rs.2,84,000 from AICTE, Utilization Certificate and Progress Report have been sent on 18.09.2021.

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

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.

Institute Organogram

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, Academics, Placement, Student centric activities, Co-curricular and Extra-curricular activities, Industry Institute Partnership

Department Advisory Board

- Suggests improvement in academic plans and recommends standard practices/systems for attainment of PEOs &
- Encourage industry-institute interactions to bridge up curriculum/industry gap and suggests quality improvement initiatives to enhance employability.
- Redefine existing PEO's, aligning of PEO's to the mission statements and defining program specific outcomes.
- To propose necessary action plan for skill development of students, required for entrepreneurship development and quality improvement.
- To identify and suggest thrust areas to conduct various activities (final year projects, training courses and additional experiments) to meet PEOs.

File Description	Documents
Paste link to Organogram on the institution webpage	https://velalarengg.ac.in/naac/vcetorg.php
Upload any additional information	View File
Paste link for additional Information	https://velalarengg.ac.in/pdf/HR_Policy_Book.pdf

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

Welfare 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/sf/c6/6.3.1/Incentive_policy.pdf

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

52

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

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

4

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

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

71

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Financial planning and management is the foresight of the institution in strategizes its growthand 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	View File
Paste link for additional information	https://velalarengg.ac.in/audit/audit.php

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)

3.62

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

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

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	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/audit/audit.php

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 NBA accreditation period was extended for four UG programmes: B.E. - BME, CSE, ECE, EEE and B.Tech – IT for the period from 2020-21 to 2021-22.
- Institute have got A+grade in second cycle of NAAC Accreditation.

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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/iqac/iqac-members%202020-2022.php

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. The roles and responsibilities of the IQAC committee are the same as defined by the NAAC.

Identification of Slow Learners and Fast learners

After CAT1, the students are divided into two categories, Category-I (fast learners) and CategoryII (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 (ESE) 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 and tools, conducting experiments in VLab, and peer instructions are followed by the faculty members as a part of their teaching.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/ft_tlp.php

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://velalarengg.ac.in/sf/c6/21-22/6.3.4/annual_report_2021-22.pdf
Upload e-copies of accreditations and certification	[View File](#)
Upload details of quality assurance initiatives of the institution	[View File](#)
Upload any additional information	[View File](#)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Response:

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.
- 120 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	View File
Paste link for additional Information	https://velalarengg.ac.in/sf/c7/aqar2122/7.1.1_Annual_Gender_Sensitization_APA_21.pdf

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within 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	[View File](#)
Geotagged photographs of the facilities	[View File](#)
Any other relevant information	[View File](#)

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	[View File]()
Various policy documents / decisions circulated for implementation	[View File]()
Any other relevant documents	[View File]()

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

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

A. Any 4 or all of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File]()
Certification by the auditing agency	[View File]()
Certificates of the awards received	[View File]()
Any other relevant information	[View File]()

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

Everyone has freedom to express their own opinions and equal opportunity to participate in teaching, learning, and social activities. The institute provides a culturally inclusive environment with mutual respect, effective relationships, and clear communication. The institution believes in equality of all cultures and traditions as it is evident from the fact that students belong to different caste and religion are studying in the college without any discrimination. The institute maintains complete transparency right from the enrollment and all admissions are done only on merit without any biases.

The institution has Rotaract Club, Youth Red Cross, Red Ribbon Club, NCC and NSS to inculcate a sense of unity, discipline, and harmony. Anti-Ragging Cell acts as a key factor in maintaining tolerance and harmony among students. Grievance Redressal Committee is constituted to address the grievances among students.

Sports, cultural and technical activities are organized inside the college to promote harmony towards each other. The Institution celebrates regional and national festivals and birth anniversaries of national leaders through cultural programmes and seminar sessions. Commemorative days like International Women's Day, National Youth Day, Teachers' Day, Engineers' Day and Yoga Day are also celebrated in the college.

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

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

World Food Safety Day was celebrated on 07.06.2021 to create awareness about food safety. The Department of Science and Humanities organized a Programme on "YOGA-The Holistic Manager" to develop a healthy mind and body in view of International Yoga Day on 21.06.2021. Paper Day was celebrated to create an idea on the usage of papers on 01.08.2021. The Independence Day programme was celebrated on 15.08.2021 to pay devotion to our nation. Gandhi Jayanthi was celebrated on 04.10.2021 and his portrait was garlanded. A Foundation course on Yoga was conducted by Vethathiri Maharishi Institute for Spiritual and Institutional Education, Erode during the academic year 2021-22. Through this programme, 722 students got benefited.

National Unity Day was celebrated on 31.10.2021 to emphasize unity among the society. Blood Donation Camp was conducted on 18.11.2021 and 12.04.2022 and about 340 units of blood were collected. Swatch Bharath was carried out on 31.12.2021 to achieve universal coverage through sanitation. An awareness programme was conducted on 25.01.2022 in view of National Voter's Day celebration and pledge was taken at 11:30am in VCET campus. An awareness programme on Food Safety and Adulteration was organised by Youth Red Cross of VCET on 04.02.2022.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

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

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:

- **World Yoga Day**
- **Kamarajar's Birthday**
- **Independence day**
- **Teachers' Day celebrations**
- **Engineers' Day**

- **Onam Festival**
- **World Eye Sight Day**
- **Cancer Awareness Day**
- **Deepavali celebrations**
- **National Diabetes Day**
- **National Youth Day**
- **Pongal celebrations**
- **Republic Day**
- **Women's Day**

The Institute celebrates the above events and festivals through various clubs with wide participation from the students and faculty members. Competitions and rallies are held during these events to create awareness among the students and public. Awards are being given on Teachers' Day for special performance and research oriented activities for the benefit of efficient faculty members. Various medical camps like Eye Camp, Cancer Awareness Camp, Diabetes Camp etc. 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, Deepavali etc. were celebrated inside the college premises.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

NPTEL LOCAL CHAPTER

To support students and faculty members in strengthening their knowledge and career prospects through online education.It is

instrumental in connecting learners on advanced topics, and certificate exams with credit transfer facility. Learners enroll their courses outside their branch of study to enhance extra knowledge and career prospects. During 2021-22, VCET has obtained 465 certificates. At times, students choose advanced courses which are too tough to proceed without additional guidance.Certificates with 'Gold' and 'Silver' tags are a remarkable step towards the institution's commitment to impart essential knowledge through quality education.

Link to the website: https://velalarengg.ac.in/naac/best_practice-I(AQAR%202021-2022).php

BEST PRACTICE - II

MENTOR-MENTEE

In VCET, well structured mentoring system is the need of the day especially when it comes to dealing with adolescents. The purpose of mentoring system in VCET is to leverage the abundant wisdom of the faculty for the good of student community. Besides commendable achievements in academics, co-curricular and extracurricular activities from the students' side, the mentoring system at VCET has proved to yield benefits for the mentors as well who always elicit energy, confidence and right attitude.

Link to the website: https://velalarengg.ac.in/naac/best_practice-II(AQAR%202021-2022).php

File Description	Documents
Best practices in the Institutional website	https://velalarengg.ac.in/naac/best_practices(AQAR%202021-2022).php
Any other relevant information	https://velalarengg.ac.in/sf/c7/aqar2122/7.2.1_Additional_21.pdf

7.3 - Institutional Distinctiveness

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

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, Research and Development and Placement continuously.

In the academic year 2021-2022, VCET offers 8 UG programmes and 4 PG programmes. It has a well-structured Choice Based Credit System with a focus on Outcome Based Education. Elective courses are framed to meet the current needs of the industry. Through NPTEL Local Chapter, 456 students and 9 faculty members were awarded with certificates. Several students have participated in Smart India Hackathon and won one lakh cash prize.

18 patents were published and 1 copyright was granted, 9 programmes were funded by TNSCST, 65 proposals were sent by the faculty members to various funding agencies and 33 papers were published in International Journals.

VCET has signed Memorandum of Understanding (MoUs) with more than 40 industries. Over 90 % of the students were placed in reputed multinational companies.

Various scholarships to the tune of Rs.3.18 crores were 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.

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 institution's curriculum is constituted employing input
from all stakeholders, parents, academicexperts, industry
experts, students, alumni, and it is integrated with the
institution's mission. The points acquired following rigorous
evaluation of the prospects for improvement, industry needs;
adequate employability, innovation, research and development
of entrepreneurial skills among thestudents are included in
the design process. Since 2016, Choice Based Credit System
has been adapted with outcome based curriculum with the
requisite curricular elements to confront the demands of the
current global environment. The Graduate Attributes (GA)
recommended by NBA and other professional organizations are
used to frame the Programme Educational Objectives (PEOs),
Programme Outcomes (POs) and Program Specific Outcomes
(PSOs). Students are provided with a solid curriculum that
takes into account the requirements of governing authorities
including AICTE, UGC, NBA, Anna University, and the
institution's autonomy restrictions.

National/Global Relevance:

Students are provided a study structure that ispertinent to
both regional and global demands through industry-integrated
courses, MoUs with leading corporations, NPTEL courses,
internshipsandvalue-added courses, lifelong learning include
NPTEL, SWAYAM courses , ICT tools for teaching, learning and
assessment. The EEC component of the curriculum will assist
the students in developing their employability on a national
and international scale.
```

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://velalarengg.ac.in/governing/insight_cd.php

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

11

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

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

261

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

1.2 - Academic Flexibility

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

60

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

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

12

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

1.3 - Curriculum Enrichment

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

Our institution continues to promote a system of education based on values to promote efficient individuals. The educational practices encourage interdisciplinary thinking, collaborative learning and make a significant commitment to their future and the welfare of humanity.

Professional Ethics:

Our institution underpins all professional codes of conduct in the curriculum. Courses such as "Professional Ethics", "Total Quality Management", etc., are instilled to inculcate management and ethical practices in engineering. Total Quality Management raises industry awareness of the necessity for ISO and QS certification. '"Professional Ethics" enforce morality in the workplace, giving human connections, values a newfound significance.

Human Values:

Awareness of physical health, bolstering life forces, mental wellbeing, personal virtues, societal virtues, morals, human values are imparted through courses like "Universal Human Values" and "Value Education for Youth Empowerment."

Gender:

Gender equity is being followed in recruitment of staff, batch allocation in laboratories, academic project team, cultural activities, sports, association activities, NCC, NSS, club activities. Office bearers of associations, class representatives – all these responsibilities are equally shared among boys and girls activities.

Environment and sustainability:

Ecosystem, biodiversity, pollution, environmental protection laws, natural resources, population, and human health are among the topics covered in the course "Environmental Science and Engineering."

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

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

34

File Description	Documents
List of value-added courses	*View File*
Brochure or any other document relating to value-added courses	*View File*
Any additional information	*View File*

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

1725

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

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

1375

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

1.4 - Feedback System

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

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

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://velalarengg.ac.in/feedback/curriculum_feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

807

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

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

500

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

2.2 - Catering to Student Diversity

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

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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/ftasl.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	3086	220

File Description	Documents
Upload any additional information	[View File](#)

2.3 - Teaching- Learning Process

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

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	[View File]()
Link for additional Information	https://velalarengg.ac.in/ft_tlp.php

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.
- 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.
- 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,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.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://velalarengg.ac.in/dept_econtent/bme_econtents.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

190

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

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

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	[View File](#)

2.4 - Teacher Profile and Quality

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

220

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

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

59

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

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

1642

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

2.5 - Evaluation Process and Reforms

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

26

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

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

47

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

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

The examination process in the VCET autonomous system is automated and integrated with an Examination Management System. The various modules for generating exam hall allotment, seating pattern, invigilation list, absentees list, dummy number generation, are integrated in the software. The Continuous assessment (CA) for each theory

course carries 40 marks. The continuous assessment for theory coursesconsist of 3 written tests - each testisconducted for 50 marks for the duration of 1 hour 30 minutes. The marks obtained out of these 50 marks are added and averaged toa scale of 30 marks. Three assignments are given which are evaluated and averaged for a scale of 5. The course faculty decides anadditional assessment which may be a quiz, an activity, etc. which is evaluated for 5 marks.All of them put together and the internal marks are calculatedfor 40 marks. Semester examination for theory courses is conducted for 100 marks andit is converted to a scale of 60. The internal and external marks scored by the students are summed upfor 100 marks. Oncethe results are approved, thatdata is posted in the college website which enablethe students toknow their results online. The Grade Statements are also prepared by the Exam Management System in a predetermined format.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/pdf/coe/Downloads/VCET%20Examination%20Manual.pdf

2.6 - Student Performance and Learning Outcomes

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

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)	[View File](#)
Upload any additional information	[View File](#)
Link for additional Information	https://velalarengg.ac.in/academic_curriculum.php

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*CA attainment + 0.6*SE attainment
- Overall attainment of COs (Practical & Project) = 0.6*CA attainment + 0.4*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	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/governing/insight_co&po.php

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

772

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://velalarengg.ac.in/pdf/coe/VCET%20COE%20Report%202021%20-%2022.pdf

2.7 - Student Satisfaction Survey

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

https://velalarengg.ac.in/sf/c2/aqar2122/2.7_SSS_2021-2022.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

As a reputed engineering institution, the institution has framed a robust research policy to promote research interest and innovations in the emerging areas of science, engineering and technology. Students and faculties are motivated to undertake interdisciplinary research to promote experiential learning thereby building a strong academic foundation. This in turn leads to the realization of the vision and mission of the college. The research activities nourish the academic program by enriching the knowledge of faculties in their field of expertise. This in turn helps the institution to stand at the global level. The institute is equipped with well established laboratories to empower the faculties for research and development. There are research centres offering doctoral programmes in different disciplines. Laboratories are regularly upgraded to facilitate the research. Licensed software in the laboratory helps to promote the research to the next level. MoU's have been signed with the industries and hospitals to promote multidisciplinary research culture. The institution maintains a highly-stacked Library for research reference. The Institution has inked MoUs with industries for research.

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

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	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

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

13

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

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

0.375

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/research_projects.php
List of research projects during the year	[View File](#)

3.2.3 - Number of teachers recognised as research guides

22

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

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

5

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	https://www.tanscst.nic.in/index.html
Any additional information	[View File](#)

3.3 - Innovation Ecosystem

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

Entrepreneurship Development Cell –The EDC of the College conducts various awareness programmes such as Seminars,

Workshops, Industrial Visits and Interaction with industrialists. These programmes are aimed at making the student community more enthusiastic towards entrepreneurial activity.Also, our students are encouraged by VCET's successful alumni entrepreneurs towards innovative business ideas.

Recognized research center- The departments of ECE, EEE, and Physics at VCET have been designated as research centre. Faculty members are encouraged and supported in their efforts to direct research. A large number of research scholars have enrolled in PhD programs, and the number is growing every year.

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 in students through the schemes such as NSS, YRC, and RRC.

Institution Innovation Council - IICwas established to systematically foster an innovation culture among students across various departments within the Institute. All students are encouraged to participate in the Smart India Hackathon (SIH) in order to improve their abilities and face challenges while developing innovative models. One VCET team won the prize money of Rupees One Lakh at the Smart India Hackathon 2022 Grand Finale.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/research_centres.php

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

37

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

3.4 - Research Publications and Awards

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

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

7

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

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

33

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

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

10

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://velalarengg.ac.in/sf/c3/21-22/3.4/3.4.4_Books_Chapters.pdf

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

542

File Description	Documents
Any additional information	**View File**
Bibliometrics of the publications during the year	**View File**

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

3.4.6.1 - h-index of Scopus during the year

18

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	**View File**
Any additional information	**View File**

3.5 - Consultancy

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

0.02

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	**View File**
List of consultants and revenue generated by them	**View File**
Any additional information	**View File**

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

EXTENSION ACTIVITIES AND ITS IMPACT

3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their holistic development, and impact thereof during the last five years

VCET has prioritized students' overall development and societal demands by encouraging them to participate in several activities that address social issues. To encourage students to take part in community building activities, programmes like NCC, NSS, Youth Red Cross, Red Ribbon club, Rotaract club, and Green Club have been made an essential element of the curriculum.

National Service Scheme (NSS):

NSS volunteers gathered Special Camp at Panchayat Union Primary School, M.Puthupalayam

Unnat Bharat Abhiyan Scheme (UBA):

Five villages, Mullampatti, Seenapuram, Perode, Mettunasuvampalayam, and Ingur, have been adopted by VCET under UBA. For this programme, VCET has been given an amount

of Rs. 50,000.

National Cadet Corps (NCC):

The NCC organizes camps for Plastic awareness, Tree plantation, and Annual training camp. In the 2021-22 people mark the Competitions like Inter Batalion, B- Certificate Exam, Debate &Drawing; and celebrations for Republic day, Earth day, Sports day, world cycle day.

Rotaract club:

The Rotaract club joins together the community programmes for planting saplings, providing food, sports events at government schools, blood donation camps etc.

Youth Red Cross (YRC), Red Ribbon Club (RRC) & Green Club:

YRC, RRC and Green club of VCET organizes various programmes in sports, Awareness for Cancer, COVID-19, Water, Cleanliness Tree plantation etc. and train students on the importance of the environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/club/rotaract.php

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

36

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	[View File](#)
Any additional information	[View File](#)

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)

50

File Description	Documents
Reports of the events organized	[View File]()
Any additional information	[View File]()

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

1426

File Description	Documents
Reports of the events	[View File]()
Any additional information	[View File]()

3.7 - Collaboration

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

128

File Description	Documents
Copies of documents highlighting collaboration	[View File]()
Any additional information	[View File]()

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)

12

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Velalar College of Engineering and Technology has the state-of-theart facilities on almost all the aspects pertaining to teaching learning process.

The institution has totally 67classrooms with Wi-Fi connectivity. All the classrooms have LCD Projectors with smart boards. Each classroom has adequate seating capacity based on sanctioned intake. Four Drawing Halls are available based on the requirements of the curriculum. Our 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.

Each Department has well-equipped laboratory facilities over the mandatory AICTE requirements. There are totally 49 laboratories in the campus. Central Library, with adequate number of titles and volumes of text and reference books, is available for students and faculty members. Each department also has its own Department Library for the benefit of students and staff.

Totally 1191computer systems, connected to internet through a leased line with a bandwidth of 500 Mbps are available. Wi-Fi facility has enabled to for ICT based teaching-learning process. Study materials and online video lectures for each subject are posted in the Google Classroom which would help the students in their learning.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/infra_physical.php

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

Velalar College of Engineering and Technology gives high importance to instil the spirit of sportsmanship among the students to help them to learn discipline, leadership quality, team work and to lead a healthy life. The institute has more than adequate infrastructurefor such activities.

Cultural Activity

Our institution is committed to the holistic development of students and our Fine Arts Club activities keep the creative spark alive. Creativity is an essential component of Engineering and our club nurtures the same.

Yoga and Meditation Hall

The Institution has a Yoga Centre with an area of 230.97 Sq.m. Every year as a part of the curriculum a one credit course of Value Education (Yoga classes) were conducted for the first year students (common to all branches) for about 18 hours.

Sports and Games Facilities

The Department of Physical Education facilitates the students with all the equipment in their practice and motivates them to participate in both the indoor and outdoor games and gym. The Institute has a play ground area of 3.75 acres which includes athletic fields and track, Basket Ball, Cricket, Football, Volley ball, Badminton, Ball Badminton, Kabaddi, Kho-Kho and Indoor game facilities.

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/campus_cultural.php

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

71

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

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

60.26

File Description	Documents
Upload audited utilization statements	[View File](#)
Details of Expenditure, excluding salary, during the years	[View File](#)
Any additional information	[View File](#)

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 beenchanged 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 bylibrarian

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 aredeleted

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://velalarengg.ac.in/lib_intro.php

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

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

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

15.70

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

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

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

862

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	[View File](#)

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 1191 computers with the following configuration: i3 / i5/ i7 Processor , 4GB / 8GB RAM, 500 GB / 1 TB HardDisk, 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, 500 Mbps bandwidth connectivity. The Wi-Fi system has been functioning with 500 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.

LCDProjectors

Upgradingof 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 CONTROL ROUTER 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus_internet.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3086	1191

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	[View File](#)
Upload any additional information	[View File](#)

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://velalarengg.ac.in/dept_econtent/bme_econtents.php
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

93.11

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

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

VCET has the maintenance committee which is headed by the Dean. He monitors the Concern In charges / Supervisors who organize the workforce, maintain duty files. These details are periodically checked by the Concern In charges to ensure the efficiency / working condition of all equipment's.

Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non-teaching staff and sweepers.

- Site Engineer and their teams are involved in the

maintenance of infrastructure facilities.

- **The Estate office staff look after the maintenance of rest rooms, approach roads and neatness of the entire premises.**
- **Parking facilities inside the campus is neatly organized.**
- **Every department maintains a stock register for the available equipment.**
- **Proper inspection and verification of stock are done in the end of every year.**
- **Library books and records are audited by Internal Audit team every year.**
- **The campus maintenance is monitored through surveillance Cameras.**
- **Transport Department will take care of periodical check up of all the vehicle and properly follow the RTO office procedures.**
- **Lift maintenance are outsourced.**
- **Hostel facilities are maintained and monitored by the Admin. Officer/Hostel and Wardens of both the hostels.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/campus/campus_maintenance.php

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

1696

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	[View File](#)

5.1.2 - Number of students benefitted by scholarships and freeships provided by the

institution and non-government agencies during the year

1676

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://velalarengg.ac.in/plmt_capacity development.php
Details of capability development and schemes	View File
Any additional information	View File

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

1433

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of

A. All of the above

guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

496

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

5.2.2 - Number of outgoing students progressing to higher education

36

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

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

19

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

5.3 - Student Participation and Activities

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded

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 whichincludes arrangement of experts, intra-department events, industrial visits etc. The alumnus who become entrepreneurs also visits the collegeto 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 meeting, submitted to the principal through the Heads/Dean. Based on the weightage, the

principal has redressed to 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/club/ncc.php

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

12

File Description	Documents
Report of the event	[View File](#)
List of sports and cultural events / competitions organised per year	[View File](#)
Upload any additional information	[View File](#)

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 seven undergraduate B.E programmes and one B.Tech programme, Post graduate in MBA, MCA and M.E programmes. The alumni were employed in state and central government, Public Sector Units, private limited companies in India and foreign countries. 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	View File
Paste link for additional Information	https://velalarengg.ac.in/alumni/alumni_activities_(2016-2021).php

5.4.2 - Alumni's financial contribution during the year	C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Governing Council

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 Governing Council is fully democratic (participatory), 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 such as 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.

Institute Quality Assurance Cell (IQAC)

The GC also monitors the quality activities through the Institute Quality Assurance Cell (IQAC). The IQAC monitors quality of all activities of the institute by reviewing them periodically through conducting audits, awareness programmes, student feedback, student survey and training programmes for the faculty and staff.

Finance Committee

The prospective plans are implemented by Finance committee. It deals with the finance received from the various grants and amounts received from other sources for the overall development and maintenance of the college. The financial requirements were proposed and recommend in the regular meetings which are then forwarded by the Principal and management for final approval.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	[https://velalarengg.ac.in/index.php]()

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

Decentralization & Participative Management

VCET believes that excellent governance is essential to ensuring an efficient system for an institution's growth and development, as well as improving its outcomes. Decentralization of governance and delegation of tasks to various senior officials and department heads are the goals of this initiative. This goal encourages accessibility and a participative management style of administration. While framing specific guidelines to strengthen the college's systematic functioning, the college includes all stakeholders. At the same time, decentralization should be viewed as a way to improve the quality and efficiency of the system. To manage and efficiently control the institute,

numerous committees, both statutory and non-statutory, are in place.

Implementation of Value-added Course based on Decentralization

The Value Added Course (VAC) is recommended to the students to fill the gap between the industry expectation and Institutional procedure. In R2018, the VAC is approved and included in the curriculum. Totally 30 hours are allotted with 1 credit. The suitable VAC is selected based on the feedback received from the students, Class Committee, Alumni Interaction and Employment Opportunity. The selected VAC is recommended to the students and faculty is allotted. Based on the assessment, grade is allotted and certificate is provided.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/abt_non%20statutory%20bodies.php

6.2 - Strategy Development and Deployment

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

The college is having a practice of drafting the strategic plan before every academic starts. It is developed with the stakeholders, both internal and external participation. The strategic Plan is prepared for every academic year. One such successful plan is implemented in the Department of Electronics and Communication Engineering.

Implementation of MODROB based on Strategic/ Perspective plan

The proposal has been submitted under AICTE Modernization and Removal of Obsolescence (MODROB) scheme to upgrade Microwave and optical communication Laboratory in the year 2018-19. In

the academic year 2018-19 AICTE was sanctioned an amount of Rs.14,20,000. AICTE has released an amount of Rs.11,36,000 as a first instalment. Initially, the request letter to purchase the above times has been raised from the Principal Coordinator through the stores officer. On 07.09.2019 the purchase order was released to Entuple Technologies Pvt Ltd, Bangalore to supply mentioned items in given duration. All the items in purchase order were completely received from suppliers on 15.10.2020. Management has contributed Rs.2, 69,170 to support the research activities. To get second instalment amount of Rs.2,84,000 from AICTE, Utilization Certificate and Progress Report have been sent on 18.09.2021.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://velalarengg.ac.in/abt_sbc.php
Upload any additional information	View File

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.

Institute Organogram

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, Academics, Placement, Student centric activities, Co-curricular and Extra-curricular activities, Industry Institute Partnership

Department Advisory Board

- **Suggests improvement in academic plans and recommends standard practices/systems for attainment of PEOs &**
- **Encourage industry-institute interactions to bridge up curriculum/industry gap and suggests quality improvement initiatives to enhance employability.**
- **Redefine existing PEO's, aligning of PEO's to the mission statements and defining program specific outcomes.**
- **To propose necessary action plan for skill development of students, required for entrepreneurship development and quality improvement.**
- **To identify and suggest thrust areas to conduct various activities (final year projects, training courses and additional experiments) to meet PEOs.**

File Description	Documents
Paste link to Organogram on the institution webpage	https://velalarengg.ac.in/naac/vcetorg.php
Upload any additional information	View File
Paste link for additional Information	https://velalarengg.ac.in/pdf/HR_Policy_Book.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

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

6.3 - Faculty Empowerment Strategies

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

Welfare 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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/sf/c6/6.3.1/Incentive_policy.pdf

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

52

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

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

4

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

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

71

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Financial planning and management is the foresight of the institution in strategizes its growthand 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	View File
Paste link for additional information	https://velalarengg.ac.in/audit/audit.php

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)

3.62

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

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

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	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/audit/audit.php

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 NBA accreditation period was extended for four UG programmes: B.E. - BME, CSE, ECE, EEE and B.Tech – IT for the period from 2020-21 to 2021-22.
- Institute have got A+grade in second cycle of NAAC Accreditation.

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	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/iqac/iqac-members%202020-2022.php

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. The roles and responsibilities of the IQAC committee are the same as defined by the NAAC.

Identification of Slow Learners and Fast learners

After CAT1, the students are divided into two categories, Category-I (fast learners) and CategoryII (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 (ESE) 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 and tools, conducting experiments in VLab, and peer instructions are followed by the faculty members as a part of their teaching.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://velalarengg.ac.in/ft_tlp.php

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://velalarengg.ac.in/sf/c6/21-22/6.3.4/annual_report_2021-22.pdf
Upload e-copies of accreditations and certification	[View File](#)
Upload details of quality assurance initiatives of the institution	[View File](#)
Upload any additional information	[View File](#)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Response:

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.
- 120 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	[View File](#)
Paste link for additional Information	https://velalarengg.ac.in/sf/c7/aqar2122/7.1.1 Annual Gender Sensitization APA_21.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within 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	[View File](#)
Geotagged photographs of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	**A. Any 4 or All of the above**

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**A. Any 4 or all of the above**

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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

Everyone has freedom to express their own opinions and equal opportunity to participate in teaching, learning, and social

activities. The institute provides a culturally inclusive environment with mutual respect, effective relationships, and clear communication. The institution believes in equality of all cultures and traditions as it is evident from the fact that students belong to different caste and religion are studying in the college without any discrimination. The institute maintains complete transparency right from the enrollment and all admissions are done only on merit without any biases.

The institution has Rotaract Club, Youth Red Cross, Red Ribbon Club, NCC and NSS to inculcate a sense of unity, discipline, and harmony. Anti-Ragging Cell acts as a key factor in maintaining tolerance and harmony among students. Grievance Redressal Committee is constituted to address the grievances among students.

Sports, cultural and technical activities are organized inside the college to promote harmony towards each other. The Institution celebrates regional and national festivals and birth anniversaries of national leaders through cultural programmes and seminar sessions. Commemorative days like International Women's Day, National Youth Day, Teachers' Day, Engineers' Day and Yoga Day are also celebrated in the college.

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

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

World Food Safety Day was celebrated on 07.06.2021 to create awareness about food safety. The Department of Science and Humanities organized a Programme on "YOGA-The Holistic Manager" to develop a healthy mind and body in view of International Yoga Day on 21.06.2021. Paper Day was celebrated to create an idea on the usage of papers on 01.08.2021. The Independence Day programme was celebrated on 15.08.2021 to pay devotion to our nation. Gandhi Jayanthi was celebrated on 04.10.2021 and his portrait was garlanded. A Foundation course on Yoga was conducted by Vethathiri

Maharishi Institute for Spiritual and Institutional Education, Erode during the academic year 2021-22. Through this programme, 722 students got benefited.

National Unity Day was celebrated on 31.10.2021 to emphasize unity among the society. Blood Donation Camp was conducted on 18.11.2021 and 12.04.2022 and about 340 units of blood were collected. Swatch Bharath was carried out on 31.12.2021 to achieve universal coverage through sanitation. An awareness programme was conducted on 25.01.2022 in view of National Voter's Day celebration and pledge was taken at 11:30am in VCET campus. An awareness programme on Food Safety and Adulteration was organised by Youth Red Cross of VCET on 04.02.2022.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	[View File](#)
Any other relevant information	[View File](#)

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:

- **World Yoga Day**
- **Kamarajar's Birthday**
- **Independence day**
- **Teachers' Day celebrations**
- **Engineers' Day**
- **Onam Festival**
- **World Eye Sight Day**
- **Cancer Awareness Day**
- **Deepavali celebrations**
- **National Diabetes Day**
- **National Youth Day**
- **Pongal celebrations**
- **Republic Day**
- **Women's Day**

The Institute celebrates the above events and festivals through various clubs with wide participation from the students and faculty members. Competitions and rallies are held during these events to create awareness among the students and public. Awards are being given on Teachers' Day for special performance and research oriented activities for the benefit of efficient faculty members. Various medical camps like Eye Camp, Cancer Awareness Camp, Diabetes Camp

etc. 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, Deepavali etc. were celebrated inside the college premises.

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

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

NPTEL LOCAL CHAPTER

To support students and faculty members in strengthening their knowledge and career prospects through online education.It is instrumental in connecting learners on advanced topics, and certificate exams with credit transfer facility. Learners enroll their courses outside their branch of study to enhance extra knowledge and career prospects. During 2021-22, VCET has obtained 465 certificates. At times, students choose advanced courses which are too tough to proceed without additional guidance.Certificates with 'Gold' and 'Silver' tags are a remarkable step towards the institution's commitment to impart essential knowledge through quality education.

Link to the website: https://velalarengg.ac.in/naac/best_practice-I(AQAR%202021-2022).php

BEST PRACTICE - II

MENTOR-MENTEE

In VCET, well structured mentoring system is the need of the day especially when it comes to dealing with adolescents. The purpose of mentoring system in VCET is to leverage the abundant wisdom of the faculty for the good of student community. Besides commendable achievements in academics, co-curricular and extracurricular activities from the students' side, the mentoring system at VCET has proved to yield benefits for the mentors as well who always elicit energy, confidence and right attitude.

Link to the website: https://velalarengg.ac.in/naac/best_practice-II(AQAR%202021-2022).php

File Description	Documents
Best practices in the Institutional website	https://velalarengg.ac.in/naac/best_practices(AQAR%202021-2022).php
Any other relevant information	https://velalarengg.ac.in/sf/c7/aqar2122/7.2.1_Additional_21.pdf

7.3 - Institutional Distinctiveness

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

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, Research and Development and Placement continuously.

In the academic year 2021-2022, VCET offers 8 UG programmes and 4 PG programmes. It has a well-structured Choice Based Credit System with a focus on Outcome Based Education. Elective courses are framed to meet the current needs of the industry. Through NPTEL Local Chapter, 456 students and 9 faculty members were awarded with certificates. Several students have participated in Smart India Hackathon and won one lakh cash prize.

18 patents were published and 1 copyright was granted, 9

programmes were funded by TNSCST, 65 proposals were sent by the faculty members to various funding agencies and 33 papers were published in International Journals.

VCET has signed Memorandum of Understanding (MoUs) with more than 40 industries. Over 90 % of the students were placed in reputed multinational companies.

Various scholarships to the tune of Rs.3.18 crores were 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	https://velalarengg.ac.in/naac/ins_distinct2021-22.php
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- **Introduction of new programmes – B.Tech. (Artificial Intelligence & Machine Learning) & M.E. Industrial Safety Engineering – From the academic year 2023-2024.**
- **Encourage Faculty members and Students to participate in the International level events.**
- **Encourage Faculty members to apply for research grants**
- **Ensuring 40% of students to be placed in core companies.**
- **To establish Centre of Excellence in Networking and Software Development.**
- **To obtain atleast FOUR STAR rating by Institution's Innovation Council by Innovation Cell, Ministry of Education, Govt. of India.**
- **Improving Entrepreneurship and Innovation Eco system at the campus (To have at least ONE start-ups per dept. @ VCET)**
- **Deputing faculty members to the nearby Industries to improve Consultancy activities.**