



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

Vel Tech High Tech Dr.Rangarajan
Dr.Sakunthala Engineering College

- Name of the Head of the institution **Dr.E.Kamalanaban**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **9789037651**
- Alternate phone No. **9790839149**
- Mobile No. (Principal) **9789037651**
- Registered e-mail ID (Principal) **principal@velhightech.com**
- Address **No:60, Avadi-Veltech Road, Avadi**
- City/Town **Chennai**
- State/UT **Tamil Nadu**
- Pin Code **600062**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **20/12/2020**
- Type of Institution **Co-education**
- Location **Semi-Urban**

- Financial Status **Self-financing**

- Name of the IQAC Co-ordinator/Director **Dr.D.Yuvaraj**
- Phone No. **04426841131**
- Mobile No: **9944099550**
- IQAC e-mail ID **iqac@velhightech.com**

3.Website address (Web link of the AQAR (Previous Academic Year)) https://www.velhightech.com/single_page.php?id=NP-49&mid=MID-14&sid=SID-90

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

- if yes, whether it is uploaded in the Institutional website Web link: <https://www.velhightech.com/>

5.Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---------|-------|------|-----------------------|---------------|-------------|
| Cycle 1 | A | 3.27 | 2016 | 05/11/2017 | 04/11/2021 |
| Cycle 1 | A | 3.27 | 2016 | 04/11/2021 | 31/12/2025 |

6.Date of Establishment of IQAC **21/01/2017**

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 |
|--|----------|----------------|-----------------------------|--------|
| UGC | 2F & 12B | UGC | 26/06/2015 | - |

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 **No** compliance to the decisions taken uploaded on the institutional website?

- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

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)

The IQAC (Internal Quality Assurance Cell) instructed all Heads of Departments (HoDs) to give priority to experiential learning by incorporating project work, fieldwork, and internships.

The principal recommended that the IQAC coordinator organize professional and administrative training programs for both teaching and non-teaching staff.

Secure at least one research grant from international or central funding agencies for every department.

Ensure a pass rate exceeding 90% in each course and an overall pass rate of over 85%.

Attain a minimum of 200 research publications in indexed journals.

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 |
|--|--|
| <p>The principal instructed the IQAC coordinator to organize an orientation program for both students and newly appointed faculty members.</p> | <p>The IQAC effectively organized the orientation program for faculty members and first-year students.</p> |
| <p>The faculty members have been tasked with furnishing lesson plans alongside sets of 2-mark and 16-mark questions inclusive of answers, as well as multiple-choice questions (MCQs) intended for both training sessions and assessments.</p> | <p>Almost every faculty member has submitted lesson plans, along with sets of 2-mark and 16-mark questions complete with answers, as well as multiple-choice questions (MCQs). These materials are currently being employed for internal assessments</p> |
| <p>The principal has emphasized the need for the IQAC to promptly formulate and conduct the academic audit at the end of this semester. Additionally, IQAC members may conduct random academic audits by visiting departments as well.</p> | <p>The internal academic audit committee has been established and approved by the principal. The audit schedule has been finalized after obtaining agreement from the department head.</p> |
| <p>Collecting feedback from all stakeholders, analyzing it, taking relevant actions, and then publishing the report on our college website.</p> | <p>Stakeholder feedback is gathered for consolidated analysis and will be posted on the college website.</p> |
| <p>To empower students with self-learning autonomy.</p> | <p>The students are enrolled in NPTEL online courses</p> |
| <p>Achieve Research Centre Recognition for every department within the institution.</p> | <p>Three departments have achieved Research Centre status within the institution.</p> |

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

- Name of the statutory body

| Name of the statutory body | Date of meeting(s) |
|----------------------------|--------------------|
| Academic Council Meeting | 12/06/2023 |

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

| | |
|--|--|
| 1.Name of the Institution | Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College |
| • Name of the Head of the institution | Dr.E.Kamalanaban |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone No. of the Principal | 9789037651 |
| • Alternate phone No. | 9790839149 |
| • Mobile No. (Principal) | 9789037651 |
| • Registered e-mail ID (Principal) | principal@velhightech.com |
| • Address | No:60, Avadi-Veltech Road, Avadi |
| • City/Town | Chennai |
| • State/UT | Tamil Nadu |
| • Pin Code | 600062 |
| 2.Institutional status | |
| • Autonomous Status (Provide the date of conferment of Autonomy) | 20/12/2020 |
| • Type of Institution | Co-education |
| • Location | Semi-Urban |
| • Financial Status | Self-financing |
| • Name of the IQAC Co-ordinator/Director | Dr.D.Yuvaraj |

| | | | | | |
|--|---|----------------|-----------------------------|---------------|-------------|
| • Phone No. | 04426841131 | | | | |
| • Mobile No: | 9944099550 | | | | |
| • IQAC e-mail ID | iqac@velhightech.com | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year) | https://www.velhightech.com/single_page.php?id=NP-49&mid=MID-14&sid=SID-90 | | | | |
| 4.Was the Academic Calendar prepared for that year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://www.velhightech.com/ | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
| Cycle 1 | A | 3.27 | 2016 | 05/11/2017 | 04/11/2021 |
| Cycle 1 | A | 3.27 | 2016 | 04/11/2021 | 31/12/2025 |
| 6.Date of Establishment of IQAC | | | 21/01/2017 | | |
| 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 | |
| UGC | 2F & 12B | UGC | 26/06/2015 | - | |
| 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? | No | | | | |

| | |
|---|---------------------------|
| <ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report | View File |
| 10. Did IQAC receive funding from any funding agency to support its activities during the year? | No |
| <ul style="list-style-type: none"> • If yes, mention the amount | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | |
| <p>The IQAC (Internal Quality Assurance Cell) instructed all Heads of Departments (HoDs) to give priority to experiential learning by incorporating project work, fieldwork, and internships.</p> | |
| <p>The principal recommended that the IQAC coordinator organize professional and administrative training programs for both teaching and non-teaching staff.</p> | |
| <p>Secure at least one research grant from international or central funding agencies for every department.</p> | |
| <p>Ensure a pass rate exceeding 90% in each course and an overall pass rate of over 85%.</p> | |
| <p>Attain a minimum of 200 research publications in indexed journals.</p> | |
| 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 |
|--|--|
| <p>The principal instructed the IQAC coordinator to organize an orientation program for both students and newly appointed faculty members.</p> | <p>The IQAC effectively organized the orientation program for faculty members and first-year students.</p> |
| <p>The faculty members have been tasked with furnishing lesson plans alongside sets of 2-mark and 16-mark questions inclusive of answers, as well as multiple-choice questions (MCQs) intended for both training sessions and assessments.</p> | <p>Almost every faculty member has submitted lesson plans, along with sets of 2-mark and 16-mark questions complete with answers, as well as multiple-choice questions (MCQs). These materials are currently being employed for internal assessments</p> |
| <p>The principal has emphasized the need for the IQAC to promptly formulate and conduct the academic audit at the end of this semester. Additionally, IQAC members may conduct random academic audits by visiting departments as well.</p> | <p>The internal academic audit committee has been established and approved by the principal. The audit schedule has been finalized after obtaining agreement from the department head.</p> |
| <p>Collecting feedback from all stakeholders, analyzing it, taking relevant actions, and then publishing the report on our college website.</p> | <p>Stakeholder feedback is gathered for consolidated analysis and will be posted on the college website.</p> |
| <p>To empower students with self-learning autonomy.</p> | <p>The students are enrolled in NPTEL online courses</p> |
| <p>Achieve Research Centre Recognition for every department within the institution.</p> | <p>Three departments have achieved Research Centre status within the institution.</p> |
| <p>13. Was the AQAR placed before the statutory body?</p> | <p>Yes</p> |
| <ul style="list-style-type: none"> Name of the statutory body | |

| | |
|----------------------------|--------------------|
| Name of the statutory body | Date of meeting(s) |
| Academic Council Meeting | 12/06/2023 |

| | |
|--|------------|
| 14. Was the institutional data submitted to AISHE ? | Yes |
|--|------------|

| | |
|--|--|
| <ul style="list-style-type: none"> • Year | |
|--|--|

| | |
|---------|--------------------|
| Year | Date of Submission |
| 2021-22 | 31/03/2022 |

15. Multidisciplinary / interdisciplinary

In the ever-evolving landscape of education, the significance of multidisciplinary learning cannot be overstated. Our institute, committed to providing a dynamic and comprehensive educational experience, has strategically positioned itself as a champion of multidisciplinary learning. Through a carefully crafted curriculum and innovative teaching methodologies, the institute actively nurtures an environment where students are encouraged to explore, integrate, and apply knowledge across various disciplines. At the heart of our commitment to multidisciplinary learning is the incorporation of open electives from diverse branches. Unlike traditional academic structures that confine students to a narrow set of subjects, our institute allows students to choose courses beyond the boundaries of their primary discipline. This freedom to explore different academic realms not only broadens students' perspectives but also equips them with a versatile skill set that is invaluable in today's interconnected world. The curriculum begins with a strong emphasis on fundamental concepts in basic sciences. This foundational knowledge serves as a common ground for students from various disciplines, providing a shared language and understanding. As students progress, they engage in professional core courses that instill essential concepts specific to their chosen field. However, what sets our approach apart is the inclusion of professional elective courses that delve into advanced topics, encouraging students to draw connections between seemingly disparate subjects. This deliberate blending of core and elective courses promotes a holistic understanding of complex issues and fosters a multidimensional approach to problem-solving. Practical sessions play a pivotal role in our multidisciplinary approach. These sessions provide students with hands-on experience,

allowing them to apply theoretical knowledge in real-world scenarios. Moreover, mini-projects and comprehensive projects require students to collaborate across disciplines, challenging them to synthesize information from diverse sources and create innovative solutions. This collaborative learning environment not only mimics the interdisciplinary nature of the professional world but also cultivates essential teamwork and communication skills. To further enrich the multidisciplinary learning experience, our institute actively promotes internships and industrial training opportunities. These experiences expose students to the latest industry practices, giving them a firsthand understanding of how different disciplines converge in the workplace. By bridging the gap between academic learning and real-world applications, these opportunities ensure that our graduates are well-equipped with a multidisciplinary mindset that is highly sought after in today's competitive job market.

16.Academic bank of credits (ABC):

Every B.E. / B. Tech. Program incorporates a comprehensive curriculum with syllabi encompassing both theory and practical courses, systematically categorized as follows: i. Humanities and Social Sciences including Management Courses (HSMC): This category comprises courses such as Technical English, Employability Skills, Engineering Ethics and Human Values, Communication skills, and Management courses. These courses are designed to foster holistic development, emphasizing effective communication, ethical practices, and managerial skills. ii. Basic Sciences Courses (BSC): Core subjects like Physics, Chemistry, Mathematics, and Environmental Sciences fall under this category, providing students with a foundational understanding of fundamental scientific principles. iii. Engineering Sciences Courses (ESC): This category includes courses like Engineering Practices, Engineering Graphics, and Basics of Electrical / Electronics / Mechanical / Civil Engineering. These courses lay the groundwork for hands-on engineering skills and knowledge. iv. Professional Core Courses (PCC): PCC encompasses core courses relevant to the chosen specialization or branch, ensuring students acquire in-depth knowledge and expertise in their field of study. v. Professional Elective Courses (PEC): PEC offers a range of elective courses tailored to the chosen specialization or branch, providing students with the flexibility to customize their learning experience. vi. Open Elective Courses (OEC): OEC allows students to explore courses from other branches, chosen from a list specified in the curriculum. This fosters interdisciplinary

learning and a broader understanding of engineering disciplines.

vii. **Employability Enhancement Courses (EEC):** This category includes essential components such as Project Work, Internship, Seminar, Professional Practices, and Industrial/Practical Training. These courses aim to enhance practical skills, industry exposure, and overall employability.

viii. **Audit Courses (AC):** AC exposes students to diverse subjects like Constitution of India, Essence of Indian Traditional Knowledge, and Environmental Science. Although no credits are allotted to audit courses, they contribute to a well-rounded education. The curriculum ensures a balance of Core and Elective courses, allowing students to specialize in their chosen field while providing opportunities for a broader academic experience. Upon completion of the program, students are not only equipped with professional expertise but have also developed into socially conscious and responsible individuals.

17.Skill development:

The institution has established collaborative partnerships with various companies to facilitate placement, industry training, and internships for its students. Working closely with industries, the institution offers skill-based one-credit courses in the curriculum, aligning with State Government programs such as Nan Mudhalvan and Nalaiya Thiran Schemes, focusing on cutting-edge technologies like Industry 4.0, Artificial Intelligence, Big Data, AR/VR, and Cloud Computing. To guide students in their career paths, a Training & Placement Cell has been established, providing counseling and soft skills training across undergraduate and postgraduate programs. Complementing the cell, Activities Beyond Classroom (ABC) has been introduced to incorporate more industry-oriented courses, bridging the gap between academia and industry and molding students into "skill-based learners." Interdisciplinary projects are integrated into all degree programs, fostering undergraduate research and exposing students to modern trends and interdisciplinary approaches. The Training & Placement Cell conducts monthly skill-based training activities for all undergraduate students, covering non-conventional skills, technical and entrepreneurship skills, campus-to-corporate training, and soft skills. Additionally, departments have introduced industry-based value-added courses in the curriculum to bridge gaps between industry requirements and academic offerings.

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

Upon admission, all students must enroll in one of the personality and character development programs (NCC/NSS/YRC), undergoing an extensive 80-hour training regimen alongside scheduled camps. This comprehensive initiative encompasses classes addressing hygiene, health awareness, and first-aid training, fostering a holistic approach to personal growth. The National Cadet Corps (NCC) component involves students participating in approximately 20 parades, instilling discipline and teamwork. The National Service Scheme (NSS) engages students in social service activities within the college and its surrounding community, promoting a sense of civic responsibility. The Youth Red Cross (YRC) emphasizes social service activities in and around the college, nurturing a sense of humanitarian duty. While training activities typically occur on weekends, the camp activities are scheduled during vacation, ensuring a balanced integration of these developmental initiatives into the students' academic calendar. This multifaceted approach to personality and character development aims to equip students with academic knowledge, essential life skills, and a strong sense of social responsibility.

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

Our autonomous institution is guided by dedicated Boards of Studies for each discipline, ensuring a comprehensive and tailored educational experience. Aligned with the institute's mission for holistic development, each program is shaped by well-defined Programme Educational Objectives (PEOs). Programme Specific Outcomes (PSOs) cater to specialized skills meeting local and regional industry needs, while Program Outcomes (POs) address national and global developmental requirements. The curriculum for both undergraduate and postgraduate programs, crafted by Boards of Studies with input from stakeholders, maintains a balanced blend of Basic Sciences, Humanities, Basic Engineering, Core and Elective courses, Employability Enhancement, Personality Development, and Competency Development courses. Each course, contributing to 5 Course Outcomes (COs), is meticulously mapped to relevant POs and PSOs. Regular updates to the curriculum respond to changes in industry and societal needs, undertaken annually. A qualified faculty employs innovative teaching practices, seamlessly integrating theoretical knowledge with practical applications. Practical sessions, mini-projects, and internships serve to bridge the gap between academia and industry, equipping students for the workforce. Beyond academics, students actively participate in co-curricular activities, technical competitions, ideation contests, and regular sports

activities to enhance both individual and team skills. The Training and Placement unit imparts training in technical and soft skills, ensuring enhanced employability. Students are encouraged to pursue online NPTEL/MOOCs certification courses, fostering a culture of self-learning. The institution's holistic approach combines academic rigor with practical experience, positioning students to meet the dynamic demands of the professional world.

20.Distance education/online education:

Our institution, affiliated with Anna University, exclusively provides full-time regular undergraduate (UG) and postgraduate (PG) programmes conducted in campus. Distance education is not incorporated into our academic framework.

Extended Profile

1.Programme

| | |
|---|----|
| 1.1 | 11 |
| Number of programmes offered during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |

2.Student

| | |
|---|------|
| 2.1 | 2366 |
| Total number of students during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional data in Prescribed format | View File |

| | |
|---|-----|
| 2.2 | 612 |
| Number of outgoing / final year students during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |

| | |
|--|------|
| 2.3 | 2359 |
| 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 Number of courses in all programmes during the year: | 887 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.2 Number of full-time teachers during the year: | 180 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.3 Number of sanctioned posts for the year: | 150 |
| 4.Institution | |
| 4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year: | 2022-23: 757; 2021-22:515; 2020-21: 376 ; 2019-20 : 467; 2018-19 :329; |
| 4.2 Total number of Classrooms and Seminar halls | 55 |
| 4.3 Total number of computers on campus for academic purposes | 979 |
| 4.4 Total expenditure, excluding salary, during the year (INR in Lakhs): | 4,66,81,595 |
| 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.

Our college, functioning as an autonomous institution affiliated with Anna University, operates with a well-organized academic structure. Each discipline of study has a dedicated Board of Studies, ensuring a focused approach. The institution adheres to global educational standards, incorporating well-defined Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) for each program.

- To ensure effective curriculum delivery, the institution employs a comprehensive approach. At the beginning of each semester, a meticulously planned academic calendar is distributed, encompassing essential instructions, norms, and assessment schemes. Key elements of this approach include providing class notes, lab manuals, question banks, and model question papers, all contributing to transparency in assessments.
- Recognizing diverse learning needs, the institution offers additional coaching for slow learners in each subject. Faculty members are equipped with modern teaching aids such as LCD projectors, the Internet, smart boards, and online libraries to enhance classroom lectures. The faculty is trained to utilize contemporary resources like NPTEL and digital libraries. [Enclosed Annexure]

| File Description | Documents |
|---------------------------------------|---|
| Upload additional information, if any | View File |
| Link for additional information | https://www.velhightech.com/index.php |

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

10

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

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

887

| 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

278

| 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

11

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

1.3 - Curriculum Enrichment

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

The curriculum at Veltech Hightech Dr. Rangarajan Dr. Sakunthal Engineering College encompasses courses designed to enhance both professional and general competencies, fostering the holistic development of students. Highlighted below are specific courses focusing on crucial aspects:

1. **Gender Sensitivity:** The college integrates theory and practical applications to nurture gender sensitivity and sensitization. Students engage in hands-on experiences through fieldwork, community outreach, and participation in gender sensitization activities organized by the Women Advisory Committee (WAC).

2. **Human Values and Professional Ethics:** The course "Professional Ethics and Human Values" is offered as a subject or open elective to all students. Social development activities, including involvement in NGOs, organizing blood donation and health check-up camps, conducting workshops on hygiene and health, environmental awareness camps, river cleanliness drives, and addressing social issues, are conducted under faculty supervision.

3. **Environmental Science:** To raise awareness about the environment and sustainability issues, the college organizes various activities such as seminars, workshops, guest lectures, industry visits, and field excursions across all programs. Special events like Environment Day, Earth Day, and Water Day are celebrated annually, encouraging active student participation. Furthermore, workshops and seminars on different aspects of environmental sustainability are periodically conducted.

These courses and activities collectively contribute to the comprehensive development of students, instilling in them essential values, social consciousness, and a sense of environmental responsibility.

| 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

24

| 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

810

| 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

1106

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

| | |
|--|---|
| 1.4 - Feedback System | |
| 1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni | A. All 4 of the above |
| File Description | Documents |
| Provide the URL for stakeholders' feedback report | https://www.velhightech.com/index.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://www.velhightech.com/index.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 | |
| 2022-23 : 793, 2021-22 : 592, 2020-21 : 414, 2019-20 : 573 | |
| 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) | |

2022-23: 757; 2021-22:515; 2020-21: 376 ; 2019-20 : 467; 2018-19 :329;

| 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.

For advanced learners, the institution offers special facilities including:

1. Project-Based Learning with opportunities for mini-projects.
2. Communication Skill Development.
3. Programming Skill Development.
4. Integrated Learning, emphasizing connections between subjects for a holistic understanding.
5. Placement Training sessions covering verbal, analytical, logical, and critical reasoning skills, fostering problem-solving abilities.
6. Self-learning opportunities with access to expert faculties from IITs/IISc and certification upon completion.
7. Value Added Courses and relevant online e-learning courses.
8. Motivation for participation in co-curricular activities such as seminars, paper presentations, quizzes, and competitions.
9. Foreign language learning facilities.
10. Encouragement for sports and games participation.
11. Motivation for industry internships.
12. Access to become a member of Centre of Excellence / Entrepreneurship Development Cell.
13. Encouragement to join the Institutional Innovation Council (IIC).

For slow learners, specific initiatives are in place:

1. Segregation into small groups.
2. Special coaching classes tailored for slow learners.
3. Regular monitoring through mentoring and counseling.
4. Discussions with parents to assess reasons for poor performance and implement remedial measures to enhance

academic outcomes.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 01/06/2022 | 2366 | 180 |

| 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:

The core objective and strength of our college lie in the teaching-learning process. We strive to provide students with a well-balanced mix of traditional and modern methods, ensuring a student-centric and rewarding learning experience. Emphasizing experiential learning, participative approaches, and problem-solving methodologies, our aim is to foster the holistic development of students, promoting lifelong learning and knowledge management.

To enhance practical exposure and industry collaboration, the college has established several centers of excellence. Students are grouped based on their preferences into these centers, where industry-driven training is provided. The emphasis is on students demonstrating their knowledge and practical skills through mini projects involving simulation and hardware development, along with participation in project contests. An industry expert panel reviews these projects.

Furthermore, students are actively encouraged to engage in professional societies, technical workshops, intra-department project contests, seminars, symposiums, and paper presentations at conferences. The college facilitates industry visits, in-plant

training, and internships to provide real-world exposure and practical experience for the students. This comprehensive approach ensures that our students are well-prepared for the dynamic demands of their chosen fields.

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional Information | https://www.velhightech.com/ |

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

The integration of ICT-enabled technologies has become a pivotal aspect of our curriculum framework. Particularly during the pandemic, classes were conducted through Google Meet. Faculty members utilize a range of ICT tools, including PowerPoint presentations, videos, quizzes, crosswords, and Google Classroom, to facilitate an effective teaching-learning process.

To stay current with technological advancements, faculty members also leverage electronic resources from platforms such as NPTEL and Coursera. All digital materials, including notes, activity-based learning resources, real-time applications, and mini-projects for every subject, are shared on the college website, marking a new era in the teaching-learning process.

The institution is equipped with comprehensive infrastructure to support ICT-enabled teaching-learning processes and content development by the faculty. Facilities such as seminar halls, smart classrooms, LCD projectors, video cameras, high-speed internet, and Wi-Fi are provided. The institution employs an AI-Driven Personalized Hybrid Learning Platform called RMK NEXTGEN for engineering education. This platform enhances the learning experience by offering a highly efficient, personalized, and engaging approach. Its unique features aim to bridge the gap between students' skill sets and corporate expectations.

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://www.velhightech.com/ |
| 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

160

| 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

The Academic Committee meticulously crafts an Academic calendar by gathering input from Department and Section heads. This comprehensive calendar is then disseminated via printed copies on notice boards and through the college website, ensuring accessibility to all stakeholders. Students receive this calendar prior to the start of classes, incorporating essential dates such as the beginning and end of instruction periods, internal and external examination schedules, study breaks preceding final exams, and vacation periods.

The institution maintains a steadfast adherence to the academic calendar, yet remains flexible to unforeseen circumstances beyond its control. In such instances, necessary adjustments are promptly communicated through notice boards and the website.

Furthermore, prior to the commencement of each semester's coursework, department heads convene meetings with faculty members to allocate subjects and establish a unit-wise teaching plan. This detailed plan delineates course content and its distribution across designated lecture hours, ensuring a coherent teaching pace. The progress of course coverage is routinely monitored by

department heads, who conduct fortnightly reviews. Any deviations from the plan are addressed through clarification with the respective faculty, and if necessary, special class sessions are arranged to ensure curriculum alignment.

| 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

150

| 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

63

| 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)

684

| 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

10

| 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

313

| 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

11.1 The evaluation of performance in each course of study shall be conducted through (i) Continuous Internal Evaluation (CIE) throughout the semester and (ii) Semester End Examination (SEE) held at the conclusion of the semester.

11.2 For each course, encompassing both theory and practical components (including project work and viva voce examinations), a maximum of 100 marks will be allocated. In the assessment,

Continuous Internal Evaluation will carry a weightage of 40%, while the Semester End Examination will carry a weightage of 60%, applicable to theory courses, practical courses, courses with theory and laboratory components, and project work.

11.3 Internship and Technical seminars, totaling 100 marks, will be evaluated exclusively through Continuous Internal Evaluation.

11.4 The Semester End Examination (both theory and practical), lasting for 3 hours, will typically be conducted between October and December for odd semesters and between April and June for even semesters.

11.5 The Semester End Examination for project work involves the assessment of the final report submitted by the student or student group (not exceeding 3 or 4 students). This evaluation is conducted by an external examiner and an internal examiner, followed by a viva-voce examination for each student group. The viva-voce examination is administered by a committee comprising an external examiner, the project group supervisor, and an internal examiner.

11.6 The appointment of internal and external examiners for the Semester End Examination in both practical courses and project work is the responsibility of the Controller of Examinations.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

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

Programme Outcomes (POs), and Programme Specific Outcomes (PSOs), and has implemented effective communication strategies to convey the Vision and Mission statements, along with PEOs, POs, and PSOs, to all students. These communication efforts include:

1. Distributing hardcopies of Vision, Mission, PEOs, and PSOs to students and their parents/guardians during the orientation meet in the first year.

2. Displaying the Vision, Mission, PEOs, and PSOs prominently in all classrooms, laboratories, and notice boards to ensure continuous visibility within the academic environment.
3. Making the Vision, Mission, PSOs, and PEOs easily accessible through unspecified means or platforms, providing convenient access for all stakeholders.

Moreover, the department has organized awareness sessions in both physical classrooms and online platforms, utilizing tools such as Google Meet to reach all students comprehensively. Faculty members actively engage in these sessions, utilizing class time to discuss Course Outcomes (COs) and delve into related topics such as CO-PO mapping, assessment criteria, and attainment. This inclusive approach to awareness-building ensures that students gain a comprehensive understanding of the curriculum and its objectives from various perspectives.

| 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://www.velhightech.com/ |

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

Bloom's Taxonomy action verbs are employed to define Course Outcomes (COs) for all courses in the curriculum and syllabi. Course coordinators undertake the responsibility of appropriately mapping COs to Programme Outcomes (POs), a process that undergoes thorough verification by the program coordinator.

To address any gaps in the curriculum, diligent efforts are made to identify and minimize them. This involves introducing new subjects or augmenting existing topics in the syllabus, extending beyond the prescribed content to align with the attainment of POs and PSOs.

Faculty members actively engage in calculating CO attainment for their respective courses, while Department/Programme Coordinators take charge of assessing PO and PSO attainments. Special emphasis is placed on supporting slow learners, with the aim of enhancing

their academic performance and overall attainment levels. This comprehensive approach ensures a holistic evaluation and continuous improvement in the curriculum and student learning outcomes.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

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

634

| 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://www.velhightech.com/ |

2.7 - Student Satisfaction Survey

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

<https://www.velhightech.com/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The institution provides robust infrastructural facilities and an environment conducive to fostering research activities across all its departments. Faculty members are actively encouraged to seek funding from various agencies to support their research endeavors, with the institute prepared to offer seed funding or partial

funding based on the merit of proposals submitted by faculty or students. In the current academic year, a total of INR 18,60,000 (Eighteen Lakhs and Sixty Thousand Only) has been sanctioned as seed money (Institute Research Fund) for 19 proposals out of 29 proposals submitted by faculty members.

The evaluation of proposals is conducted by a committee, including external expert members, adhering to institute guidelines, and seed funding is allocated accordingly. Faculty and students are granted the freedom to choose their research areas, with guidance available for securing funding from various sources, including industry partnerships. [Annexure Enclosed]

| 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://www.velhightech.com/ |
| 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)

18.6

| 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

0

| 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)

4

| 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

2

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

17

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

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

2

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | https://www.velhightech.com/ |
| Any additional information | View File |

3.3 - Innovation Ecosystem

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

The institution fosters an environment conducive to innovation, entrepreneurship, and various club activities. Students are actively encouraged to apply technology to address societal needs, receiving support for documentation, research paper publication, and patent acquisition. Awareness meets, workshops, seminars, and guest lectures on entrepreneurship are organized, providing students direct interaction with successful entrepreneurs. Product service training is offered to instill awareness of effective marketing strategies.

The Institution's Innovation Council serves as a pivotal platform, facilitating the convergence of innovative and entrepreneurial endeavors. It provides mentoring, training, and financial support with a focus on translating novel ideas into marketable products, nurturing the development of future entrepreneurs. Stakeholders include students, faculty members, mentors from professional bodies, and local community entrepreneurs. The center's philosophy revolves around the consideration and examination of every idea, irrespective of its apparent significance, recognizing and

unlocking its potential.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

114

| 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

C. Any 2 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

0

| File Description | Documents |
|--|---|
| URL to the research page on HEI website | https://www.velhightech.com/ |
| 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

104

| 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

12

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

117

| 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

34

| File Description | Documents |
|--|---------------------------|
| Bibliometrics 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

| 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 | View File |
| List of training programmes, teachers and staff trained for undertaking consultancy | View File |
| List of facilities and staff available for undertaking consultancy | View File |
| Any additional information | View File |

3.6 - Extension Activities

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

The institution actively participates in extension activities and institutional social responsibility (ISR) to instill a sense of service and responsibility among its students. The Youth Red Cross (YRC) unit plays a pivotal role by organizing programs such as blood donation camps, fostering a spirit of service among students. Social service groups, comprising students from various departments, independently undertake service activities under the guidance of faculty members. Additionally, personality development programs are collaboratively organized with philanthropic and service organizations such as RS Trust, YRC Club, and NCC. The placement cell orchestrates guest lectures by industry experts, focusing on topics like leadership and teamwork to enhance overall student development. The entrepreneurship development cell encourages students to become job providers, contributing to a well-rounded educational experience.

These initiatives contribute to a heightened sense of responsibility towards social causes. Notable examples of specific initiatives include Annadhanam (food donation), organ donation awareness camps, library renovation, improvements to sanitation facilities, beach and neighborhood cleaning, and sapling plantation.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

1

| 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)

13

| 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

687

| 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

749

| 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)

63

| 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.

Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, situated in Avadi, Chennai, is committed to fostering a deep-seated passion for education and holistic student development. The institution has made substantial investments in cutting-edge infrastructure, boasting well-equipped classrooms, laboratories, seminar halls, tutorial spaces, computer facilities, and a comprehensive library. Each department has dedicated areas tailored to meet academic requirements, and the college ensures a secure and comfortable living environment with separate hostels.

Prioritizing student well-being, the campus offers on-site medical facilities and ensures uninterrupted internet and power supply. The college places a strong emphasis on research and development, providing dedicated infrastructure for innovative projects. Upholding high standards, the campus focuses on cleanliness, hygiene, and a green environment, creating a pleasant atmosphere. Recognizing the significance of sports, the institution offers

appropriate infrastructure and maintains sports facilities, actively encouraging student participation. In summary, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College provides an optimal learning environment with modern infrastructure, emphasizing student welfare, research opportunities, and a clean and green campus.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

Our institution actively promotes the involvement of both faculty and students in diverse associations and cultural activities, fostering a vibrant and engaged community. Overseeing sports and cultural endeavors, a qualified Physical Director manages activities such as the gymnasium and yoga center within the hostels. The NCC unit, dedicated to social responsibility, organizes impactful events like blood donation camps and awareness programs. Cultural activities are a cornerstone, with students orchestrating and participating in annual day celebrations featuring music, traditional dance, singing, and more.

Our commitment to holistic development extends to personality enhancement programs led by industry experts and faculty, focusing on public speaking and communication skills. We offer an array of sports facilities, coupled with enrichment programs that contribute to the comprehensive development of students—addressing physical, mental, and emotional well-being, imparting employability skills, and fostering mentorship initiatives. Furthermore, our NCC wing actively conducts awareness camps and engages in community initiatives, reaching out to nearby rural areas. Through these multifaceted efforts, our institution strives to create a dynamic and nurturing environment that goes beyond academics, nurturing well-rounded individuals ready to make a positive impact on society.

| File Description | Documents |
|---------------------------------------|---|
| Geotagged pictures | View File |
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

61

| 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)

466

| 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)

The institution's library is well-equipped with both LAN and internet facilities, facilitating easy access to essential books and journals. Cutting-edge software enhances the search process, while the e-library boasts high-speed broadband internet connectivity. A comprehensive open-access system is in place, featuring barcoding for all documents in the central library.

Each department is equipped with its own library, ensuring

convenient accessibility for faculty, students, and research scholars. The utilization of online platforms like IEL provides a gateway to international journals. Distinct reading sections are available for faculty and students, and the library operates beyond regular college hours. To keep abreast of current affairs, daily newspapers, magazines, and journals are subscribed to.

Furthermore, the institution boasts a digital library equipped with 15 computers. This digital repository provides access to course study materials, NPTEL videos, manuscript notes, and advanced learning books. The e-library also offers unlimited access to IEEE transactions.

The institution actively encourages faculty members to pursue teaching and research in their respective areas of interest. Facilities such as extended research laboratory and library timings, along with continuous internet access, are provided to support their endeavors. Faculty members have received recognition and rewards for presenting technical papers in various seminars and conferences organized by external professional agencies

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

B. Any 3 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)

20630993

| 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

150

| 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

The institution boasts a total of 979 computers, featuring configurations with Core 2 Duo/Dual Core and Core i3 processors. The computer-student ratio is 1:2 for PG programs and 1:4 for UG programs. Additionally, there are 230 standalone systems available. All 979 computers are interconnected through a LAN with internet access, and Wi-Fi facilities are extended to both hostels. Licensed software, encompassing both system and application software, is readily available.

In various departments, over 300 computers have internet access. Each department is equipped with intercom facilities, and faculty and students are furnished with domain email IDs. Separate usernames and passwords are provided for Wi-Fi access to faculty and students.

All departments are well-provisioned with computers featuring the latest configurations and operating systems. A robust internet infrastructure with a bandwidth of 70Mbps is accessible for student use in all departments. Faculty members are provided with individual systems and internet access. The institution has a

dedicated department responsible for maintaining both hardware and software.

To stay at the forefront of technological advancements, the institution plans to enhance its IT infrastructure by providing computers with high-speed internet access. There is a vision to implement an e-governance maintenance system within its management information system and to transition classrooms into smart classrooms. Additionally, the institution is set to develop e-learning and multimedia-based educational modules for all courses.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 2366 | 979 |

| 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

B. Any three of the above

| File Description | Documents |
|--|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |
| 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)

1070

| 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.

The institution has designated teams responsible for maintaining the campus greenery and ensuring the overall upkeep of infrastructure, facilities, and equipment.

Emphasizing general hygiene, the institution employs a team of supervisors and sweepers sourced through an external agency. The administrative officer oversees their work, ensuring daily cleaning of floors and corridors. Periodic restroom cleaning and morning and evening road cleaning contribute to a well-maintained environment. Experienced gardeners regularly trim plants and tend to the gardens.

In prioritizing student safety, the institution has engaged an external security agency to provide 24x7x365 security services within the college premises.

All laboratories are meticulously maintained, with zero deficiencies and 0% defects. A stock register is diligently kept to monitor and verify the availability of equipment and infrastructural facilities such as computers, desks, benches, fans, lights, etc. Each department provides an estimated annual

budget for upgrading equipment and acquiring consumables for labs and workshops.

For computer-related installations, checks, and license renewals, the institution has established a dedicated department known as the Computer Maintenance Cell (CMC).

Suggestions and complaints receive active attention from the Planning Office, which reviews them daily and takes immediate action. Issues that require resolution are reported to the principal and management for prompt intervention.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

1745

| 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

138

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

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

| File Description | Documents |
|---|---|
| Link to Institutional website | https://www.velhightech.com/ |
| 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

546

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

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

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

346

| 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

25

| 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

5

| 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

8

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

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

Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College places a strong emphasis on its student council, comprising academically proficient individuals who responsibly manage various student activities. These student representatives play an integral role in decision-making processes, academic committees, and administrative functions, thereby fostering an optimal academic environment. The institution highly values student feedback and actively encourages their participation in enhancing the overall student experience.

Students are encouraged to actively engage with professional society chapters such as IETE, ISTE, CSI, IAENG, SMAI, SAE, IE, and ACM. They are actively involved in numerous institute and department-level committees, including the Class Committee representing each department's students, the Students' Association collaborating with professional bodies, and the Symposium & Conference Committees responsible for organizing departmental events.

Moreover, the college has dedicated Sports and Cultural Committees to promote physical and mental well-being, a Women's Grievance Committee to address women's welfare concerns, and a Student Grievance Committee to monitor canteen quality and address student grievances. Additionally, the Cultural Committee oversees various

student clubs, while the Institution's Innovation Council fosters innovation and research initiatives. The National Service Scheme (NSS) engages students in various service activities, and the Online Course Committee focuses on maximizing the utilization of online courses.

Furthermore, students take the lead in organizing Technical Fests, Cultural Fests, and National Level Sports Fests, actively participating in their planning and execution.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

20

| 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

The Institute has established a registered Alumni Association with the aim of fostering a strong bond between alumni and current students. Alumni actively contribute support through interactions, financial funding, guidance, and assistance with placement opportunities. The mission of the Alumni Association is to cultivate a mutually beneficial relationship between the Institute and its alumni.

Objectives of the Alumni Association include promoting close relations among alumni and between alumni and the Institution, encouraging interest in the Institution's affairs, and initiating programs for alumni benefit. The Association also strives to

support the Institution in obtaining funds for development, serve as a forum for alumni to advance academic excellence, and guide recent graduates in obtaining employment and engaging in productive pursuits for the benefit of society.

The Alumni Association engages in various activities and contributions, including financial donations to assist economically disadvantaged and meritorious students. Alumni actively participate as members in the Board of Studies of all departments. They attend meetings at the college, interact with teachers, and provide valuable suggestions for curriculum revision. Some alumni also contribute by delivering guest lectures to current students on contemporary technological developments and offering career guidance.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

VISION OF THE INSTITUTE

Pursuit of excellence in technical education to create civic responsibility with competency.

MISSION OF THE INSTITUTE

To impart the attributes of global engineers to face industrial challenges with social relevance.

To indoctrinate as front runners through moral practices.

To attain the skills through lifelong learning

The perspective plans of the Institution reflects the vision and mission of the institution in terms of quality technical education, research, contribution to society and creation of enlightened citizen with ethics and values. Governing Council meetings are conducted to review and decide on the action plans in line with the vision and mission of the institution. Based on that, Principal gives instructions to Head of the Departments and other stake holders for attaining quality enhancement of academic, extra and co- curricular activities. HODs discuss with the faculty members and prepare the action plan and will be approved by the Principal. Academic calendar will be prepared by the academic coordinator. HODs execute, monitor and review the process every month and communicate the prevailing activities to the Principal periodically.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

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

Our institute operates in a well-structured decentralized framework, ensuring the effective and efficient functioning. While the Principal, Dr. E. Kamalanaban, serves as the Academic Administrative head, powers are appropriately delegated to various heads and officers. The delegation of responsibilities is as follows:

1. Principal - Dr. E. Kamalanaban: Head of the institution, responsible for executing strategic plans to achieve institutional vision and mission.
2. Academic Dean - Dr. V.R. Ravi and Planning Officer - Mr. A. VishnuKumar: Coordinating with the Principal in academic activities and executing departmental plans for effective teaching and learning processes.
3. Regulatory Authority - Dr. S. Harshavardhan Naidu: Responsible for affiliation and other related regulatory activities.
4. HR Department - Mr. Balaji: Manages human resources for the institution.

5. R&D Cell - Dr. B. Bharathi Raja, Dean: Monitors publishing articles and oversees other research-related activities.
6. Internal Quality Assurance Cell - Dr. D. Yuvaraj, Dean: Formulates and implements quality assurance systems.
7. Heads of Departments (HODs): Responsible for the growth of their respective departments in alignment with departmental vision and mission.
8. Examination Cell (COE) - Dr. S. Govindasami: Manages all academic assessment activities.
9. Training and Placement Officer - Dr. R. Suresh, Dean: Handles all categories of placement activities.
10. Dr. M. Gopinath - Associate Dean (Institute Innovation Cell).
11. Dr. D. YuvaRaj, Dean - Mentoring.
12. Dr. Suresh Kumar, Dean - Institute - Industry Interaction Cell.

| 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://www.velhightech.com/ |

6.2 - Strategy Development and Deployment

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

1. Curriculum Development:

- Conduct annual Program Assessment Committee meetings with academic and industry experts to evaluate feedback from stakeholders.
- Department meetings for assessing Course Outcome, Program Outcome, and Program Educational Objectives.

2. Examination and Evaluation:

- Maintain a structured exam cell with a two-question paper setting pattern.

- Conduct organized evaluation and result analysis, including retest conduction if required.

3. Research and Development:

- Formulate a Research Cell led by the Dean (RD).
- Allocate a budget for in-house R&D activities, providing incentives and rewards for publications/research.
- Offer financial assistance to students for research projects.

4. Library, ICT, and Physical Infrastructure/Instrumentation:

- Regularly update library facilities, ICT, and physical infrastructure.
- Ensure the availability and functionality of instruments.

5. Human Resource Management:

- Maintain transparency through policy documents.
- Follow a transparent and scientific recruitment process.
- Communicate college policies and provide support for academic advancement.
- Implement a systematic performance appraisal system and guidance.
- Establish systematic promotion policies.
- Adopt a democratic administration with participative management.

6. Industry Interaction/Collaboration:

- Establish an Industry-Institution Interaction Cell led by the Dean (IIC).
- Organize regular industrial visits and host guest lectures by industry experts.

7. Admission of Students:

- Facilitate student admissions through single-window counseling conducted by Anna University, Chennai.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://www.velhightech.com/ |
| 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.

The overall administrative aspects of the institution are under the vigilant monitoring of the management. Significant decisions related to developmental plans undergo discussion in Governing Council meetings. The Principal, serving as the academic and administrative head, holds authority over both academic and non-academic activities. Department Heads oversee the academic and administrative functioning of their respective departments, while the teaching faculty manages curricular, co-curricular, and extra-curricular activities. The Physical Director is responsible for overseeing sports activities, and the Librarian handles the procurement of books and maintains library functions. The Exam Cell orchestrates internal assessment tests, model examinations, and end-semester exams. The Placement Cell coordinates campus interviews for final and pre-final year students. The Administrative Officer manages office affairs, and the System Administrator maintains and configures college servers, updates the website, and facilitates online feedback arrangements.

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | https://www.velhightech.com/ |
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

6.2.3 - Implementation of e-governance in

A. All of the above

areas of operation: Administration Finance and Accounts Student Admission and Support Examination

| 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

The institution ensures comprehensive welfare measures for its faculty members, including on-campus quarters and single-occupancy hostel accommodations. Faculty members are eligible for medical leave, and the institute offers daily transportation, breakfast, lunch, and refreshments for all teaching staff. Support for paper publication and patent applications is sponsored, and travel allowances (TA/DA) are provided for attending workshops, seminars, conferences, etc. All employees receive gratuity and Employees' Provident Fund (EPF) benefits.

Fees concession is granted to the children of faculty and staff for admission to any VELTECH group of institutions. Special casual leave ranging from 5 to 15 working days is provided for significant occasions such as an employee's wedding. Additionally, maternity leave is extended to women employees, emphasizing the institution's commitment to the well-being and support of its faculty members.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

221

| 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

48

| 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.)

309

| 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

The organization, being an affiliated institute, does not receive financial support from the state government for its development. Instead, its primary source of income is derived from the tuition fees collected from students. These fees play a crucial role in

covering the institute's annual maintenance and development expenses. The administrative department oversees the collection of tuition fees, which are subsequently deposited into a dedicated bank account. This account operates on a hierarchical transaction model with the support and oversight of the Financial Advisor and CEO of the trust.

Funds from this dedicated account are utilized for various administrative and academic expenses. In addition to academic fees, the institute also charges fees for additional facilities such as hostels, transportation, and food. These fees are allocated under appropriate headings to ensure transparent financial management.

To further enhance the research infrastructure, faculty and students actively leverage their technical skills to participate in sponsored programs, testing/consultancy assignments, and the establishment of research centers/resources. A strategic yearly budget is meticulously prepared, taking into account pay allowances, recurring/non-recurring expenses, and regular maintenance establishment costs.

The budget undergoes periodic monitoring to ensure financial stability and effective resource allocation. At the end of the academic year, an audited account statement is prepared by a chartered accountant, providing a comprehensive overview of the institute's financial activities and ensuring transparency and accountability in financial management.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

0

| File Description | Documents |
|---|---------------------------|
| Annual statements of accounts | 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

The institution mobilizes funding through diverse channels, outlined as follows:

1. **Initial Funding:** The Trust overseeing the institution has provided the initial funding for acquiring physical assets.
2. **Loans:** Nationalized, public sector, or private banks have extended loans to meet the institution's financial requirements.
3. **Tuition Fees:** The primary revenue stream for the college is the collection of fees from students.
4. **Expenditure:** Major expenditures include staff salaries and infrastructure maintenance.
5. **Funding from Central Agencies:** The college secures funding from central agencies like AICTE, DST, etc., specifically for projects, seminars, workshops, and short-term training programs. These funds are dedicated to their intended purposes. Following the conclusion of events, audited statements and utilization certificates are submitted to the respective agencies.

To ensure optimal resource utilization, the institution follows these processes:

1. **Budgeting:** The Planning Department collaborates with Heads of Departments (HODs), teaching, and technical staff to formulate budget proposals based on departmental needs. These proposals are presented to the Principal at the commencement of each financial year.
2. **Budget Approval:** The Principal reviews the budget proposals

and recommends them to the Management for approval.

3. **Sanctioned Budget:** The Management approves the required amount in alignment with the sanctioned budget.
4. **Responsibility of HODs:** HODs of respective departments bear the responsibility of ensuring the proper and judicious utilization of the sanctioned budget.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

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)

Academic Audit: Self-evaluation by institutions is conducted to improve the quality of the teaching-learning process. Academic Audit is a tool used to measure the adequacy of the quality of learning. It involves a regular strategic overview of the college's teaching-learning process. The audit is conducted annually by the Internal Quality Assurance Cell (IQAC) within the college, along with external academic auditors appointed by the college. The IQAC prepares academic audit statements in the prescribed formats.

External auditors, typically experienced academicians from reputed engineering colleges, visit allocated departments and conduct the audit. The external auditor prepares a report and submits it to the Principal. The Principal takes necessary action based on the auditor's observations and ensures that compliance reports are prepared by the respective HODs to enhance the quality of education.

Feedback System: The institution has established a structured feedback system to gather inputs from various stakeholders, including students, parents, alumni, faculty, and employers. The

objective is to continuously refine the curriculum and improve the teaching-learning processes. A closed-loop feedback system is implemented, ensuring feedback is received, analyzed, and consolidated. The feedback reports are prepared to draw conclusions and identify areas for improvement.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

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

Mini-project initiatives serve to cultivate student awareness regarding the significance and utility of project competitions. They aim to bridge the gap between education and research by acquainting students with contemporary trends in research and development. These initiatives foster independent thinking and the generation of innovative ideas among students.

The mini-project program facilitates the acquisition of practical skills and knowledge concerning tools and techniques for addressing real-world issues across diverse sectors, including industry, academia, and computer science research. It enables students to apply their academic insights to real-world products available in the market.

As a component of this initiative, a mini-project contest is organized where students present their projects. The contest underscores creativity, innovation, and societal impact. A distinguished guest, typically a prominent figure in the field, is invited to adjudicate the winners based on these criteria.

Through mini-project initiatives, students are motivated to think creatively, hone practical skills, and establish connections between their academic learning and real-world scenarios. It furnishes them with a platform to showcase their talents and inspires them to contribute meaningfully to society through their projects.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.velhightech.com/ |

| | |
|---|--|
| <p>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)</p> | <p>A. Any 4 or all of the above</p> |
|---|--|

| File Description | Documents |
|--|---|
| Paste the web link of annual reports of the Institution | https://www.velhightech.com/ |
| Upload e-copies of accreditations and certification | View File |
| Upload details of quality assurance initiatives of the institution | View File |
| Upload any additional information | View File |

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution prioritizes security, implementing comprehensive measures since its establishment. The campus is under constant surveillance by security personnel and CCTV cameras strategically placed at key locations. Entry and exit involve thorough physical checks by guards, and the campus is secured by a concrete wall. A core objective is promoting education with a focus on gender equality and sensitivity. The institution maintains gender balance among faculty, with equal opportunities for male and female students. A Women Empowerment Cell addresses grievances, ensuring a safe environment. Various student clubs, including the Women's Empowerment Club, contribute to a vibrant campus life. A

Counseling Cell provides academic and personal support, while local guardians assist students. A disciplinary committee enforces regulations, and a centralized Counseling Cell offers guidance. Regular events promote gender equity, with committees actively monitoring safety and empowerment, including the Anti-Ragging committee. The institution's commitment to security, gender equality, and student well-being is evident through these comprehensive initiatives.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.velhightech.com/ |

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

B. Any 3 of the above

| File Description | Documents |
|--------------------------------|---------------------------|
| Geotagged Photographs | View File |
| Any other relevant information | 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)

Veltech Hightech Dr. Rangarajan Dr. Sakunthal Engineering College has implemented robust waste management strategies centered on the principles of Reduce, Reuse, and Recycle. The college effectively segregates solid waste into biodegradable and non-biodegradable components, recycling the latter while ensuring proper disposal of the former in designated dumping yards. Additionally, the college encourages the use of reusable alternatives to minimize disposable item consumption.

For liquid waste management, the college combines septic tank effluents and canteen wastewater for gardening and irrigation purposes. Laboratory wastewater is treated alongside septic sewage, and wastewater from the Reverse Osmosis (RO) plant is repurposed by mixing it with canteen wastewater as needed.

E-waste management receives significant attention, with the college ensuring responsible handling and disposal of electronic devices like computers, printers, and batteries through proper recycling methods.

Emphasizing the importance of a Waste Recycling System, the college aims to convert waste materials into new products or recover energy from waste in alignment with the principles of Reduce, Reuse, and Recycle.

These comprehensive waste management practices enable Veltech Hightech Dr. Rangarajan Dr. Sakunthal Engineering College to cultivate a sustainable and environmentally-conscious campus environment. By minimizing waste generation, promoting recycling, and embracing responsible practices, the college sets a positive example for the community and fosters an ethos of environmental stewardship among its students and staff.

| 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:

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

C. Any 2 of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres

B. Any 3 of the above

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.

| 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).

Our institution actively fosters faculty and student engagement in diverse associations and cultural activities. A dedicated Physical Director oversees sports and cultural endeavors, managing the gymnasium and yoga center in hostels. The National Cadet Corps (NCC) engages 50 students in socially relevant services, including blood donation camps and awareness programs on topics like Anti-Tobacco, Flood Relief, and AIDS. Culturally, students organize and participate in various activities during the Annual Day celebrations and zonal youth festivals. Initiatives to enhance social and economic relevance include student exposure to presentations, projects, and responsibilities, fostering confidence, problem-solving, decision-making, and leadership skills. Committees like Training and Placement, R&D, and Entrepreneur Development promote holistic development. Skill development services encompass spoken English and technical training, while Personality Development Programs and guest lectures by industry experts enhance communication and soft skills. The institution's sports facilities, diverse certification programs, and initiatives for regional employment contribute to a well-rounded educational experience.

| 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:

Veltech Hightech Dr. Rangarajan Dr. Sakunthala Engineering College places a strong emphasis on instilling constitutional values, rights, duties, and responsibilities in both students and employees. The institution is committed to cultivating responsible citizenship by sensitizing individuals to their civic obligations.

The National Service Scheme (NSS) at our college is geared towards philanthropic initiatives, involving the donation of time and resources to government, charities, and organizations at various levels to aid victims during natural disasters. Ethical values, rights, duties, and responsibilities are integrated into activities such as elocution, debates, and communication lab exercises. Eminent personalities are invited for guest lectures on topics like ethics, values, environmental conservation, and civic responsibilities.

To foster holistic personality development encompassing intellectual, mental, physical, and spiritual dimensions, the institute offers yoga, dance, and music classes. Various cultural programs, competitions, and activities centered around traditions, values, and duties are organized to inspire students. National flag hoisting during festivals, along with talks by distinguished individuals, serves to commemorate the sacrifices of freedom fighters and reinforce the significance of citizens' duties and responsibilities.

| 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,

A. All of the above

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

| 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

Veltech Hightech Dr. Rangarajan Dr. Sakunthala Engineering College is committed to instilling values and a profound sense of nationalism in its students through the vibrant celebration of national festivals and the commemoration of the birth anniversaries of esteemed Indian personalities on campus annually. These celebrations serve as dynamic platforms for a myriad of activities and events.

The college organizes flag-hoisting ceremonies that honor the national flag, symbolizing the unwavering spirit of patriotism among students and faculty alike. Furthermore, the college hosts project exhibitions, poster presentations, walks, essay writing competitions, and elocution contests, fostering active participation and providing students with opportunities to showcase their talents.

To inspire and invigorate both staff and students, the college invites distinguished personalities who deliver motivational speeches on these special occasions. These speeches offer invaluable insights and serve as a wellspring of inspiration for

the entire college community.

Through these celebratory events and associated activities, Veltech Hightech Dr. Rangarajan Dr. Sakunthala Engineering College endeavors to cultivate a profound sense of pride, reverence, and understanding of Indian culture, heritage, and national identity among its students. These initiatives play a pivotal role in fostering a robust sense of nationalism and instilling the values that mold responsible and dedicated citizens.

| 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

The primary objective of our institution is to advocate lifelong learning and underscore the importance of higher education. We are dedicated to empowering parents and students with an understanding of the value of advanced education while facilitating students' growth through practical training. We believe in a proactive approach, prioritizing the creation of a nurturing environment for student development in higher education, guided by the principle that prevention is preferable to cure.

Furthermore, our system is designed to offer a comprehensive overview of various institutional aspects, enabling constructive analysis, decision-making, and future development planning. To realize these goals, our institution has established multiple committees and cells to oversee student activities and provide support across all academic levels.

These committees encompass a diverse range of functions, including managing timetables, monitoring attendance, coordinating departmental associations, offering counseling services, organizing guest lectures and industrial visits, collecting and analyzing stakeholder data, overseeing projects and the Knowledge

Resource Center (KRC), managing alumni relations, promoting women's empowerment, addressing grievances, fostering entrepreneurship, overseeing library resources, managing purchases, and facilitating planning and execution.

Through the collaborative efforts of these committees and cells, our institution endeavors to cultivate an environment conducive to student development, support their educational journey, and facilitate continuous enhancement and strategic planning for future growth and development.

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://www.velhightech.com/ |
| Any other relevant information | https://www.velhightech.com/ |

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)

Our institution is committed to serving as a premier center for knowledge, offering top-tier technical education and driving research to benefit our nation and humanity. We prioritize the provision of cutting-edge infrastructure to ensure outstanding technical education, research opportunities, and industry partnerships that promote innovation.

A specialized research unit supports students with inventive ideas, providing guidance and resources throughout their research journey. We place a strong emphasis on publishing high-caliber research by both students and faculty in reputable national and international conferences and journals. Furthermore, we actively encourage the safeguarding of innovative concepts through patent applications.

To facilitate research endeavors, we furnish dedicated workspaces with high-speed internet connectivity and advanced laboratory facilities. Our esteemed faculty members play a pivotal role in mentoring and guiding students in their research pursuits. Financial aid in the form of seed funding and recognition awards is offered to students to initiate and execute their research projects. We also enthusiastically promote student engagement in government initiatives such as the Smart India Hackathon.

In addition to these efforts, we host annual events like mini-project competitions, symposiums, and conferences to cultivate a culture of research and innovation among students. Through these initiatives, we cultivate an empowering environment where students can explore their research interests, collaborate with industry partners, and contribute to the advancement of knowledge and technology. By championing quality technical education and research, we aspire to make meaningful contributions to societal progress and enhancement.

| File Description | Documents |
|---|---|
| Appropriate link in the institutional website | https://www.velhightech.com/ |
| Any other relevant information | View File |

7.3.2 - Plan of action for the next academic year

1. Obtain Research Center Recognition across all Institution Departments.
2. Achieve Top 100 Placement in NIRF Rankings.
3. Target a minimum of 200 Research Publications in Indexed Journals.
4. Secure at least one Research Grant from International/Central Funding Agencies for each Department.
5. Attain a Top 20 Position in Affiliating University Rankings.
6. Maintain Course-specific Pass Percentage of over 90%, with Overall Pass Percentage exceeding 85%.
7. Facilitate Placement Opportunities for all Students in Renowned Industries.
8. Organize a minimum of one Central Agency-funded Short Term Training Program (STTP) or Faculty Development Program (FDP) for each Department.
9. Establish Centers of Excellence in every Department to Foster Specialized Research and Development.
10. Promote Student Participation from each Department in Project Expos and Strive for Recognition through Awards in National or International Competitions.