



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai
NAAC accredited, 4 Programmes Accredited by NBA

Criteria Number: 7

Criteria Name: **Institutional Values and Best Practices**

Sub criteria Number: 7.1

Sub-criteria Name: **Institutional Values and Social**

Responsibilities

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

Best Practice I

Title of the Practice: Transforming Students into Technically Competent Professionals

Objectives of the Practice:

- To provide a technologically inspiring environment.
- To have strong industry-institute interaction.
- To create learning opportunities in emerging areas.
- To promote competency testing through organizing and participating in technical events and competitions.

Context:

In today's global and competitive environment, the industry needs technically proficient engineering graduates. Having necessary competence by virtue of knowledge and skills in students increases their opportunities of being hired and being successful in their careers.

Practice:

- VCET emphasizes the integration of curriculum with major and minor projects to apply the knowledge gained in practical scenarios. This involves multidisciplinary collaboration and interaction with industry professionals. Also, VCET has student chapters of professional bodies and clubs that organize various technical events. A student activity center has been established to carry out various development activities.
- A dedicated Industry Institute Interaction Cell (IIIC) of VCET strives to interact with industry to increase the institute's footprints in the local and adjoining industries and provide internships, industry visits, etc., thus widening the placement opportunities for the students. VCET's alumni association also helps to strengthen industry connections and placements.



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai
NAAC accredited, 4 Programmes Accredited by NBA

- Student development programs, workshops, hands-on training, and expert sessions on emerging technologies are conducted by Departments, professional student chapters, and Centres of Excellence alongside regular course delivery.
- Technical activities like VNPS, Oscillation, Product showcase, and Hackathon are organized in VCET. These activities are widely attended by the students. Students are motivated to showcase their technical knowledge by participating in various project/innovative-idea competitions, hackathons, paper presentations, autonomous solar vehicle, and racing car design competitions at national and international levels. These technical events also help the students interact with industry and professionals.

Evidence of Success:

The technical competencies of the students are reflected through their outstanding achievements in various facets listed below:

- Five VCET teams have reached the finals of the Smart India Hackathon. Two teams have won in their respective categories.
- A VCET student was part of the runner-up team at the ASEAN India Hackathon 2021.
- A VCET student was runner-up in HackWithInfy, a national-level competition organized by Infosys.
- The VCET Solection Team has consistently won many awards at the national and international level, such as the Innovation Award, the overall championship, Best Design, Best Solar Endurance Award, Future Startup Award, and Light Vehicle BEV Award, among many other accolades.
- The VCET Ethan Team stood 15th out of 75 teams and 13th out of 37 teams across the globe for the years 2020–21 and 2022–23, respectively, at the Formula Bharat competition.
- In the Avishkar Research Conventions, organized by the Government of Maharashtra, 19 student groups have won at the district level, 5 student groups have won at the university level, and 2 student groups have won at the state level.
- 19 student groups have registered copyrights for software applications, and 2 student groups have published their process patents.
- There has been a progressive increase in the number of internships, placements, and packages offered.

Problems encountered and resources required:

- To organize state/national-level technical events, it requires infrastructure, technical support, finance, and the availability of human resources.
- Managing the schedule of the industry expert with the academic schedule is a challenge.



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai
NAAC accredited, 4 Programmes Accredited by NBA

- Keeping students abreast of the rapid advancements in field technology presents a formidable challenge, especially in the presence of a constant influx of new technologies. Efforts are required to identify domain experts from industry and academia.
- Creating awareness among the students regarding the importance of learning and participation in technical events is a challenge.

Best Practices	Particulars	Link
Best Practice 1	Supporting documents	https://vcet.edu.in/NAAC/7/7.2.1_Best_Practice_1_supporting_signed.pdf
	Evidence of Success	https://vcet.edu.in/NAAC/7/7.2.1_Best_Practice_1_Evidence_signed.pdf

Best Practice II



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai

NAAC accredited, 4 Programmes Accredited by NBA

Title of the Practice: Soft Skill Development

Objectives of the Practice:

- To foster effective communication skills.
- To enhance leadership capabilities.
- To cultivate teamwork and collaboration skills.

Context:

It is necessary to empower students from diverse backgrounds for a wide range of career opportunities by harnessing soft skills. Soft skills integrate the various aspects of an individual's life and learning experiences, which cater to personal, professional, and societal needs.

Practice:

- VCET has students from diverse socio-economic backgrounds, each with varying levels of soft skills. Students are assessed at the entry level to identify their learning level and plan the training activities.
- The curriculum integrates courses on communication skills, business communication, professional ethics, mini- and major project report writing, and presentations that are diligently conducted, monitored, and assessed to enhance oral and written communication.
- VCET organizes sessions by experts that involve lectures and participatory activities directed at writing skills, teamwork, and leadership development.
- VCET has multidisciplinary and interdisciplinary professional student chapters, clubs, and cultural and sports committees that organize various. These activities result in the imbibing of important soft skills like leadership, communication, presentation, time management, and teamwork, etc.
- VCET has a literati committee that organizes events such as debate competitions, letter writing competitions, extempore, etc., which gives a platform for the students to test their soft-skill competency.
- The VCET training and placement cell organizes Campus Recruitment Training (CRT) to prepare students for aptitude tests, group discussions, and interviews.
- VCET has procured proprietary software and set up a dedicated language lab for the improvement of the students's language and communication skills.

Evidence of Success:



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai
NAAC accredited, 4 Programmes Accredited by NBA

- Improved interpersonal and communication skills among students through various events such as paper presentations, product showcase, paper publication in conferences, and peer-reviewed journals.
- VCET's annual magazine, 'Vista', contains articles in Marathi, English, and Hindi that are written, selected, and edited by the students.
- Newsletters, technical magazines, and technical blogs are published regularly.
- Students demonstrated leadership, teamwork, and time management capabilities by participating and winning prizes in various competitions for business proposals, innovative idea presentations, paper presentations, project competitions, etc.
- The trend of students pursuing higher studies and securing placement opportunities has shown steady growth.

Problems encountered and resources required:

- Students from diverse backgrounds have different learning levels and capabilities.
- Many students are hesitant to express themselves in front of peers and faculty.
- Many students face difficulty articulating their ideas and have stage fright.
- Writing technical papers, reports, or articles of good academic standard is a challenge for students.

Best Practices	Particulars	Link
Best Practice 2	Supporting documents	https://vcet.edu.in/NAAC/7/7.2.1_Best_Practice_2_supporting_signed.pdf
	Evidence of Success	https://vcet.edu.in/NAAC/7/7.2.1_Best_Practice_2_Evidence_signed.pdf