



## 7.2.1 Describe at least two institutional best practices (as per NAAC Format)

### Best Practices 1

**Title: Empowering Employability skills.**

**Objective:** To enhance and empower the quantitative and qualitative aptitude of the students for effective employability by providing proper training which is required for the placements so as to make them sound not only technically but also make a versatile personality by understanding the needs of industries. To expose students to the recent technologies by arranging regular industry interaction meets which involves a thorough discussion and interaction with HRs of various companies.

#### Context:

A professional course like engineering strives to get a maximum number of its students placed through campus interviews. The increasing competition makes it imperative that apart from regular degrees certain skills are required by engineers. Industries while advertising for various posts even mention essential skills required along with the essential qualification. Various companies involved in the Placement drives in the institute had given the feedback that despite, the student is technically sound, he should be properly trained for the skills which are required for the placements recognizing the need, the student undergoes internship with different industries. Regular industry interaction meets which involved a thorough discussion and interaction with HRs of the various company have helped us to understand the need of having student exposure to the recent technologies. In this context, the institute has signed MOUs with different industries.

#### The practice:

As part of the TPO activities, we conduct various programs to improve the employability skills of our students. We make sure their technical skills are updated and communication and soft skills are in place. In this regard, we conducted Career Guidance Seminars, a Seminar on Improving Employability Skills, and a special initiative on Aptitude and Soft Skills Training, a Seminar on How to prepare for an Interview, a Training Program IMS Training on Aptitude and Soft Skills Training. In order to provide information on Overseas Education, we also conduct short-term programs on Education Abroad. It has been our constant endeavour to make sure our students are updated and possess all the necessary skills that make them successful engineers.

In the AY 2022-23, we have conducted following activities under different MOUs:

Sr. No.	Company Name	Activities in the campus
1	IMB CSRBOX	IBM Skillsbuild Job Readiness Workshops for SE & TE students along with internships
2	TNS India Foundation (JP Morgan)	Soft skills and technical training by JP Morgan
3	Bridgelabz Solutions Pvt. Ltd.	Short term training programs for students
4	Inflow Technologies Pvt Ltd	Python IBM Global Certification for students
5	Anudip Foundation for Social Welfare & Capgemini Technology Services India Ltd	Training on Java and subsequent placement of some of the trained students
6	Gong Labs Private Limited (Coffee.io)	Skill Development and training programs, placement assistance
7	ExceIR Solutions	Skill Development and training programs
8	YBI Foundation	Internships, guest lectures, training programs
9	Campus Corners	Campus Readiness Training Program to improve students' placement quotient and to prepare them for the same
10	Campus Credential	Aptitude and Soft Skill Training



Seminars related to improving Technical Skills, Gate/GRE Preparation, and on Overseas Education are conducted regularly for students. The program included improving Soft Skills, Technical Skills which includes sessions on Machine Learning, Artificial Intelligence, Cloud Computing, Programs to learn Python, Seminars on Cyber Security, Big Data, and Ethical hacking, and Communication Skills, Informing students about various examinations, like GATE, GRE, TOEFL, and IELTS and Entrepreneurship development. VPPCOE & VA facilitates the process of placement of students passing out from the Institute besides collaborating with leading organizations and institutes in setting up of internship and training program of students. The office liaises with various industrial establishments, corporate houses etc which conduct campus interviews and select graduate and post-graduate students from all disciplines. The Training & Placement Office provides the infra-structural facilities to conduct group discussions, tests and interviews besides catering to other logistics. The Office interacts with many industries in the country, which visit the campus for holding campus interviews. The industries which approach the institute come under the purview of: Core Engineering industries IT & IT enabled services Manufacturing Industries Consultancy Firms Finance Companies Management Organizations R & D laboratories. We are happy to state that our institute is designated as the Microsoft Imagine Academy. Overall, it is the vision of the institute that our students are a class apart and we constantly work hard to motivate our students and to make sure they make the requisite industry standards.

**Evidence of success:**

The maximum number of companies visited our campus for Placement Drives including the reputed ones like Cap Gemini, IGATE, Covonix, TCS, L&T Infotech, Mirraw Ariston Capital, Diebold System, Protegrity, Qspiders, Zeus learning, IBM, Amazon, Media.net, and many more. The majority of the recruiters prefer our institute as the venue for the Pool Campus Placement Drives due to our centralized location in Mumbai. It is also our continuing endeavour to better our services towards our ultimate customers, the aspiring engineers of VPPCOE & VA.

**Problems encountered and resources required:**

Lack of attention towards education is one of the major issues faced by the students. The student expects high package but they hardly fight for it, in the ways of their dream they ignore their education and are unwilling to study hard for it. The tendency of Over-expectation in oneself is very high in students without analysing their own capabilities. Another major challenge faced by student is time constraint. The heavy academic curriculum restricts the student from undergoing rigorous training programs which are otherwise organized for them.



## **Best Practices 2**

**Title: Encouraging the innovative ideas of students through participation in Hackathons and promoting a start-up culture in the campus**

**Objective:**

To encourage and motivate the students to implement their technical skill set to solve the real world problems by participating in Hackathon and registering as startups.

**Context:**

Students at VPPCOE & VA are encouraged and motivated to apply their technical skill set in various applications to solve real world problems by participating in contests like Hackathons / Quazar and converting the ideas into startups.

**The practice:**

The Institute Innovation Council and Entrepreneurship Development Cell of VPPCOE & VA continuously encourage students for Innovation and Incubation activities and promote startup activities in the campus. The competitions like Hackathons/Quazar are organized by ED Cell/TPO on college level and National level to help motivate the students towards Entrepreneurship.

**Evidence of success:**

In 2022-23 total six startups were registered and incubated by IIC & ED Cell which are actively working in the campus with their faculty mentors.

**Problems encountered and resources required:**

The tendency of Over-expectation in oneself is very high in students without analyzing their own capabilities. Another major challenge faced by student is time constraint. The heavy academic curriculum restricts the student from undergoing rigorous training programs which are otherwise organized for them.



### **Best Practices 3**

**Title: Encouraging the innovative ideas of students by implementing them in the campus**

**Objective:**

To encourage and motivate the students to implement their technical skill set to solve the real world problems.

**Context:**

Students at VPPCOE & VA are encouraged and motivated to apply their technical skill set in various applications which can help to smooth the activities in the campus.

**The practice:**

The small projects like IoT implementation, web development made by students are publically announced and inaugurated during some events like Shining star awards, HR meet etc. Also the students are encouraged to implement their projects by giving the real world problems in the campus like managing the records of students for campus drives, Website development for selling the paintings made by Applied Arts students, biometric system etc.

**Evidence of success:**

In 2022-23 one student from IT department, Mr. Anubhav Shukla developed a biometric system and software for all the staff. The software keeps the daily records of all the staff along with their leave applications.

One student from AI & DS department developed a website as a mini project which is used as platform for selling the paintings made by the Applied Art student.

**Problems encountered and resources required:**

Lack of attention towards education is one of the major issues faced by the students. The student expect high package but they hardly fight for it, in the ways of their dream they ignore their education and are unwilling to study hard for it. The tendency of Over-expectation in oneself is very high in students without analyzing their own capabilities. Another major challenge faced by student is time constraint. The heavy academic curriculum restricts the student from undergoing rigorous training programs which are otherwise organized for them.