VP-Connect

Department of Computer Engineering
July-December 2023

VP | Vidyalankar Polytechnic

www.vpt.edu.in

Department Vision

To empower students with domain knowledge of computer Engineering and interpersonal skills to cater to the industrial and societal need

Institute Vision

To achieve excellence in imparting technical education so as to meet the professional and societal needs.

Department Vision

● Developing technical skills by explaining the rationale behind learning

Institute Mission

● Developing technical skills by imparting knowledge and providing hands on experience.

● Creating an environment that nurtures ethics, leadership and team building.

● Providing industrial exposure for minimizing the gap between academics & industry.

● Developing the interpersonal skills to serve the society in the best possible manner.

● Creating awareness about the ever changing professional practices to build industrial abilities.

Program Educational Objectives

PEO 1: Provide social responsible environment friendly solutions to computer engineering related broad based problems adapting professional ethics.

PEO2: Adapt State-of-the-art Computer Engineering broad based technologies to work in multidisciplinary work environments.

PEO3: Solve broad based problems individually and as a term member communicating effectively in the world of work.

Program Specific Outcomes

- **Computer Software and Hardware Usage:** Use state-of-the-art technologies for operation and application of computer software and hardware.
- **Computer Engineering Maintenance:** Maintain computer engineering related software and hardware systems.

Program Outcomes

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. **Problem analysis**: Identify and analyse well-defined engineering problems using codified standard methods.

3. **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. **Project Management**: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. **Life-long learning**: Ability to analyze individual needs and engage in updating in the context of technological changes.

From HOD'S Desk – Mr.Vijay Patil

It's immense pleasure to present this semiannually newsletter "VP-Connect". Computer Engineering department is the dynamic and vibrant department with the blend of young and experienced Faculty. I believe that the newsletter will serve as a window through which the complete profile of the academic and cocurricular activities, achievements and progress made during the stipulated period can be viewed. Innovative methods of teaching and learning process are adopted to achieve learning abilities through practise, exposure and motivation. I wish the best for all our staff and students who reiterate their aims at providing the best in academic and extra-curricular fields.
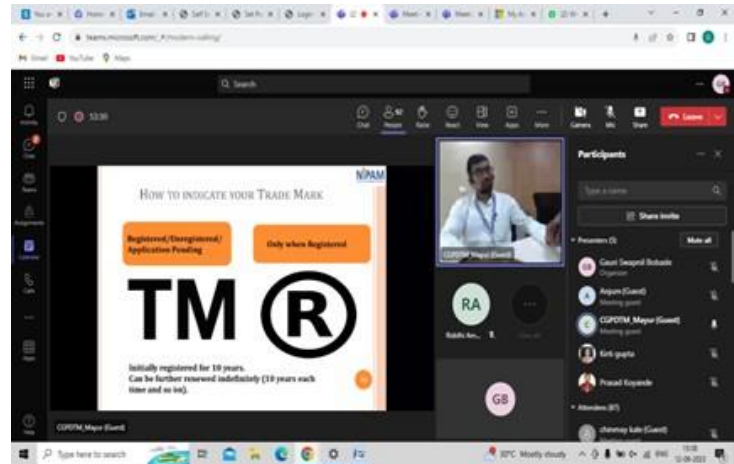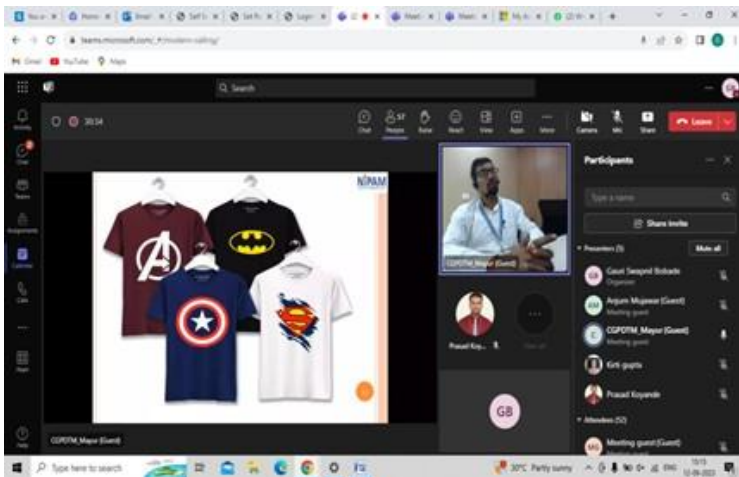
Expert Lecture-Capstone Project Ideas and Orientation 25 July, 2023

Final Year Project Quality Assurance Committee and Industry Institute Interaction Committee had successfully organised an expert lecture – Engineering Capstone Project Ideas on 25th July 2023 for final year students of Electronics and Telecommunication Engineering Program. The objective of this activity was to make students aware regarding the scope of different domains and to have a broader visit in deciding the capstone project topic.

The academic expert Mr. Anjum Mujawar (HOD EJ Department, Head of FYPQA Committee and Technical Head of VP) with an example of designing social distancing I-Card/belt gaveinsight to students regarding the different parameters to be considered and steps to undertake while designing a project. He expounded the latest controllers that are available in market at present and how their latest features can help designing an innovative project.Industry expert Mr. Amar Panchal (Professional Trainer and Consultant) introduced students to the most widely used and researched domain - Artificial Intelligence and elucidated how AI allows machine to work efficiently to solve problems from day-to-day life to intelligent robotcloned just like human brain

Guest Lecture on Intellectual Property Awareness on 12 September , 2023

Research and Innovation committee had successfully organised a guest lecture on "Intellectual Property Awareness" for staff members and students of Vidyalankar Polytechnic.

Mr Mayur Lokhande conducted the online session on IntellectualProperty Awareness which explained unique idea or creation of an individual, as a result of his/her creativity, through various examples. Also he explained the policy where students in schools and colleges and universities, industry clusters and citizens across India as well as rural areas are educated and made aware about their intellectual property rights. This was really very interesting and knowledge enriching session for all staff and students.

Expert lecture on "Data Science and Data Analytics" on 30 September , 2023

Final Year Project Quality Assurance Committee had organised an Expert lecture on "Data Science and Data Analytics" on 30th September 2023 for final year students.

The data Science professional, Mr. Jigar Panchal, Senior Product Analyst -Hacker Rank was invited as a resource person for this expert lecture. The objective of this activity was to make students aware of the ongoing demand for data analytics in industry. The expert lecture mainly focused on the stepwise process of data analysis. The speaker also discussed various companies' case studies which have used data science and data analytics for improving their business decisions and product strategies. The students asked their queries about learning resources and skill set required to design and implement data science features in their final year project.

This expert lecture helped students to get insights into the data science and machine-learning project domain and the designing process.

TEDx Talk Competition *on 13 October, 2023*

The Personality Enrichment Committee organized a TEDx Talk competition at intercollege level for all the students. The aim was to provide a platformfor students to encourage critical thinking, boost confidence and help them develop their public speaking skills.

Each student had to select any one topic out of the four topics and speak for two minutes. There was a large participation of students from different colleges too. Winners were announced at the end of the event and were rewarded with certificates and prizes. All the students who participated were given participation certificates.

We extend our heartfelt thanks to all the contributors and volunteers who made this event possible.