



28th National Conference  
On



# "Battery Electric Vehicle & Related Technologies"

(Online Mode)  
16<sup>th</sup> April 2022

Organized by

**V.P.M's Polytechnic, Thane**



Thane College Campus, Chendani Bunder Road, Thane (WEST): 400 601 Tel No: 25364494. Fax: 25339872 Website : [www.vpmthane.org](http://www.vpmthane.org)

**Vision:-Ensuring Skill Development through Quality Technical Education.**



V.P.M's Polytechnic was founded in 1983 by a group of dedicated and philanthropic visionaries of Vidya Prasarak Mandal, Thane and was subsequently recognized by All India Council for Technical Education (AICTE), New Delhi. Its constant endeavour to impart Quality Technical Education, Institute is one of the self financed polytechnics in the Mumbai sub region to get all the Four eligible Diploma Programs accredited by NBA, New Delhi for the period of Three years w.e.f 19/03/2004. Presently all the Diploma Programmes are Re-accredited by a National Board of Accreditation, New Delhi ,i.e. IE/IS valid upto 30/06/2019 and CO/EP/IF valid upto 30/06/2023.

The Polytechnic has received the Best ISTE Chapter Award in 2009 and Best Polytechnic Award twice in the year 2009 and 2015 and ISTE Best student chapter award in 2021. The polytechnic is recognized in Promising band in ARIIA 2022 & also got 4 stars for this acc yr. V.P.M's Polytechnic has always taken initiative in providing platform for open discussion on subjects of National interest. Institute has successfully organized 27 National Level Conferences latest technology till date.

## About Department

**Mission:** Empowering the students with the best knowledge in Electrical Power Systems by innovative Learning methodologies

- Year of Start : 1983
- Year of First AICTE Approval: 1994
- Accredited by NBA First time: June 2004 -07
- Reaccredited: June 2016-18
- Extension of Reaccreditation: June 2019- 20
- Reaccredited: from June 2020
- AICTE grant MODROB project: 2005
- Best ISTE Chapter Award 2009, 2015
- Best Lab Award for Machine Lab: 2014
- Best Lab Award for Measurement Lab : 2015
- Department hosted 3 National Conferences in 2005, 2012 & 2017. Organized 3 CUTP & 1 FDTP, Project Institute - Lab Manual. I-Scheme STPP Competition with the sponsorship of MSBTE.

## Organizing Committee

**Convener**

**Dr. D.K. Nayak**

Principal, VPM's Polytechnic Thane

**Organizing Secretary**

**Mrs. R.U. Patil (M-9870115358)**

I/C Electrical Power System Dept.

Email id: [rupatil@vpmthane.org](mailto:rupatil@vpmthane.org)

**Organizing committee**

**Mrs. Surbhi Shroff (7387439027)**

Lecturer, Electrical Power System

**Mrs. Rujuta Kambli (9689871526)**

Lecturer, Electrical Power System

**Mrs. Geethi P (9930543274)**

Lecturer, Electrical Power System

**Mrs. Siddhi Reelkar (8552052421)**

Lecturer, Electrical Power System

## Patrons

**Dr. V. V. Bedekar**

Chairman, Vidya Prasarak Mandal

**Dr. Abhay B. Wagh**

Director, DTE, Maharashtra State,

**Shri P.A. Naik**

Jt. Director, DTE Mumbai RO

**Dr. Vinod M. Mohitkar**

Director, MSBTE, Mumbai

**Dr. M.R. Chitlange**

Secretary MSBTE Mumbai

## ❖ **ABOUT CONFERENCE**

In order to face the future mobility challenges in terms of impact on environment and depleting fuel stocks, **Electric Vehicle** technology is being explored as the effective mode of transportation. The automotive industry across the globe is gearing up for **Battery Electric Vehicle** technology. So, there is bound to be requirement of skilled manpower in the domain of Battery Electric Vehicles. This conference aims to introduce the participants about our next mobility transportation- battery electric vehicle & its related technology

A **Battery Electric Vehicle** (BEV) exclusively use electric motors and motor controllers instead of internal combustion engines (ICEs) for propulsion. They derive all power from battery packs and thus have no internal combustion engine, fuel cell, or fuel tank. The main objective of the conference is to contribute towards a healthy and stable environment.

### **KEY AREAS COVERED**

- Technology used BEV
- Battery management system, Motor controllers
- Converting ordinary bicycle into BEV
- BEV charging and the grid
- Roll of Engineer in BEV.

## ❖ **E - POSTER PRESENTATION COMPETITION**

- The E-Poster Competition will be organized on the topics given in key areas for the students. Submit your poster on given submission link before 20<sup>th</sup> March 2022.
- Only individual participation allowed.
- The winners will be awarded with E-Certificate.

### **Guidelines For Making E- Poster**

- Poster should be original.
- The poster must be made on the A3 size sheet
- The topic of poster and theme should be clearly mentioned at the top margin of the Poster.
- Name and college name must be clearly mentioned on the right-hand side bottom of the sheet.
- Online registration is compulsory for each participant.
- Audio clip (not more than 10 MB) of 2 min explaining contents of poster to be sent along with poster.
- The Poster is to be submitted online in PDF/JPEG Format (not more than 1 GB) only.

### **Judgment Criteria**

Judgment will be based on: Relevancy to the topic.

- ✓ Originality.
- ✓ Artistic composition. Creativity.
- ✓ Message conveyed by the poster.
- ✓ Effectiveness in communicating intended message through Audio Clip.

## ❖ **IDEA PITCHING**

- Delivering a short, punchy proposal of your idea is a vital piece of the entrepreneurial puzzle.
- Individuals or group of 2 students can participate.
- The proposed idea should adhere to the topic "Battery Electric Vehicles & Related Technologies."

### **Judgement Criteria**

- ✓ Innovation Quotient.
- ✓ Practicality.
- ✓ Sustainability.
- ✓ Quality of presentation.

### **Guidelines For Idea Pitching**

If your idea is innovative in its concept

- Describe your idea in writing (BE CONCISE! 500 characters or less) Word file should contain Introduction, Problem Statement, Implementation and Future scope.
- Record & upload your pitch (not more than 3 minute) on given submission link upto 20<sup>th</sup> March 2022
- Short listed entries will be invited for presentation & Competition.

## ❖ **REGISTRATION**

- No registration fee. Last date for registration 20<sup>th</sup> March 2022
- Registration link for Conference <https://forms.gle/uPJVdzNUjir1wsJ5A>
- Registration link for E- Poster Competition and Idea Pitching Competition <https://forms.gle/iGLJDMrb989dr2eTA>
- Submission link for E Poster Presentation Competition <https://forms.gle/YscEyhX6yiwBkk2F7>
- Submission link for Idea Pitching Competition <https://forms.gle/ZSoqX2PkHLbGV2PQ7>

### **FOR REGISTRATION CONTACT DETAILS**

- Mrs. Geethi P - 9930543274
- Mrs. Siddhi Reelkar - 8552052421
- E-mail ID : [vpmpolyconference2022@gmail.com](mailto:vpmpolyconference2022@gmail.com)