

## Proposed topics

The recent research and developments in the following area will be focused during the seminar:

- **How can electric vehicles enable the energy transition in India?**
- **What are the key benefits of electric vehicles over ICE vehicles?**
- **How environmentally friendly are EVs and businesses important for the development of electric vehicles?**
- **Need for E-Mobility and its types**
- **Modern Electric, Hybrid Electric and Fuel Cell vehicles**
- **Battery Technology**
- **Latest research & development in E- vehicle.**
- **Challenges and opportunities for Indian market**

## Organizing Committee

### Chief Patron

**Dr. Shrikant J Wagh,**

Principal, Gujarat Power Engineering and Research Inst.

### Coordinators

**Prof. Sumit Kumar**

**Prof. Alpesh Joshi**

**Prof. Vivek Patel**

### Advisory Committee

Prof. Rajesh Patel (GPRI)

Dr. Sandip Trivedi (GPRI)

Dr. Bhargava Mujumdar (GPRI)

Dr. Rajesh.S.Patel (PDP)

Dr. Ghanshyam G. Tejani (GSFC University)

Dr. Jatin Patel(PDP)

## Registration

**Link:** <https://goo.gl/forms/QLbgGN3iBQf5L2Bp2>

**Limited Participation – First Come First Serve Basis**

Registration Starts: January 01, 2019

Last date of Registration: March 10, 2019

**Registration Charges:**

Participants	Fee
Students	Rs 300/-

Faculty from Academia Rs 500/-

Industry Professionals Rs 800/-

Registration charges include tea, lunch, snacks and registration kit. Registration fee can be paid through check or demand draft in favour of **Gujarat power engineering and research Institute** payable at **Mehsana**. Registration charges are non-refundable. Spot registration facility will also be available (only with prior approved cases). Registration forms are also available on Institute website: **www.gperi.ac.in**

For online payment option, student coordinators may be contacted.

## Travelling and accommodation

Participants are required to make their own arrangements for travelling and accommodation. No accommodation facility is available inside campus. Please contact student coordinators for accommodation facilities near campus.

## Address for Correspondence:

### Coordinator

Prof Sumit Kumar, Prof Alpesh Joshi, Prof. Vivek Patel

Department of Mechanical Engineering

Gujarat Power Engineering and Research Institute

Ahmadabad-Mehsana Express Way,

Mehsana-384460

+91-9782294253

Email:[sumit.kumar@gperi.ac.in](mailto:sumit.kumar@gperi.ac.in)

### For Queries Contact:

Student Coordinator

Mr. Dishant Sheth

M: +91 8160519250

## How to Apply

The applicants are required to submit completely filled registration form (Hard Copy/Soft Copy) along with registration fees. Participants should send their demand draft/cheque along with registration form (Hand written, Typed, Printed or Xeroxed) to **Administration department, Gujarat Power Engineering and Research Institute, near Mehsana toll booth, Ahmadabad-Mehsana Expressway, Mehsana-384460. Maximum number of participant limits up to 40.**

## Three Days' Workshop

On

**“Potential Need for Electric Vehicles, its Future Challenges and opportunity for the Indian Market”**

On

**14<sup>th</sup> -16<sup>th</sup> March, 2019**

Co-ordinators

Prof. Sumit Kumar

Prof. Alpesh Joshi

Prof. Vivek Patel

Organized by

Department of Mechanical Engineering  
Gujarat Power Engineering and Research Institute



&

Sponsored by



Department of Science & Technology  
Government of Gujarat

## About the Institute

Gujarat Power Engineering and Research Institute (GPRI) established in the year 2011 by **Gujarat Power Corporation Limited** (PPP mode) under the directive of Department of Technical Education, Government of Gujarat. The pioneer vision of GPRI is to be a internationally renowned Institution by imparting excellent education and training based upon modern industry and research needs. This objective is being addressed through a number of specialized and well planned under-graduate energy education programs funded by GEDA, GUJCOST and UGC. With intense research initiatives, GPRI has established of solar energy center of excellence, Anchor institute. Industries Commissionerate, Government of Gujarat; Siemens Industries Software (India) Pvt. Ltd.; Designtech Systems Ltd., India; and Gujarat Power Engineering and Research Institute (GPRI), Mehsana have jointly established "Centre of Excellence (CoE) in Industrial Automation" for skill up gradation of Engineering students and professionals of this regime. These centers will provide the state of art the training to skilled and semiskilled workers, platform to conduct research in cutting edge technology on energy systems, Automation and Manufacturing technology.

## About the Department

The Department of Mechanical Engineering is the REFLEX of GPRI. Well experienced faculty members involved in teaching and research areas like Dynamics and control, Electric vehicle Technology, Structural Optimization, Exergy-economic Optimization, Design of Heat Exchangers, Water Desalination, Alternate Fuels, Solar Thermal Systems, Combustion and Computational Modelling are the pillars of department. The department offers opportunities to its student to carry out projects and internships in MNCs and R&D Centres across India in areas: Thermal and Fluids Engineering, Design, Manufacturing, Industrial Engineering etc. COE is fully equipped with high tech machinery lab on NX, Mechatronics, Rapid Prototyping, Automation and Instrumentation.

## About Mehsana

Mehsana is a city and municipality in Mehsana district of Gujarat. It is well connected by rail and road network from

Raipur, Ahmadabad and Gandhinagar via NH-43. This Place is famous for Sun-Temple and Shanku's Water Park.

## About the Seminar

The world is moving towards E-Mobility. Battery powered cars would give out no emissions whatsoever would be much lighter, more easily maneuverable and controllable. Fossil fuels will not last too long. E-Mobility is the need of the time necessitated mainly by environmental issues. However India's electric vehicle industry is a newly born baby when compared with other countries like US, China & Europe etc. But a face change is definitely anticipated for India's EV industry with major thrust given by the government. People awareness a must to future growth market of EV's in India. However it still has to overcome some significant barriers to gain social acceptance and obtain appreciable market penetration

Attending this course will

- Bring together established experts from industry as well as academia, students and professionals from multidisciplinary departments to discuss on E-mobility and its future prospects in various industries in India.
- Benefit to the faculty and researchers by familiarizing themselves with the state of the art in E-mobility and Electric vehicle technologies and planning long-term research programmes. For working engineers and scientists, the programme will open up new vistas for the application of Electric vehicle to the problems that they are currently facing and also they can identify topics for future research and development. Ultimately, the main purpose of the Workshop is to raise awareness amongst the technical people (Industries, universities, decision makers, students etc) of the potential of Electric vehicle in Indian market.

## Who should attend?

- Academicians from Schools and Universities
- Research Scholars
- Industrial Professions
- Government Officials
- Interested individuals
- Representatives of NGO's in similar area

## Registration Form

### A Three Days' Workshop

On

**"Potential Need for Electric Vehicles, its Future Challenges and opportunity for the Indian Market"**

On

**14<sup>th</sup> -16<sup>th</sup> March , 2019**

Organized by

Department of Mechanical Engineering  
Gujarat Power Engineering and Research Institute

Full Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization with address: \_\_\_\_\_

Academic Qualification: \_\_\_\_\_

Experience (Yrs): Teaching \_\_\_\_\_ Industry \_\_\_\_\_

Phone (official): \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Name of the Bank/DD or Cheque No: .....

Signature of Applicant