

Executive Organizing Committee

Patron

Prof, Sunil Khanna
Director SOT

Organizing Committee

Dr. Brijesh Tripathi, SOT, PDPU
Mrs. Vima Mali, SOT, PDPU

Registration fees

Participants	Fees
Students	Rs. 2300
Faculty Member/ Scientist	Rs. 3000
Industry Representative	Rs. 3500

The registration fee includes the cost of training material and participation charges.

Please register through this link:

<https://forms.gle/NmkxJKY9WASxX8yJ7>

Important Dates

Last date of Application : 19-11-2019

About the Electric vehicle

Electric vehicle drives offer a number of advantages over conventional internal combustion engines, especially in terms of lower local emissions, higher energy efficiency, and decreased dependence upon oil. Electric Vehicles could represent a sustainable technology path. Electric vehicles are the future of transportation. Electric mobility has become an essential part of the energy transition and will imply significant changes for vehicle manufacturers, governments, companies, and individuals.

With the emergence and drastic shift of IC to EV which has brought a lot of new technological challenges for the country. Being the responsible part of the community, we're addressing the critical challenges and bringing the awareness through our Two Days day "Knowledge Improvement Program (KIP)" on "Electric Vehicle Technology: Powertrain Architecture Design, Components and its Applications".

Key Features

- Lecture cum Demonstration
- Hands on training
- Certificates for Participants

CALL FOR PARTICIPATION

Two day workshop
on
Electric Vehicle Technology:
Powertrain Architecture Design,
Components and its Applications

22-23 Nov., 2019

Organized by



Department of Electrical
Engineering & Department of
Science, SOT
Pandit Deendayal Petroleum
University
&
Autobot Engineers India Pvt. Ltd.

REGISTRATION FORM

**Two day workshop
on
Electric vehicle powertrain design and
development
22-23 November 2019
Pandit Deendayal Petroleum University,
Gandhinagar, INDIA**

Name: _____

Sex: _____ Male / Female

Date of Birth : ____ / ____ / ____

Designation: _____

Affiliation: _____

Highest qualification: _____

Mailing Address: _____

Tel: _____

E-mail: _____

Date: _____ Signature of Applicant

Endorsement of Head of
Department/Institute with official seal

Details of Workshop

The PREREQUISITE

- Basics of Motor and its functionality
- Basics of Electrical and Electronics
- Fair knowledge on recent EV product specifications

SYLLABUS

- Electric powertrain – Motor, controller and battery
- Motor types, architecture, performance
- Battery types, chemistries, pack design
- BMS overview and functions

LEARNING OUTCOME

- Understanding the concept of EV/HEV technology
- Knowledge to differentiate ICE vs EV/HEV
- Understanding the output and performance of Motors.
- Knowledge development on EV/HEV Powertrain technology and its key components
- Accommodation of power sources for electric vehicle.
- Learn how to build Li-ion Battery Pack.
- Learn what is BMS & its functions in Battery Pack.

Contact Details

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About the University

Pandit Deendayal Petroleum University (UGC recognized) has been established by the Gujarat State Legislative Act in 2007. The University offers programs to address the need for trained human resources in the domains of Science, Technology, Management and Humanities. It intends to broaden the opportunities for students and professionals to develop core subject knowledge which are duly complemented by leadership training interventions, thereby helping the students to make a mark in the global arena.

Department of Electrical Engineering

Department of Electrical Engineering (EED) was established in 2010 since the inception of School of Technology, PDPU. EED offers B.Tech., M. Tech. with specialization in power systems and Ph.D. programs. The department has state-of-art laboratories with modern equipment and software package so that the students have better opportunity to learn practical aspects of engineering problems.

Department of Science

Department of Science as a part of School of Technology since 2011, is actively engaged in research and teaching in the frontier areas of Chemistry and Physics. The department offers Ph.D. program in Chemistry & Physics and B.Sc. (Hons.) programme in Chemistry and Physics . The Department of Science has well equipped laboratories with advanced analytical and computational facilities. Department has taken an initiative for setting up 'State of Art Analytical laboratory.