
ORGANISING COMMITTEE

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Chair:
Dr. S. Chandramohan
Professor & Head, Dept. of EEE

Co-ordinators:
Dr. C. Sharmeela
Associate Professor
Dept. of EEE

Dr. M. R. Swaminathan
Associate Professor
Dept. of Mech. Engineering

VENUE
EDISION X HALL
Department of Electrical and Electronics Engineering,
CEG, Anna University, Chennai.

Important Dates

Submission of application: 15.09.2019
Intimation of selection: 18.09.2019
Confirmation by participants: 20.09.2019

CO-ORDINATORS

Dr. C. Sharmeela
Associate Professor,
Dept. of Electrical & Electronics Engineering
Anna University, Chennai – 25

Dr. M. R. Swaminathan
Associate Professor
Dept. of Mechanical Engineering
Anna University, Chennai – 25

CEG, Anna University, Chennai in association with Haritha Techlogix, Bangalore

Anna University was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained therefrom, it fosters cooperation between the academic and industrial communities. Anna University is of the affiliated type and is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Center for Engineering Education (UICEE).

The College of Engineering Guindy (the oldest Technical Institution in India, started by British in 1794) was first to introduce B.E. course in Electrical Engineering (1932). This year, the College of Engineering, Guindy has entered into its 225th year of celebrations. The Department of EEE has been a pioneer in the field of Electrical and Electronics Engineering, with core Research and Development in Power Apparatus and Systems for many decades. The Department offers one UG programme in full time and one in part time (for practicing engineers), six PG programmes in full time and three in part time. Ph.D. research programme in full time and part time is offered in the various PG specializations of Electrical Engineering.

Anna University in collaboration with Ryerson University, Canada has established an Urban Energy Centre (AU-RU UEC) in December, 2011. AU-RU UEC mainly focuses its research on Power and Energy Management, Smart Grids, Energy Storage, Distributed Generation and Electric vehicles.
**BACKGROUND AND OBJECTIVES**

Environmental concerns due to emissions and the depleting fossil resources are turning the attention of the automobile manufacturers and the public towards renewable sources like solar and wind which are carbon emission free. Conventional engines in the automobiles are replaced by battery and electrical motors which can be designed to seamlessly suit the powering requirements with suitably designed power converters. The important components of the system are the battery charging stations which have AC or DC inputs from the grid network or directly from the RES, batteries in the vehicles, converters and electric motors. The government is encouraging research in EV due to the advantages with monetary benefits to the manufacturers and users.

**Workshop Highlights**

- Refresher Session on Basics of Electrical and Electronics
- EV & HEV Components and Architectures
- Batteries for Hybrid Vehicle System Application
- Battery Management Systems
- Fundamentals, Performance and Control of
  - Brushless DC Motors
  - Synchronous Machines
  - Reluctance Machines
  - Induction Machines
- Hardware elements of the power electronics
- Safety, Testing, Regulations and Standards
- Vehicle Dynamics Control of Electrified Vehicles
- Modelling and Simulation of Electric and Hybrid Vehicles in Matlab/Simulink Environment
- Case study of Toyota Prius / Chevrolet Volt Honda Civic / Tesla Models Development

**REGISTRATION FORM**

Department of Electrical and Electronics Engineering
College of Engineering, Anna University
Chennai-600025

**Two Days Workshop on Electric Vehicle Technology**

11.10.2019 and 12.10.2019

FILLED IN REGISTRATION FORM TO BE SENT TO:
E Mail: eeeeecg2019@gmail.com

**Eligibility**

This program will be open to all Research Scholars, Faculty Members and delegates from Anna University and other institutes.

**Registration Details**

Registration Fee: Rs.1000/- per delegate
(Lunch, Tea/Snacks and Participation Certificate will be provided)

The DD should be drawn in favour of
"The Head of the Department, Department of EEE, Anna University, Chennai - 600 025",
Payable at Chennai.

**Declaration**

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of Anna University sponsored program.

Place: Date: Signature of the Applicant

**SPONSORSHIP CERTIFICATE**

This is to certify that -----------------------------is a regular employee of our Institution and is hereby sponsored for the two day work shop at DEEE, CEG, AU, Chennai-25. He/She will be permitted to attend the course for the entire duration if selected.

Place: Date: Attestation by the Principal/HOD with Seal

**RESOURCE PERSONS**

Mr. P. Prasanth Kumar
Chief Technical Officer, Electric Mobility Division
Haritha TechLogix Pvt. Ltd., Bangalore

Dr. C. Sharmeela, Associate Professor
Dept. of EEE, CEG

Dr. G. Nagarajan, Professor
Dept. of Mechanical Engg, CEG

Dr. M.R. Swaminathan, Associate Professor
Dept. of Mechanical Engineering, CEG