

ABOUT ANNA UNIVERSITY, CHENNAI

Anna University was established on 4th September, 1978 as a unitary type of University. It offers higher education in Engineering, Technology, Architecture and Applied 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.

AU is ranked with NAAC: A++ 3.54/4, NIRF Ranking 2023: Over all 18; University: 14; Engineering: 13; Research: 13 WUR-Engg. & Tech: 289, South Asia: 26, SDG 9-Industry, Innovation & Infrastructure: 101-200

The University was formed by bringing together and integrating four University Campuses:

- ♦ College of Engineering
- ♦ Alagappa College of Tech.
- ♦ Madras Institute of Tech.
- ♦ School of Architecture & Planning

In addition, Anna University also consists of 4 Regional Campuses located at Coimbatore, Madurai, Tiruchirapalli, and Tirunelveli, 13 University Colleges of Engineering spread across Tamil Nadu, 9 Government College of Engineering and 480+ affiliated Engineering colleges for extending academic activities in Engineering and Technology sector.

PROGRAMME OBJECTIVE

This 2 Days Workshop on "Smart Electric Vehicle Design" aims to facilitate teaching fraternity & aspirants on industry practices in this domain essential for design of next generation EVs. The workshop topics extends knowledge sharing in the Electrical & Mechatronics design aspects using software & Hardware integrations for development of smart EV. The course content will be rich inclusive of discussions from industry resource persons to carry forward the training experience for the benefit of training & guiding students towards their placements or entrepreneurial career choice in the EV industry.

MAJOR TOPICS OF DISCUSSION

- ♦ EV Introduction & Design Calculation
- ♦ Power Converter Design - Simscape Design
- ♦ Motors for EV & Simscape Design
- ♦ Battery Management Design - MATLAB Simulation
- ♦ Mechanical aspect for EV
- ♦ EV Integration, Fabrication & Analysis
- ♦ Performance Analysis of BLDC Hub Motor - Real time
- ♦ 4 Wheeler EV Drive Cycle Analysis

KEY FEATURES

- ♦ 10+ Hours of Learning
- ♦ Curriculum Designed by Academicians & Industry personals
- ♦ Learn while you Do! Learn by Practicing!
- ♦ 5+ Development Projects
- ♦ Mentor Assisted Learning
- ♦ Community Forums - Doubts

Two day Workshop on Smart Electric Vehicle Design

06th & 07th October 2023

Coordinator

Dr. P. Vanaja Ranjan
Director, CFPD

&

Dr. D. Ganesh
Professor, Department of Mech. Engg.



JOINTLY CONDUCTED BY

Centre for Faculty &
Professional Development

&

Department of Mech. Engg.
CEG Campus, Anna University
Chennai - 600 025.

Registration form

Name (in capitals) :

Gender :

Qualification :

Designation :

Department :

Experience (in years) :

Institution :

Address for Communication:.....

.....

E-mail :

Phone (Off.) :

Mobile No. :

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 programme.

Date: Signature of the Applicant

Certificate from Head of the Institution/organization

Dr./Mr/Mrs/..... is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the two day workshop, if selected.

Signature with seal HoD

INFORMATION TO THE PARTICIPANTS

- ♦ There is no registration Fee for attending the FDP
- ♦ Faculty members from Engineering colleges Affiliated to Anna University institutes & Research Scholars (of University Departments)
- ♦ Participants requested to bring fully powered laptop with atleast MATLAB 2019 for hands-on training.
- ♦ Registration: Scanned copy of registration form duly signed by HoD need to be uploaded through google form
- ♦ Confirmation about the selection will be intimated through email
- ♦ FDP will be conducted in physical only
- ♦ 100% attendance is compulsory to issue the certificate

Online Registration Link:

<https://forms.gle/Ud9Y1oEwjWJkePnM9>

ADDRESS FOR CORRESPONDENCE

The Director
Centre for Faculty &
Professional Development
Anna University
Guindy, Chennai – 600025.
Phone. No: 044-22358217 / 8218

ORGANIZING COMMITTEE

Chief Patron : Dr. R. Velraj
Vice Chancellor
Anna University

Patron : Dr. J. Prakash
Registrar i/c
Anna University

Dr. L. Suganthi
Dean, CEG
Anna University

Chair : Dr. P. Vanaja Ranjan
Director, CFPD
Anna University

Dr. V. Adaikkalam
Addl Director, CFPD,
Anna University

Co-Chair : Dr.S.Balasivanandha Prabu
HoD, Dept. of Mech. Engg.

Co-ordinators: Dr. P. Vanaja Ranjan
Director, CFPD

: Dr. D. Ganesh
Professor
Dept. of Mech. Engg.

IMPORTANT SCHEDULE:

Last Date Submission of
Application : 30-09-2023
Intimation of Selection : 04-10-2023