

REGISTRATION FORM

Sir/Madam

I am interested in attending the Two Weeks on line

Faculty Development Programme on

“Trends & Challenges in EV Ecosystem”

Name:

Designation:

Department:

Academic Qualification:

Specialization:

Institution:

Address of the Institution / Organisation:

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Mobile No:

Email ID:

Date & Place:

Applicant's Signature

Signature of the HoD / Principal

E certificate will be provided

Ms. A.V. Suganya

Assistant Professor / EEE

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Ms. Jitha Varghese

Assistant Professor / EEE

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KCG

COLLEGE OF TECHNOLOGY

A unit of Hindustan Group of Institutions



AICTE SPONSORED

Two weeks online

Faculty Development Programme

Trends & Challenges in EV Ecosystem

Dates:

01 Jan 2022 to 13 Jan 2022

Organized by

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Registration Link: <https://forms.gle/wtc8N7ajkkW45b4r7>

www.kcgcollege.ac.in

EV ECOSYSTEM

About the College

KCG College of Technology (A unit of Hindustan Group of Institutions) was found in 1998 to fulfil the vision of Founder - Chairman, Dr. K.C.G. Verghese "To make Every Man a Success and No Man a Failure". The College is affiliated to Anna University, Chennai and approved by AICTE, New Delhi. The College offers twelve undergraduate programmes and four postgraduate programmes. Six under-graduate programmes (EEE, ECE, IT, MECH, CSE & AERO) have permanent affiliation under Anna University. Four Under-graduate programmes - Computer Science and Engineering, Electronics and Communication, Information Technology & Mechanical Department

are accredited by National Board of Accreditation (NBA). The college is accredited by NAAC with A+ grade. The college has been listed in the 201-250 rank among the Engineering institutions in India by the National Institutional Ranking Framework (NIRF). Five departments - CSE, ECE, EEE, Mechanical Engineering and Physics - has approved Research centres by Anna University to offer Ph.D programme. The campus of KCG College of Technology is beautifully landscaped in a lush green stretch of land spread over 38 acres at Karapakkam which is about 10 km from Adyar on the Old Mahabalipuram Road, the IT corridor of Chennai.

About the Department

The Department of Electrical and Electronics Engineering (EEE) has been functioning since 1998. The Department offers undergraduate programme in Electrical and Electronics Engineering and postgraduate programme in Power Electronics and Drives. The Department is recognised as Research Centre for pursuing research under Ph.D. programme. The Department won AICTE-CII National award for "Best Industry Linked Electrical Engineering and Allied Institute" in 2017 & 2020. The Department has set up state of the art laboratory for Power System Protection and Power Electronics under Grant-in-Aid of DST-FIST and AICTE - MODROB scheme. To improve the employability skills of the students, the Department provides NSDC, MSME, Siemens and General Electric (GE) skill training certification courses.

Insights of the programme

- ✓ Introduction to Electric Vehicles Architecture and Technologies
- ✓ Storage Technologies and Energy Management used in Electric Vehicles
- ✓ Application of Power Electronics and Control Systems in EVs
- ✓ Modelling and simulation of Electric Vehicle and Hybrid Vehicles in MATLAB / Simulink Environment
- ✓ Scheduling of EV charging and Safety of EVs
- ✓ Impact of Electric Vehicles on Grid Quality
- ✓ Future Technology in EV

Objectives of the programme

- ✓ Explore the recent trends and challenges in the area of Electrical Vehicles
- ✓ Analyse the use of different power electronic converters, Inverters and motors in electric vehicles
- ✓ Understand the use of different battery systems used for electric vehicles and the appropriate technologies and controls in EVs
- ✓ To develop and promote research interest in applying different techniques to solve critical problems in EV.



RESOURCE PERSONS

Eminent speakers from premier institutes like IIT's, NIT's, State Universities and Industry will deliver the lectures.

ORGANIZING COMMITTEE

Chief Patrons

Dr. Elizabeth Verghese, Chairperson, HGI

Patrons

Dr. Anand Jacob Verghese, Director & CEO, HGI

Dr. Annie Jacob, Director

Co-Patrons

Dr. Deiva Sundari P, Principal

Organizing Secretaries

Ms. A.V. Suganya, Assistant Professor / EEE

Mr. Jitha Varghese, Assistant Professor / EEE

Convenor

Dr. Anuradha T, Professor & Head / EEE

