INVITED SPEAKERS

Dr. Tomy Sebastian, Director. Motor Drives Systems and President IEEE industry applications society– Halla Mechatronics, USA.

Dr. P. Sanjeevikumar, Prof / Energy Technology Alborng University, Denmark.

Dr. K. Sudhakar, CEng (India) Faculty of Mechanical Engineering, University Malaysia Pahang.

Dr. Gobbi Ramasamy, Associate Professor, Multi Media University, Malaysia.

Dr. S. Jeevananthan, Professor / EEE Pondicherry Engineering College, Puducherry.

Dr. K. Shanti Swarup, Professor / EEE Indian Institute of Technology, Madras.

Dr. S. Baskar, Professor and Dean (R&D) / EEE Thiagarajar College of Engineering, Madurai.

Dr. S. Venkatanarayan, Professor / EEE K.L.N. College of Engineering, Madurai.

Dr. B.V. Manikandan, Senior Professor / EEE MEPCO Schlenk Engineering College, Sivakasi.

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

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- ***Certificate will be provided to participants who attend all sessions***

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BACKGROUND OF THE INSTITUTION

Kamaraj College of Engineering and Technology (KCET), Virudhunagar is a self-financing autonomous institution established in the year 1998 by a group of philanthropists at Virudhunagar in Tamil Nadu, named after the great leader and son of the soil, "Karmaveerar K. Kamarajar". The Institute is accredited by National Assessment and Accreditation Council (NAAC), Bangalore with 'A' grade. KCET offers 11 UG Programs and 6 PG programs. Five departments (ECE, CSE, PT, MECH & BT) are provisionally accredited by NBA, New Delhi. Seven departments (BT, PT, EEE, ECE, MECH, PHYSICS & CHEMISTRY) have been recognized as Research centers by Anna University, Chennai. In 2020, National Institutional Ranking Framework (NIRF) Ministry of Human Resource Development ranked Kamaraj College of Engineering and Technology in the rank band of 251 – 300. As per the AICTE initiative of conducting survey on Industry Linked Technical Institutes 2018, the Confederation of Indian Industry (CII) rated our Institute with GOLD category in score band of 10 - 30.

ABOUT THE DEPARTMENT

Vision "To make the Department of Electrical and Electronics Engineering of this Institution the unique of its kind in the field of Research and Development activities in this part of world".

Mission "To impart highly innovative and technical knowledge in the field of Electrical and Electronics Engineering to the urban and unreachable rural student folks through Total Quality Education".

The Department of Electrical & Electronics Engineering was established in the year 2002. It offers UG programme in Electrical and Electronics Engineering and PG programme in Power Systems Engineering. The Department has Research Center approved by Anna University, Chennai and offers Ph.D. programme. The Department has obtained Permanent Affiliation from Anna University, Chennai for the UG program. The department has recently received funds worth 49 lakhs for Research projects, MODROBS, STTPs from funding agencies such as AICTE, DST, IE (India), TNSCST etc.

OBJECTIVE OF THE PROGRAM

The program focusses on imparting knowledge to participants in the evolution and design of Electric Vehicles (EVs), especially in Indian Context with real time experience from academic experts of Indian and Foreign Universities. This program will concentrate technology associated with each component of EV drive train and economics of EVs and battery systems.

EXPECTED OUTCOME

At the end of this program, participants will be able to teach the courses like electric vehicles, smart grid, etc. Further, they will be equipped with the skills to undergo research projects related to EVs and also guide students.

TOPICS TO BE COVERED

- ✓ Introduction & Working Principle of Different Types of Electric Vehicles
- ✓ Different types of Charging Technologies in Electric Vehicles
- ✓ Battery Technologies in EV
- ✓ Motors for Electric Vehicles
- ✓ Power Converters for Electric Vehicles
- ✓ Energy Management in Electric Vehicles
- ✓ Optimization Techniques for plug-in hybrid Electric Vehicle (PHEV)
- ✓ Introduction to Smart Grid and Micro Grid Technology
- ✓ Challenges in Modern Power System
- ✓ Future Trends in Electric Vehicles

ELIGIBILITY (Who can attend?)

All teachers in areas of technical education in AICTE approved institutions and industrialists are eligible to participate. Selections will be based on First Come First Serve.

IMPORTANT DATES

- ➢ Last date for registration: 2nd September, 2020
- ➢ Intimation for selection: 4th September, 2020