ORGANIZING COMMITTEE

Chairman

Mr. R.Mahesh Kumar, Secretary

Patron

Dr. S. Senthil, M.E., Ph.D., Principal

Coordinator

Dr. D. Prince Winston, M.E., Ph.D.,
Prof & Head / EEE, Cell: 9976799833

Co-coordinator

Dr. B. Gurukarthik Babu, M.E., Ph.D.,
Asso. Prof. / EEE Cell: 9159466181

Course Outcomes

- Provide insights into the global energy crisis and analyze the impact of fuel price volatility on economies and sustainable development.
- Explore recent advancements in Electric Vehicle (EV) and Hydrogen Fuel technologies, including design, efficiency, storage, and infrastructure challenges.
- Promote research and innovation in clean and sustainable energy solutions, encouraging participants to contribute to emerging energy technologies.

KEY HIGHLIGHTS OF THE EVENT

1. 12-Day International Conference focusing on future energy solutions
2. 24 Industrial Experts from leading energy and automotive sectors
3. In-depth sessions on Electric Vehicles & Hydrogen Fuel Technologies

OBJECTIVES

This Faculty Development Program focuses on addressing the challenges posed by the global energy crisis by promoting sustainable and innovative energy solutions, particularly in Electric Vehicles and Hydrogen Fuel Technologies.

1. To explore advancements in EV and Hydrogen technologies
2. To understand the impact of energy crisis and fuel volatility
3. To promote research in clean and sustainable energy
4. To strengthen industry–academia collaboration

Who can attend?

Assistant Professors/Professors / Associate Professors / Ph.D. Scholars/ PG students

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).

ATAL

AICTE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes

ATAL SPONSORED TWO WEEK FACULTY DEVELOPMENT PROGRAM ON

Powering the Future Amid the Energy Crisis: Advancing Electric Vehicles and Hydrogen Fuel Technologies in an Era of Oil and Gas Volatility

30th November - 12th December , 2026
Timings: 9.00 a.m to 5.00 p.m



ABOUT THE INSTITUTION

Kamaraj College of Engineering and Technology (KCET), established in 1998, is a self-financing autonomous institution approved by AICTE and affiliated to Anna University, Chennai. The college offers 9 UG and 2 PG programmes and is recognized as a Research Institute. Accredited by NAAC, with seven NBA-accredited UG programmes, KCET is ranked 28th in India's DQ-CMR Employability Index. It received the Best Engineering College Award (South India – Industry Interface, 2022) and is recognized as a SIRO by DSIR, New Delhi.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering, established in 2002, offers UG and PG programs with NBA accreditation. Recognized as a Research Centre by Anna University, it promotes research in renewable energy and power systems. Supported by funding from DST, AICTE, and MSME, the department emphasizes innovation, industry collaboration, and quality education.

TOPICS TO BE COVERED

1. Electric Vehicle Technologies and Trends
2. Battery Technologies and Energy Storage Systems
3. Battery Management Systems (BMS)
4. Charging Infrastructure for Electric Vehicles
5. Smart Grid Integration with EVs
6. Renewable Energy Integration in Transportation
7. Hydrogen Production Technologies
8. Hydrogen Storage and Distribution Systems
9. Fuel Cell Technologies and Applications
10. Hydrogen-Powered Transportation Systems
11. Energy Efficiency and Sustainability Strategies
12. Impact of Oil and Gas Volatility on Energy Sector
13. Policy, Regulations, and Future Energy Roadmaps
14. Industrial Applications of Clean Energy Technologies
15. AI and IoT in Energy Management Syste
16. Future Trends in Sustainable Mobility a Energy Systems

RESOURCE PERSONS

1. Dr. N C Shivaprakash, Professor / IISC, Bangalore
2. Er. K. Raja Sekar, Sr. Engineer / (C-DAC), Bangalore
3. Dr. S. Senthil Kumar, Professor / NIT, Trichy
4. Dr. D. Prince Winston, Professor and Head / EEE, KCET, Virudhunagar
5. Dr. S. Kumaravel, Professor / NIT, Calicut
5. Er. B. Sridhar, CEO / Zenifytech, Virudhunagar
6. Dr. K. Kadirvelu, DRDO - DIA CoE, Coimbatore
7. Dr. R. Karthikeyan, Professor and Head / VCET, Hyderabad
8. Dr. Marshal R, Scientist / ICER, New Delhi
9. Dr. S. Charles Raja, Professor / TCE, Madurai
10. Er. Kesavan A, CEO / Quantanics, Madurai'
11. Er. S. Selva Kumar, Chief Engineer / Power Projects, Chennai
13. Dr. S. Kalyani, SME / L & T Edutech, Chennai
14. Er. R. Jeyakumar, Mahindra Automotive, Madurai
15. Dr. S. Deva Kirubakaran, Assistant Professor /SRMIST, Chennai
16. Er. Lakshmanan Annamalai, Vice President / TVS Eurogrip, Madurai