



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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EE001

NBA Accredited
(CSE, ECE, EEE,
MECH, CIVIL)**ROLE OF ARTIFICIAL INTELLIGENCE IN RENEWABLE ENERGY SYSTEMS AND ELECTRIC VEHICLES"**

Event No	EE001
Organizing Department	Electrical and Electronics Engineering
Associate Dept. NSC	Artificial Intelligence and Data Science
Date	05/10/2023 to 06/10/2023 (2 Days)
Time	10:00 AM to 04:30 PM
Event Type	Seminar
Event Level	Dept. Level
Venue	Thanam Hall
Registration Link	https://forms.gle/2p2VcrB5yF3Tbcz4A
Total Participants	95
Faculty - Internal	5
Faculty - External	20
Students - Internal	10
Students - External	60

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Ashok kumar	Professor	PSG College of Technology, Coimbatore	askipsg@gmail.com	xxxxxxxxxx
2	Resource Person	Karpagam GR	Professor	PSG College of Technology, Coimbatore	Grk.cse@psgtech.ac.in	xxxxxxxxxx
3	Resource Person	Saroja S	Professor	National Institute of Technology	activeroja@gmail.com	xxxxxxxxxx
4	Resource Person	SivaSankari TP	Founder	AR4TECH	sankari@ar4-tech.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Karthick A	Convenor
2	Sankar Ganesh S	Convenor

Outcome

Understand the fundamental concepts of AI and its applications in renewable energy and electric vehicles. Explore the benefits of AI in optimizing renewable energy systems and enhancing electric vehicle performance. Discuss real-world examples and case studies of AI-driven solutions in these industries. Examine the challenges and ethical considerations associated with AI integration in energy and transportation.

Event Summary

The Department of Electrical and Electronics Engineering & Department of Artificial Intelligence and Data Science, KPR Institute of Engineering and Technology, Coimbatore jointly organized DST- Science and Engineering Research Board (SERB) sponsored two-day National Level Technical Seminar on the "Role of Artificial Intelligence in Renewable Energy Systems and Electric Vehicles" (RAIRÉE'23) during 5th and 6th October 2023. The event started with registration from the various engineering colleges. A total of 84 participants are registered for the event and participated. Dr.A.C. Sumathi Head-AI &DS welcomed the gathering.

Dr.K.Mohanasundaram Head-EEE, discussed the theme of the seminar. Dr. M Ramasamy, Principal, Presented the special address and felicitated the chief guest Dr. Ashok Kumar L Professor of the Department of Electrical and Electronics Engineering PSG College of Technology, Coimbatore. Dr. Ashok kumar presented the inaugural address of the seminar. The session started with the Dr. Ashok Kumar L Professor Implications of AI in Electric Vehicles. Followed by the Dr . Karthick Alagar Associate Professor-EEE delivered the talk on Energy forecasting of Building integrated Photovoltaic system. Dr. Sankar Ganesh S, Associate Professor-AI&DS, delivered talk on AI based Renewable Energy Forecasting using Python. Mrs. Sivasankari T P, Founder, AR4 TECH, Coimbatore delivered “Electric Vehicles Conversion System”. Day 2 starts with Dr. Saroja S, Assistant Professor Department of Computer Application National Institute of Technology, Tiruchirappalli delivered talk on EV charging station location selection using AI. The Lab visit to KPRIET - L&T Experience Engineering, Centre of Excellence for Electric and Hybrid Vehicles is coordinated by Mr. Yuvaraj S, Assistant Professor (Sr. G.)-CE and Dr. Arpit Anil Panwar, Assistant Professor (Sr. G.)-MI respectively. Valedictory session by Dr. Karpagam GR, delivered the talk on Cousins of AI for industry 4.0 and beyond. Vote of thanks by Dr. Karthick Alagar Associate Professor-EEE



Objectives of the Seminar
The program on the Role of Artificial Intelligence (AI) in Renewable Energy Systems and Electric Vehicles (EVs) will be a unique opportunity for participants to gain insights into the performance, efficiency, and integration of renewable energy sources and electric vehicles into the energy ecosystem.

Important Dates
Launch Date for Registration: 30.09.2023
Extension of Subjection: 03.10.2023

Registration Fee
₹ 2000 (Includes: Seminar Fee, Refreshments, Certificate, Transportation and Hotel Charges)
Participants are requested to fill out the registration form and pay the fee to the following account:

Registration Link
<https://scm.in/RAR>

Scan QR to Pay

DST SERB Sponsored
Two Days National Level Technical Seminar
On
Role of Artificial Intelligence in Renewable Energy Systems and Electric Vehicles (RAIREE'23)
05th & 06th October, 2023

Organizing Committee
Chief Patron: Dr. K. M. Ramasamy, Chairman, KPR Institute
Patrons: Dr. M. Ramasamy, Principal, Dr. K. Mohanasundaram, Head, EEE, Dr. S. Sankar Ganesh, Head, AI&DS
Convener: Dr. A. Arpit Anil, Sr. G., Assistant Professor, EEE, KPR Institute of Engineering and Technology, Avinash Road, Aravur, Coimbatore

Contact Details
Organizing Authority: Dr. A. Karthick, Sr. G., Assistant Professor, EEE, KPR Institute of Engineering and Technology, Avinash Road, Aravur, Coimbatore

Co-located by: Electrical and Electronics Engineering & Artificial Intelligence and Data Science

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