

Objective of the Programme

The topic of the faculty development programme "Research Perspectives: Renewable Energy in Electric Vehicle Charging" relates to issues involved in Electric Vehicle (EV) charging. Researches are going on in the field of power electronics converter design for effective and fast charging technology. The renewable energy systems will play an important role in the sustainable development of charging technologies for EV. Recent development in this field has proved that the energy system including new and renewable energy sources is feasible. The promotion of renewable sources of energy is a high priority, for security and diversification of energy supply, environmental protection, and social and economic cohesion. Application of renewable energy sources can result in successful operation of delivering power with zero carbon emission. This programme will enlighten the faculty members on application of non-conventional energy sources for charging, Battery technologies and standards to be followed.

Topics to be covered

- Integration of new and Renewable Energy Technologies
- Soft Computing Technology in RES
- Power Electronic Converters for EV Charging
- Issues in charging stations for Electric Vehicle
- Energy storage Technologies
- Standards in Fast charging technology
- Thermal management systems

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Registrations are to be done in ATAL website:

<https://atalacademy.aicte-india.org/login>

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**AICTE TRAINING AND LEARNING
(ATAL) ACADEMY**

FDP
on

Research Perspectives: Renewable Energy in Electric Vehicle Charging



22nd – 26th November 2021

Sponsored by

**All India Council for Technical Education
New Delhi**



ORGANISED BY

**SRI RAMAKRISHNA
INSTITUTE OF TECHNOLOGY**

(An Autonomous Institution)

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Department of Electrical and Electronics Engineering

About the INSTITUTION

Sri Ramakrishna Institute of Technology (SRIT) is an autonomous and one of the leading technical institutions of the prestigious SNR Sons Charitable Trust, Coimbatore. SRIT was established in the year 2002, approved by AICTE and affiliated to Anna University. The College offers 6 UG and 3 PG Programme . All the UG programme are accredited by NBA. The institution also secured 'A' grade in NAAC. Being located in a beautiful environment surrounded by hillocks, SRIT has excellent infrastructure, dedicated faculty, able supporting personnel, State of art Laboratories, State of art Library and well-connected Transport system. Dr. M. Paulraj at the helm of affairs as Principal of SRIT administers the academic and research growth of the Institution.

About the DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2002 and Accredited by NBA. The Department has been strengthened by the experienced and well qualified senior professors and other dynamic faculty members. All the faculty members are equipping their students to excel in their career and guide them to grab the opportunity to work in diverse establishment like Electricity Board, Power generation, Instrumentation, measurement and Control area. The department has well established Electrical Machines, Power System Simulation, Power Electronics, Solar and control System laboratories with the State of Art Computing facilities by having more than 50 Computers packed with latest versions of ETAP, labVIEW, MATLAB, MATHCAD, and PSCAD/EMTDC software. The department is equipped with all modern instruments and teaching aids to enable the students to master the basics. The department is headed by Dr.C.R.Hema, M.S,Ph.D.

About ATAL ACADEMY



AICTE Training And Learning (ATAL) academy is established with the objective of planning and helping in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. It has a vision to empower faculty to achieve goals of Higher Education such as access, equity and quality. Atal Academy has completed around 1005 FDPs in 2021-22 alone and about 96,000 faculties have benefitted from these FDPs.



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