NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI.

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering the needs of manpower in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in 2003 and renamed as National Institute of Technology.

NIT-T was registered under Societies Registration Act XXVII of 1975. National Institute of Technology Trichy is one of the 31 National Institutes of Technology established by the Government of India. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty-one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments. About 6200 students are enrolled in the institute and around 220 faculty members are employed in regular positions. NIT-T is ranked top among 31 NITs in India and is presently occupying 10th position in NIRF ranking, MHRD India. The Institute aims at benchmarking with global universities who are in the top 200 in world rankings in terms of teaching, innovation and research, funding and internationalisation.

SPARC

The Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India’s Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world from 28 selected nations to jointly solve problems of national and/or international relevance. The scheme enables productive academic cooperation in the areas including Joint Research Projects, Exchange of faculty and students, Joint Degrees, by supporting the following critical components that can catalyze impact making research, namely: (a) Visits and long-term stay of top international faculty/researchers in Indian institutions to pursue teaching and research (b) Visits by Indian students for training and experimentation in premier laboratories worldwide, (c) Joint development of niche courses, world-class books and monographs, translatable patents, demonstrable technologies or action research outcomes and products (d) Consolidation of Bilateral cooperation through academic and research partnerships through Workshops in India, (e) Publication, Dissemination and Visibility through a high profile annual international Conference in India and (f) training of researchers and students. So far, 658 proposals have been approved under SPARC in two phases. This workshop is a part of our SPARC project that got sanctioned in phase II.

Five-day Workshop
on
“Renewable Energy based Electric Vehicle Technology”
(HYBRID MODE)
11th – 15th March, 2024

Organised by

Electrical and Electronics Engineering
National Institute of Technology
Tiruchirappalli, Tamil Nadu – 620 015
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING - NITT

The Department of Electrical and Electronics Engineering, NIT, Tiruchirappalli was started in the year 1964. It offers one Under-Graduate programme (B.Tech.), two Post-Graduate programmes (M.Tech. in Power Systems and Power Electronics) and also research programmes (M.S. and Ph.D.) in the various fields of Electrical and Electronics Engineering. After the institute became NIT, the department has grown not only in terms of student and faculty strength, but also in improving the laboratory facilities for the teaching and research purposes. Thus, the department has dedicated and state of the art teaching / research laboratories.

The department is recognized for excellence in research (First Department in NIT-T to be accorded QIP status for Ph.D. programme), teaching and service to the profession. The faculty members have strong sense of responsibility to provide the finest possible education for both graduate and undergraduate students. The academic strength of the faculty is reflected by the alumni, many of whom are in the top echelons of industry and academia both in India and abroad.

SCOPE OF THE WORKSHOP

The objective of the workshop is to give an insight into the different perspectives of supplying quality electric energy through Wind Energy Conversion Systems to feed Electric Vehicle Charging Stations. It is structured such that the participants would get a proper sequence of topics to be enlightened to design a charging station powered by Wind Energy Systems.

MAIN THEMES OF THE WORKSHOP

The workshop is articulated to cover the following main themes:
Insight into
• Electric Vehicle Technologies
• Renewable Energy Resources
• Solar PV System
• Wind Energy Conversion Systems
• Energy Storage Technologies
• Power Electronic Converters
• Digital Controllers

MODE OF DELIVERY AND REGISTRATION

• No registration fee
• The lectures will be delivered through Webex and the link will be sent to the registered participants through email.

RESOURCE PERSONS

• Faculty members from NITT
• Professor Jayashri Ravishankar, University of New South Wales (UNSW), Australia
• Dr Yuchen Zhang, Faculty of Engineering, Queensland University of Technology, Australia

ACCOMMODATION

The participants are expected to make their own arrangements for accommodation for in person participation.

CO-ORDINATORS

Dr. M. Venkatakirthiga Professor/EEE
Dr. P. Raja, Associate Professor/EEE

For any queries contact:
Ms Divya Bharathi 9791893656

Five-day Workshop on

“Renewable Energy based Electric Vehicle Technology”

11th – 15th March, 2024

REGISTRATION FORM

1. Name (in block letters) : .................................................................
2. Designation: ............................................................................
3. Organization: ............................................................................
4. Address for Communication: ..........................................................
6. E-mail id : .............................................................................

Registration category (Tick the boxes as per your category). Delegate from

☐ Academia
☐ Industry

COMMUNICATION

The candidates are requested to fill the google form for registration on or before 3.00 p.m. of 09.03.2024

https://docs.google.com/forms/d/e/1FAIpQLSdBIvcpGPOmdJA0fiRaid7Ly47PvAs5Fxhx9kvEDtT4DD7fA/viewform?usp=pp_url

The filled in registration forms and any other query may be sent to sparcwsmvkpr@gmail.com