

Online Course module on Electric Vehicles and their Ecosystem

February/March, 2022



Scheme for Promotion of Academic and Research Collaboration



Organized by: Department of Electrical Engineering

Course Module

This course module aims to address the key issues related to Electric vehicles and their Ecosystem. This is an excellent opportunity for researchers, faculty members, students and industry persons to update with the recent trends in Electric vehicles and their Ecosystem. This online course module will provide a convenient platform for interaction, sharing knowledge and information. This course module consist of expert lectures and discussions related to various topics of Electric Vehicles and their Ecosystem. Few of these topics include....

- Advanced machines for Electric vehicles
- On board chargers
- Conductive Battery Charging Systems
- DC Fast charging
- Power control strategies

Schedule: The series of Expert lectures are scheduled for 5 days which is spread in between 14th Feb-4th March 2022. The timing of the lectures will be from 3:30 pm (IST) onwards.

14th Feb, 2nd March and 4th March: Dr. Teng Long

15th Feb and 18th Feb: Dr. Richard McMahon

15th Feb: Dr. Santosh K Singh

2nd March: Dr. N.K. Swami Naidu

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 proposes to enable productive academic co-operation by supporting the critical components that can catalyze impact making research. The expected outcomes include tangible results for improved world reputation and ranking of Indian Institutions.

IIT (BHU) Varanasi

The Indian Institute of Technology (Banaras Hindu University), Varanasi owes its existence to the founder Mahamana Pandit Madan Mohan Malaviyaji, who created the first comprehensive residential university of India. Since its inception in 1919, the Institute has maintained high academic standard. Presently IIT (BHU) has 18 Departments and Schools, consisting of around 350 Faculty members. The student strength of the Institute is more than 6600 including 4700 undergraduates, 860 Master's and 1050 PhD scholars. The concepts like Tinkering lab and Exploratory projects motivates the undergraduate students with creativity and new ideas. There are numerous facilities and research centres in the institute including Central Instrument Facility, Design Innovation Centre, Design Innovation Hub, Centre for computing and Information Services, Supercomputing centre, Incubation centre, and IDAPT Hub.

Organizing Team

Patron

Prof. Pramod Kumar Jain
Director IIT (BHU) Varanasi

Advisory committee

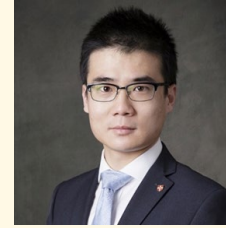
Prof. Vikas Dubey, Dean (R&D)
Prof. R.K. Pandey, Head of Deptt.
Prof. S.P. Singh
Prof. R.K. Srivastava
Prof. R.K. Mishra
Prof. R. Mahanty
Prof. D. Singh
Prof. M.K. Verma
Prof. R.K. Saket
Dr. Kalpana Chaudhary
Dr. S.K. Singh
Dr. R. K. Singh
Dr. V.N. Lal
Dr. S.R. Mohanty
Dr. Sandip Ghosh
Dr. J. C. Pandey
Ms. Sobhita Meher
Dr. Shyam Kamal
Dr. N.K. Swami Naidu
Dr. Avirup Maulik
Dr. Chinmaya K A
Dr. Maria Thomas

Speakers



Prof. Richard McMahon
Professor of Power Electronics
WMG, University of Warwick
United Kingdom

Dr. Teng Long
Electrical Engg. Division
University of Cambridge
United Kingdom



Dr. Santosh K Singh
Department Of Electrical Engg.
IIT (BHU) Varanasi
India

Dr. N K Swami Naidu
Department Of Electrical Engg.
IIT (BHU) Varanasi
India



Registration

Certificate will be given to the Registered Participants

For Registration click on the link below
<https://forms.gle/PZMWqf7bbXMzKbB2A>

Please Register on or before **13th Feb, 2022**

For any Queries please contact :

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Under the aegis of



Scheme for Promotion of Academic and Research Collaboration



सत्यमेव जयते

Ministry of Education
Government of India