



One-Week Short Term Course on

POWER SYSTEM RESTRUCTURING & RENEWABLE ENERGY INTEGRATION (PSRREI) 5.0

(Theme: Modelling and Design of Solar Powered Electric Vehicle)

11th Aug 2023 – 18th Aug 2023

Organized By

Electrical and Electronics Engineering Department



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

A-4, Paschim Vihar, New Delhi-110063

Technical Partner



The Institution of Engineering and Technology (IET)

Training Partner



CHIEF PATRON

Hon. Dr. Vishwajeet Kadam
Secretary, Bharati Vidyapeeth Pune

PATRONS

Prof. (Dr.) Dharmender Saini
Principal
BVCOE, New Delhi

HEAD OF THE DEPARTMENT

Prof. (Dr.) Kusum Tharani

COURSE COORDINATORS

Dr. Sudha K :
+91- 9711436646
(sudha.k@bharatividyaapeeth.edu)
Mrs. Shashi Gandhar
:+91-9873864878
(shashi.gandhar@bharatividyaapeeth.edu)

ORGANIZING COMMITTEE

Prof. (Dr.) Abhishek Gandhar
Mrs. Shashi Gandhar
Dr. Sudha.K
Dr. Sandeep Sharma
Dr. Sandeep Banerjee
Dr. Neeraj Kumar
Dr. Bharat Singh
Dr. Shalabh Kumar Mishra

STUDENT COORDINATORS

Rohan Singhal :+91-9811422393
Akash Chauhan::+91-9205567289

PARTICIPATION

The Short Term Course (STC) is open to full time faculty members of AICTE/UGC recognized degree level engineering colleges/institutions, technical universities and other research/ training institutions. The course is also open to technical staff, research scholars, PG/UG students, practicing engineers and policy makers from utility and industry.

Registration fee:

Internal Participants: No Fee

External Participants: Rs.1000/-

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSd5YM1OE_RNEkDFW00YLMMudKueI5ZLKlnm_ywYNffntUjeDw/viewform

ABOUT THE INSTITUTE

Bharati Vidyapeeth's College of Engineering, New Delhi was established by late Dr. Patang Rao Kadam in 1999. It has strived to provide the best engineering education to its students through well qualified and dedicated faculty members and provision of well-equipped modern labs. The college is affiliated to Guru Gobind Singh Indraprastha University, New Delhi and approved by All India Council for Technical Education (AICTE), Ministry of HRD of India. The college is aligned with the mission "Social transformation through dynamic education" and is therefore committed to attaining global standards where knowledge is the key driving force in the rapidly changing globalized economy. BVCOE provides a platform for budding researchers to achieve their rightful place in the scientific community.

ABOUT THE DEPARTMENT

The department of Electrical & Electronics Engineering was established in the year 2003. The department is NBA accredited. The primary objective of the department is to impart quality education in a teaching-learning environment to the undergraduate students in the area of Electrical & Electronics Engineering. The department has distinguished faculty and well equipped hardware and software lab facilities. Besides academics, the department emphasizes on the holistic growth of the students by regularly organizing various activities and events like expert talks, industrial visits, symposiums, conferences and many more.

VISION AND MISSION OF DEPARTMENT

To gain and bestow contemporary technical education and encourage research in the Electrical & Electronics Engineering domain to produce industry-oriented and socially responsible graduates.

DM 1: To provide quality technical education in the area of Electrical and Electronics Engineering.

DM 2: To develop a research-based learning environment for students to help them evolve in the emerging fields of engineering.

DM 3: To promote collaboration with academic experts and industry experts for introducing graduates to the latest technological advancements.

DM 4: To cultivate social-responsibility in graduates for maintaining a professional outlook while exercising ethical and moral reasoning.

RESOURCE PERSONS/TRAINING PARTNER

Technical Partner



Mr. Bhawani Singh
Senior Operational Manager

Mr. Tabish Ezaz
Project Engineer



Vision Automation Solutions
(Hands on Training Partner)

SCOPE AND OBJECTIVE

The STC on the topic “Emerging Trends in Power System Restructuring” will offer a unique opportunity to learn and orient the faculty and students in an appealing way. This platform will provide quality education which will be meaningful in the work place as well as in research and development oriented career. The program has been developed with unique approaches to convey information about the ‘National Electric Mobility Mission Plan (NEMMP) 2020’ to make a major shift to electric vehicles and to address the issues of national energy security, vehicular pollution, and growth of domestic manufacturing capabilities.



COURSE CONTENTS

- ✚ Introduction to Solar-Integrated Electric Vehicles
- ✚ Components and working principles of Electric Vehicles
- ✚ Battery technologies and charging systems.
- ✚ Solar Integration Technologies for Electric Vehicles
- ✚ Electric Vehicle Charging Infrastructure
- ✚ Designing of Solar Golf Cart
- ✚ Industrial Visit

INTRUCTIONS TO THE PARTICIPANTS

1. The sessions will be focused on hands on trainings.
2. Participants have to attend all sessions. Attendance is mandatory.
3. The host institution will make all software and hardware arrangements for participants.
4. Google meet link and other instructions for quiz/test will be shared through email of participants.
5. For any other queries please mail/contact course coordinators.

