



Training Program on Smart Distribution System and Storage

28 April - 02 May, 2023

Venue: PBCEC Classroom, Visitors' Hostel, IIT Kanpur
Course program



Day 1: 28 th April 2023	
08:30 AM – 09:00 AM	Registration in front of PBCEC Classroom
09:00 AM - 09:45 AM	Inauguration
09:45 AM - 10:45 AM	Smart Grid Overview – Dr. Ankush Sharma, IIT Kanpur
10:45 AM - 11:45 AM	Overview of Synchrophasor Technology - Dr. S. Chakrabarti, IIT Kanpur
11:45 AM - 12:00 PM	Tea Break
12:00 PM - 01:15 PM	Framework for resilient operation of overhead power distribution network - Dr. Prabodh Bajpai, IIT Kanpur
01:15 PM - 02:15 PM	Lunch
02:15 PM - 03:30 PM	PBCEC - Interaction with startup (Physical)
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 05:00 PM	PBCEC - Interaction with startup (Online)
Day 2: 29 th April 2023	
09:15 AM - 10:30 AM	Grounding in distribution system – Dr. Alok Ranjan Verma, IIT Kanpur
10:30 AM - 11:45 AM	Renewable Integration and Interfacing Converters - Dr. Olive, IIT Bhubaneswar
11:45 AM - 12:00 PM	Tea Break
12:00 PM - 01: 15 PM	TSO-DSO coordination - Dr. A. R. Abhyankar, IIT Delhi
01:15 PM - 02:15 PM	Lunch
02:15 PM - 03:30 PM	Visit to Smart Grid Control Centre/ RTDS Lab and Testbed Visit
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 05:00 PM	RTDS Lab and Testbed Visit/ Visit to Smart Grid Control Centre
07:30 PM - 09:00 PM	Course Dinner
Day 3: 30 th April 2023	
09:15 AM - 10:30 AM	Future Smart Distribution Networks integrating Renewables, Energy Storage and Microgrid – Dr. S. C. Srivastava, Director IIT Kanpur-La Trobe Research Academy
10:30 AM - 11:45 AM	Urban Field Pilot: An Overview - Mr. A. K. Saxena, TERI
11:45 AM - 12:00 PM	Tea Break
12:00 PM - 01: 15 PM	Islanding detection of grid connected microgrids – Dr. B. Kalyan, IIT Madras
01:15 PM - 02:15 PM	Lunch
02:15 PM - 03:30 PM	UI-ASSIST Pilot 1 Visit- Batch 1/ UI-ASSIST Pilot 2 Visit Batch 2
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 05:00 PM	UI-ASSIST Pilot 1 Visit- Batch 2/ UI-ASSIST Pilot 2 Visit Batch 1
Day 4: 1 st May 2023	
08:00 AM - 01:30 PM	UI-ASSIST Rural Pilot Visit
01:30 PM - 02:30 PM	Lunch
02:45 PM - 03:45 PM	Wind and Solar based Power Systems - Dr. Gururaj M Vishwanath, IIT Kanpur
03:45 PM - 04:00 PM	Tea Break
04:00 PM - 05:00 PM	EV Integration in Power Systems– Dr. Amarendra Edpuganti, IIT Kanpur
Day 5: 2 nd May 2023	
09:15 AM - 10:30 AM	Blockchain: Introduction and their application in Smart Grid - Dr. Amey Karkare, IIT Kanpur
10:30 AM - 11:45 AM	ADMS Development – Dr. Kamakshi Swain, Synergy Systems and Solutions
11:45 AM - 12:00 PM	Tea Break
12:00 PM - 01: 15 PM	Cyber Security in Intelligent Distribution Systems - Mr. Sudeep Saxena, eGyanam Technologies Private Limited
01:15 PM - 02:15 PM	Lunch
02:15 PM – 03:15 PM	Open Discussion
03:15 PM – 03:30 PM	Valedictory / Closing
03:30 PM – 04:30 PM	High Tea