



# AICTE Sponsored Two Weeks Online Faculty Development Program (FDP) on

## “Electric Vehicles with Smart Grid Integration” Phase-2

**B V C INSTITUTE OF TECHNOLOGY & SCIENCE**

Department of Electrical and Electronics Engineering



### FDP SCHEDULE



### Phase 2- April 19<sup>th</sup>- April 30<sup>th</sup> 2021

Sl.No	Date & Day	Resource Person	Photo	College /University Address	Session 1 Topics (10 am – 12 pm)	Session 2 Topics (2 pm – 4 pm)
<b>Inaugural Function of online FDP on 19.04.2021 at 9.45 AM</b>						
1	19.4.2021 Monday	Dr.Avik Bhattacharya		<b>Dr.Avik Bhattacharya</b> Professor, Department of EEE Indian Institute of Technology, (IIT) Roorkey	<b>Electric Mobility and Microgrids based on Renewable Energy Sources</b>	<b>Battery Management System for Electric Vehicle</b>
2	20.4.2021 Tuesday	Dr.Mukesh Singh		<b>Dr. Mukesh Singh</b> Associate Professor, E & I Engg. Dept. Thapar Institute of Engineering and Technology, Patiala, Punjab, India	<b>Hybrid Electric Vehicle</b>	<b>Vehicle to Grid</b>
3	21.4.2021 Wednesday	Dr. K.V.Praveen Kumar		<b>Dr. K.V.Praveen Kumar</b> Assistant Professor Department of EEE, Sardar Vallabhbhai National Institute of Technology, (NIT) Surat, Gujarat	<b>Overview of Charging Infrastructure for EV</b>	<b>Predictive Control of Power Converters</b>
4	22.4.2021 Thursday	Dr. T. Vinay Kumar		<b>Dr. T.Vinay Kumar</b> Assistant Professor Department of Electrical Engineering, National Institute of Technology, Warangal (NITW), Telangana.	<b>Introduction to Electric Motor Drives for vehicle Applications</b>	<b>Fundamentals of Modeling and Simulation of Electric Motor Drives</b>

<b>5</b>	<b>23.4.2021 Friday</b>	<b>Dr. S. P. Natarajan</b>		<b>Dr.S.P.Natarajan</b> Professor and Head Department of EIE (Retd) Annamalai University, Chidambaram, Tamilnadu	<b>Essential of Control for EVs</b>	<b>PMBLDC Motors for EVs</b>
<b>6</b>	<b>24.4.2021 Saturday</b>	<b>Dr.A.Pandian</b>		<b>Dr.A.Pandian</b> Professor and Research Group Head, Power Electronics and Drives, KL University, Tadepalli Mandal, Guntur DT, AP	Big Data Analytics, Data Communications and Protocols in Smart Grid and Charging Infra structure	<b>National Education Policy (NEP 2020) - Session will be conducted by AICTE</b>
<b>25.4.2021 Sunday</b>						
<b>7</b>	<b>26.4.2021 Monday</b>	<b>Dr. Avik Bhattacharya</b>		<b>Dr.Avik Bhattacharya</b> Professor, Department of EEE Indian Institute of Technology, (IIT) Roorkey	<b>Special Machine of Electric Vehicles</b>	<b>Converter Topologies and its Control for EV Application</b>
<b>8</b>	<b>27.4.2021 Tuesday</b>	<b>Dr. Mukesh Singh</b>		<b>Dr. Mukesh Singh</b> Associate Professor, E & I Engg. Dept. Thapar Institute of Engineering and Technology, Patiala, Punjab.	<b>EV Battery Health- Power House</b>	<b>Industrial Revolution (IR 4.0) in EV</b>
<b>9</b>	<b>28.4.2021 Wednesday</b>	<b>Dr. K.V. Praveen Kumar</b>		<b>Dr. K.V.Praveen Kumar</b> Assistant Professor Department of EEE, Sardar Vallabhbhai National Institute of Technology, (NIT) Surat, Gujarat	<b>Speed Control of Induction Motors</b>	<b>Advanced Speed Control of AC Motor Drives</b>

10	29.4.2021 Thursday	Dr. T. Vinay Kumar		<b>Dr. T.Vinay Kumar</b> Assistant Professor Department of Electrical Engineering, National Institute of Technology, Warangal (NITW), Telangana.	<b>Speed Control Schemes  for AC Motor Drives</b>	<b>Model Predictive  Control Scheme for  Electric Vehicle  Applications</b>
11	30.4.2021 Friday	Dr. S. P. Natarajan		<b>Dr.S.P.Natarajan</b> Professor and Head Department of EIE (Retd) Annamalai University, Chidambaram, Tamilnadu	<b>Control of BLDC  Motors in EVs</b>	<b>Control of Power  Electronic Converters  for EVs</b>