

**AICTE Sponsored Two Weeks
Online
Faculty Development Program (FDP)**

On

Electric Vehicles with Smart Grid Integration

Phase-1 March 15th- March 27th 2021

Phase-2 April 19th- April 30th 2021



Organized By

Department of Electrical and Electronics Engineering



B V C INSTITUTE OF TECHNOLOGY & SCIENCE::
(Approved by AICTE, Permanently Affiliated to JNTUK, UGC –
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“Electric Vehicles with Smart Grid Integration”

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FDP SCHEDULE



Phase 1- March 15th- March 27th 2021

Sl.No	Date & Day	Resource Persons	Session 1 Topics (10 am – 12 pm)	Session 2 Topics (2 pm – 4 pm)
Inaugural Function of online FDP on 15.03.2021 at 9.45 AM				
1	15.3.2021 Monday	Dr.Avik Bhattacharya	Recent Advancement of Electric Vehicles Session-1	Recent Advancement of Electric Vehicles Session -2
2	16.3.2021 Tuesday	Dr.Mukesh Singh	Electric Vehicle	Role of EV in Smart Vehicle
3	17.3.2021 Wednesday	Dr.Murugananth Gopal Raj	Future Transportation	Case Study Presentation of ML for Battery Optimization and Range Prediction in Commercial EVs
4	18.3.2021 Thursday	Dr.D.P.Kothari	Energy and Environment Problems Facing the Third World and their Probable Solutions for Sustainable Development and Poverty Alleviation	Smart Grid
5	19.3.2021 Friday	Dr.A.Pandian	Big Data Analytics in Smart Grid	Smart Grid Data Communications and Protocols
6	20.3.2021 Saturday	Dr.K.V.Praveen Kumar	Selection Motor Drive for EV Applications	Model Predictive Control of Power Electronic Drives
21.3.2021 - Sunday				
7	22.3.2021 Monday	Dr.Avik Bhattacharya	Suitable Machine of EV Applications	Converter Design and Control Technique of EV Application
8	23.3.2021 Tuesday	Dr.Mukesh Singh	Battery in EV	Charger Infrastructure
9	24.3.2021 Wednesday	Dr.Murugananth Gopal Raj	IOT for Electric Vehicles	Internet of Energy (IoE)
10	25.3.2021 Thursday	Dr.D.P.Kothari	Electric Vehicle with Integration of Smart Grid	Optimization and AI Techniques
11	26.3.2021 Friday	Dr.A.Pandian	Charging Infrastructure for EVS -1 Converters and Charging Techniques	Charging Infrastructure for EVS -2 Standards, Protections and Installations Guidelines
12	27.3.2021 Saturday	Dr.K.V.Praveen Kumar	Control Strategies for Induction Motor Drives	Speed Control of PMSM