

## RESOURCE PERSONS



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**Dr. K NARASIMHA RAJU**  
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ONLINE FDP ON

## UPSKILL IN ELECTRIC VEHICLE TECHNOLOGY

31-05-2021 to 05-06-2021

The Faculty Development Programme (FDP) aims at upskilling the faculty members of engineering institutions in Electric vehicles domain. It is conducted to enable the teaching fraternity to bridge the gap between the industry and institute by delivering the cutting edge technologies in the area. It aids the faculty to acquire skills and train the students to become industry ready. The FDP is a stepping to train the skilled man power to meet huge demand that is expected in electric vehicle industry for the coming few decades.

### Outcomes of the FDP:

- 1 Model Based Design (MBD) & HIL testing
- 2 Motor selection and advanced motor control techniques in Electric vehicle
- 3 Applications of advanced technologies like 5G, AI, IOT for EV development
- 4 Algorithms for state estimation of BMS in EV
- 5 Practical difficulties and failures that can occur in HV and LV integration 6.V-cycle, DFMSEA, Reliability analysis for launching a fleet
- 6 Power Distribution Box, Battery Thermal Management
- 7 Systems for Fuel Cell Vehicle

### GENERAL CHAIR

**Dr. K SUBBARAO,**  
Principal, CoE  
**Dr. J. SOMLAL**  
Professor & HoD, EEE

### CONVENER

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### ELIGIBILITY

All Faculty and Research Scholars.

### Registration Fee: 250/-

"Participation Certificate" will be provided to registered and attended Participants for all the sessions.

### FDP Registration Link

<https://forms.gle/XEPMY7HLs93z92gU6>

### PAYMENT:

Name of the account: Registrar K L U  
Account No: 62310916292  
Name of the bank: SBI Vaddeswaram  
IFSC Code: SBIN0021361





ONLINE FDP ON

## UPSkill IN ELECTRIC VEHICLE TECHNOLOGY

31-05-2021 to 05-06-2021

### SCHEDULE

DAY	FN * (10:00 to 12:00 PM)	AN (2:00 to 4:00 PM)
31-05-2021	<b>“Motor selection for EV power train ”</b> <b>Dr.K.Siva Kumar,</b> Associate Professor, IITH	<b>“ Pole-Phase Modulated Multiphase Induction Motor Drive ”</b> <b>Dr.K.Siva Kumar,</b> Associate Professor, IITH
01-06-2021	<b>“Role of BMS in Electric Vehicle”</b> <b>Dr.K.Narasimha Raju,</b> Professor, K L University	<b>“Algorithms for Battery Managements systems in EV”</b> <b>Dr.K.Narasimha Raju,</b> Professor, K L University
02-06-2021	<b>“Product Launch Strategies, Expansion and Sustaining a Fleet”.</b> <b>Mr.Maddi Sri Ranga Prasad,</b> Senior Product Engineer, TESLA	<b>“5G and Virtualisation in Electrical Vehicles”</b> <b>Mr. Mahesh Krishna,</b> Solution Architect for Vodafone Australia.
03-06-2021	<b>“Model Based Design using UYAMAK/SIMULINK”.</b> <b>Dr.Gadi Suresh,</b> Professor, Mechanical and Electrical Engineering, Universidad Autonoma de Coahuila, <b>Mexico.</b>	<b>“Impact of Large-Scale Integration of Electric Vehicle Charging in the Distribution System-I”</b> <b>Dr.A.Pandian,</b> Professor, K L University
04-06-2021	<b>“Hardware In Loop Simulation using SIMULINK MATLAB ”</b> <b>Dr.Gadi Suresh,</b> Professor, Mechanical and Electrical Engineering, Universidad Autonoma de Coahuila, <b>Mexico.</b>	<b>“Impact of Large-Scale Integration of Electric Vehicle Charging in the Distribution System-II”</b> <b>Dr.A.Pandian,</b> Professor, K L University
05-06-2021	<b>“Intricacies in integration of HV systems in fuel cell Automotive”</b> <b>Mr.V. Phanideep,</b> EV Industry Expert, London.	<b>“AI using AWS tools”,</b> <b>Dr.Praveen Damacharla,</b> Ph.D, Research Scientist, Project Engineer, and Product Designer at KineticAI, Inc. <b>USA.</b>
Valedictory followed by the session 4 PM to 4:30 PM		

