



## Electric Vehicle Technology (2 Weeks)

(Online & Offline Session)

### COURSE CONTENT

- Introduction to EV (history, type, market condition, Indian market condition)
- Major components, how EV works, type of EV
- Batteries, type of batteries, lithium ion battery, lead acid battery
- Motors, type of motors, AC motors
- DC motors, BLDC motors, Hub motors
- Frise motors and working
- Induction motors and working
- Motor and battery suitable for golf cart
- DC controller, buck converter
- Controller, AC controller
- Working principle of controller
- Type of battery management system
- Functions of battery management system
- EV charger
- EV charging stations and Indian market
- Introduction to hev (history, type, major component)
- Types of hev in Indian market and their responses
- Type HEV power train
- Introduction to fuelcell EV
- Type of fuelcell EV
- Current diagram of electric vehicle