SKYY RIDER INSTITUTIONS FOR ADVANCED SKILL & RESEARCH





At-ISKCON Temple, Nayapalli, Bhubaneswar, +91-8800889353

Electric Vehicle And System Designing & Analysis

Duration:- 4 Weeks

Course Content

Electric Vehicle

- → Introduction to EV
- → Indian EV Market
- → EV Battery
- → Motors
- → Controllers
- → Battery Management System
- → EV Chargers
- → Introduction to Hybrid Electric Vehicles (HEV)
- → Hybrid Electric Power train
- → Technologies used for Increasing Energy Efficiency in HEV
- → Introduction to Fuel Cell EV
- → Types of Fuel Cells

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MATLAB & Simulink

- → Introduction to MATLAB
- → Scripting in MATLAB
- → Advanced Scripting Functions
- → Introduction to Simulink
- → Model Vibrating Mass
- → Model Hybrid Electric Vehicle
- → Model Wind Turbine In Simulink
- → Model Three Phase Grid Connected Solar PV System
- → Introduction to Neural Nets
- → Machine Learning in MATLAB
- → MNIST data processing
- → Predictive Maintenance
- → Model walking Robot in MATLAB