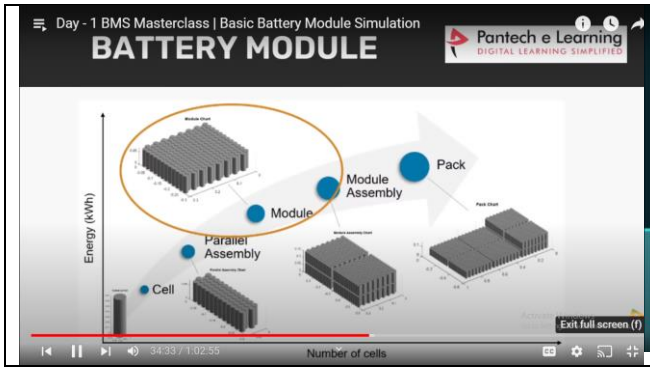
Training Program on Battery Management System (16th Sept, 2023 to 16th Oct, 2023)

A Battery Management System (BMS) is a crucial component in electric vehicles and various energy storage systems. Its primary role is to monitor and manage the performance, health, and safety of a battery pack. The BMS oversees individual cells within the battery, ensuring they operate within specified voltage and temperature ranges. For this a month long Masterclass on Battery Management System was held from 16th Sept, 2023 to 16th Oct, 2023. Dr. Souvik Ganguli from the Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala was the coordinator for the program. The program link is provided for reference:

https://www.youtube.com/watch?v=tU8YKLKPMMA&list=PLMVm21xCcvZeMH0iuEjPx8PxELAEGoEH8&index=2


Day - 1 BMS Masterclass | Basic Battery Module Simulation
BATTERY MODULE
Pantech e Learning
DIGITAL LEARNING SIMPLIFIED
Energy (kWh)
Module
Module Assembly
Pack
Parallel Assembly
Cell
Number of cells
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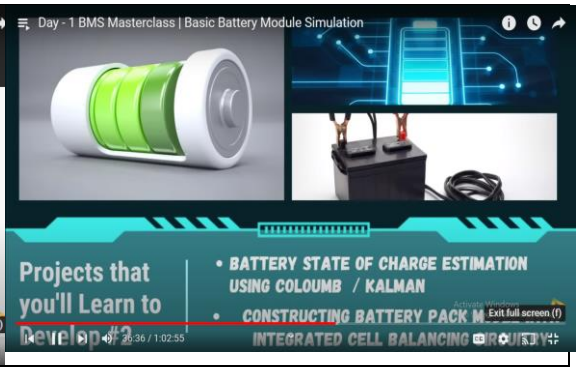
Day - 1 BMS Masterclass | Basic Battery Module Simulation
Projects that you'll Learn to Develop #2
• BATTERY STATE OF CHARGE ESTIMATION USING COLOUMB / KALMAN
• CONSTRUCTING BATTERY PACK
INTEGRATED CELL BALANCING
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