

Report on Webinar on Design of Electrical Vehicle

IEEE PES MSIT collaborated with the department of EEE, MSIT, and in association with Pantech, organized another webinar with PANTECH- E BYTES 2020- A webinar session on Design of Electric Vehicle was conducted on 10th Aug. 2020. Mr. Sreenivasalu Ala, PANTECH Associate was the speaker. The event was live on YouTube and witnessed over 4100 viewers. The main aim of the webinar was to share the knowledge of the latest and trending skills and technologies to the students by industrial experts. The session was one hour long and the students were engrossed in gaining the knowledge the entire time. They received insights into the latest industrial standards and applications on the domain which was desired.

About Pantech:

Pantech group of companies has been one of the tops of the technical sharing companies in many domains. The knowledge-sharing series is another initiative by the company, the objective being the stimulation of the technical know-how and enthusiastic learning among the students and the staff.

Key points of the webinar were:

- **EVs** (also known as plug-in electric vehicles) derive all or part of their power from electricity supplied by the electric grid. They include AEVs and PHEVs.
- **AEVs** (all-electric vehicles) are powered by one or more electric motors. They receive electricity by plugging into the grid and store it in batteries. They consume no petroleum-based fuel and produce no tailpipe emissions. AEVs include Battery Electric Vehicles (BEVs) and Fuel Cell Electric Vehicle.
- **PHEVs** (plug-in hybrid electric vehicles) use batteries to power an electric motor, plug into the electric grid to charge, and use a petroleum-based or alternative fuel to power the internal combustion engine. Some types of PHEVs are also called extended-range electric vehicles (EREVs).