



UKA TARSADIA
u n i v e r s i t y

Development of Electrical Vehicles

Date: 31/03/2021

Speaker: Mr. Ritul Shah

Total Number of Students Benefited: 72

Development of Electrical Vehicles

Department of Electrical Engineering, Chhotubhai Gopalbhai Patel Institute of Technology in association with Training & Placement Cell, Uka Tarsadia University have organized webinar on “Development of Electrical Vehicles” on March 31, 2021. The speaker for this webinar was Mr. Ritul Shah, Founder of Spark Innovations, Vadodara. Total 72 participants participated in this online programme from CGPIT and outside of the university.

About Speaker:

- He has more than 7 years of experience in Electric vehicle component development.
- He has worked in MNC and start-ups across various fields in Electric vehicles.
- He has Core Expertise in Battery management system development and has extensively worked in power electronics and developed EV Charger, DC-DC Converter and BLDC Motor Drive.

Session Details:

Mr. Ritul started the webinar by giving introduction of Electrical Vehicles and then he has covered the topics of main components, parameters to design the EV System, battery management system, opportunities in the current scenario and different softwares used in industry. The webinar was knowledge booster for the participants.

Development of Electrical Vehicles

organized by
Electrical Engineering Department
in association with
Training & Placement Cell, UTU

March 31 | 11.00 AM

Speaker
Mr. Ritul shah
Founder Spark Innovation



Moderator
Mr. Hiren sidhpuria
Asst. Professor,
Electrical Department,
Chhotubhai Gopalbhai Patel
Institute of Technology





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Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

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065_Payal Patel
and 60 more






Opportunities in Electric Vehicles

meet.google.com is sharing your screen.
Stop sharing
Hide

Activate Windows
Go to Settings to activate Windows.








Raise hand



Turn off

Major Components in an Electric Vehicle

- ✓ Battery Pack
- ✓ Battery Management System
- ✓ Motor
- ✓ Motor Controllers
- ✓ Chargers
- ✓ Vehicle Control Unit
- ✓ DC-DC Converters
- ✓ IOT, AI



ritul shah

Which Software tools Industry is looking for?

- ✓ Model Based Programming, Simulations - MATLAB
- ✓ CAD – AutoCAD, CREO, Solid works
- ✓ Analytical Software – Ansys, Altair, COMSOL
- ✓ Motor Design Softwares – Solidworks, Emetor
- ✓ PCB Design – KiCAD, Altium, Eagle  
- ✓ Embedded Programming C, C++
- ✓ 3D Printing Softw  



ritul shah