



**SCHOOL OF MECHANICAL SCIENCES
DEPARTMENT OF AUTOMOBILE ENGINEERING**
Electric One –HITS Skill Next Centre

About the Centre

The automobile Industry is facing a shortage of talented, aptly skilled engineers in fulfilling the need for the transition from ICE to Electric Vehicles. To bridge the gap between industry and institution a MoU has been signed between HITS and Electric-One Mobility Pvt. Ltd., with a name as Electric One - HITS Skill Next Centre. The main objective of this centre is to develop students' skills making them competent and a flag ship Engineer in the EV market.

The Electric Vehicle certification course offered by the centre is a workshop designed for students and professionals aspire to work or working in automotive, Auto –component, Design and Manufacturing sectors.

Vision

- To be a Centre for Skill Development towards Two-Wheeler EV Technology in collaboration with an industry.

Mission

- To Impart Skills towards advancements in EV Technology by various Internships, Hands on Training, Projects and make them industry ready.

Objectives

- The program has a special emphasis on concepts such as Vehicle Dynamics, Motor Design, Ergonomics and Battery Technology.
- The program includes basic concepts required for developing an EV.
- The program uses a Continuous Evaluation System that assesses the learners over convenient and regular intervals. Such a system provides timely and frequent feedback and helps busy working professionals stay on course with the program.

Levels
Level 1 – Entry
Level 2 – Advanced
Level 3 - Professional

ELIGIBILITY CRITERIA:

For level 1 and level 2: ITI, Diploma in Automobile/Mechanical/Electrical/Electronics/Chemical Degree of Engineering

For Level 3: Candidates who has completed level 1 and level 2 & Industry professional ITI, Diploma in Automobile/Mechanical/Electrical/Electronics/Chemical Degree of Engineering

Terms & Condition:

- Certificates and Placement assurance will be given after the completion of all 3 Levels only.



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About the Electric One-HITS Skill Next Centre

Electric One HITS Skill Next Centre will be setting up a lab to develop students' skills making them competent and a flag ship Engineer in the EV market.

The automobile Industry is facing a shortage of talented, aptly skills engineers needed for the transition to electric drives. The objective of the MoU is to fill that gap and gain an edge with Electric One HITS skill Centre through Industry ready curriculum design.

The Electrical Vehicle certification course offered by the centre is a workshop designed for students or professionals aspire to work or working in Automotive, Auto component, Design and Manufacturing sector.

Course Highlights:

- The program has a special emphasis on concepts such as Vehicle Dynamics, Architecture, Motor Design, Ergonomics and Battery Technology.
- The program includes basic concepts required for developing an EV.
- The program uses a Continuous Evaluation System that assesses the learners over convenient and regular intervals. Such a system provides timely and frequent feedback and helps busy working professionals stay on course with the program.

Levels of Courses:

Level 1: Entry Level (20 hours)

Level 2: Advanced Level (30 hours)

Level 3: Professional Level (for Industry Professionals)

- Campus Placements
- OJT & Internship Opportunities
- Blend of Classroom and Experiential Learning Methodology
- Participation in Okinawa Dream India Cup (PAN India startup contest on EV Projects)
- Campus SPOC for Students Teams
- Project Presentations
- Exciting Prizes & Awards



Electric One-HITS Skill Next Centre Inauguration on 5th March 2022



Prof. Peter Koenig visiting the centre along with the Director-HITS, Vice Chancellor-HITS and HOD(Auto)



Display of the dismantled components of the Electric Scooter