

An illustration of a sustainable city. In the foreground, a yellow electric car is parked at a charging station. Behind it, there are green bushes and a modern building. In the background, several wind turbines are visible against a light blue sky with a large white cloud. The scene is framed by a dark grey curved shape on the right side.

TRAINING CATALOGUE

 **UTOBOT** INDIA
inspiring ages

ABOUT US

Autobot India (ABI) is a spearheaded solution providing company to the mainstream EV in automobile, education and motorsports sector. We offer service as a solution in the domain of training, battery management system, powertrain integrated systems, product design & development, track design & development.

We are India's leading and quality oriented training and development providing company which focused on Practical Learning Approach (PLA). Our training programs are ISO 29990:2010 certified and accredited for the international quality and standards for learning and training in electric vehicle domain.

VISION

To be innovative and sustainable global organization which offers one-stop solution platform in e-mobility and EV education worldwide.

MISSION

Making our services best suited to our stakeholders and keeping the best interest of our customers.

CORE PRINCIPLES

Aailability

For our clients.

Best Practices

Work ethics and Transparency

Interest

Protect clients' interest.

CERTIFICATION AND ACCREDITATIONS



ADDRESSING THE **CRITICAL CHALLENGES**

With the emergence and drastic shift of IC to EV which has brought a lot of new technological challenges for the country. Being the responsible part of the community, we're addressing the critical challenges through our service solutions

● **AWARENESS**

● **EV LEARNING**

● **FACULTY DEVELOPMENT**

● **LACK OF MENTORS**

● **HANDS ON PROJECT**

● **ACADEMIC CURRICULUM**

● **R & D PROGRAMES**

● **INDUSTRY READY STUDENTS**

OUR LEARNING **APPROACH**

PRACTICAL LEARNING APPROACH (PLA)

PLA stands for "Practical Learning Approach" an advanced learning approach model integrated into each ABI training courses ensuring the best yield result of each students participating in our courses.

PRACTICAL (70 %)

THEORY (30%)

AUTOBOT INDIA EDUCATION RESEARCH AND INNOVATION CENTRE (AERIC)

AERIC is an initiative by Autobot India to promote the MAKERS culture among the students, worldwide through extensive training and live projects programs using cutting edge technology, research methodology to bring a new platform for practical learning and Do-It-Yourself concept aiming at low cost, high-quality MAKERS education.

This approach will foster the large group of undergraduates who lacks behind the infrastructure for their dream research & projects, mentorship, support, and financial aids to continue their projects in future which leads to shattering their fresh and innovative ideas for the developing and emerging India.



140 Hours

Academic

Personal Mobility

ABI - A303

ELECTRIC BIKE POWERTRAIN DESIGN AND INTEGRATION

Four weeks professional training program for the undergraduate students to learn and upgrade their skills to make more lucrative understanding of EV powertrain, working principles and its integration of 2 wheeler electric vehicles. This programs discusses in depth of the challenges faced while designing a 2 wheeler.

At the end the students will be able to learn about the challenges that occur in 2 Wheelers segment for electric vehicle and various methods and scopes to solve them.

MODULES

- Two Wheeler Design Process
- Two wheeler dynamics study
- Motor types used and their selection
- Overview of EV battery systems
- Battery pack design
- On-board chargers and EVSE
- Wire harness design
- Low voltage wire harnessing
- Compliance and approval standards
- Electric vehicle integration

PRE-REQUISITE

Basics of Automobile
Basics of Physics
Basics of Mechanics

OUR ACHIEVEMENTS

DEVELOPED **06**
ELECTRIC VEHICLE
PROJECTS

MORE THAN **20** ACADEMIC
05 INDUSTRY
TRAINING PROGRAMMES

OVER **500**
ENGINEERS TRAINED

INDUSTRIAL PARTNERS



KNOWLEDGE PARTNERS





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