

## **Electric Vehicle (EV) Two-Wheeler and Three-Wheeler Repairing Training Course Including EV Electronics Module Repair, EV Charger and Controller Repair (in English)**

### **Electric Two Wheeler Course Topics (In English)**

1. Introduction to Electric Vehicles and EV Technology
  - Introduction to EV Technologies
  - Key Components of EVs
2. Braking System (Drum Brake)
  - Functions and Workings of Drum Brake System
  - Difference between Drum Brake and other brake systems
3. Braking System (Disc Brake)
  - Functions and Workings of Disc Brake System
  - Difference between Disc Brake and Drum Brake
4. Front Suspension Open and Fitting
  - Opening and fitting the front suspension
5. Steering System
  - Function of the Steering System
  - Main Components of the Steering system
6. EV Electrical System (Head Light, Brake Light)
  - Functions and Workings of Head Light and Brake Light systems
7. EV Electrical System (Horn, Indicator, Number Plate Light)
  - Functions and Workings of Horn, Indicator and Number Plate Light System
8. EV Controller Wiring System
  - Introduction and understanding of EV Controller Wiring System
  - Key Components of EV Controller wiring system
9. EV Controller Wiring Harness Voltage Testing
  - Importance of Voltage Testing
10. Integration and Practical Assessment
  - Understanding the Integration of EV system

## Electric Three Wheeler Course Topics (In English)

1. Introduction to Electric Vehicles (EVs) and EV Technologies
  - Introduction to EV Technologies
  - Key Components of EVs
2. Braking System (Drum Brake)
  - Functions and Workings of Drum Brake
  - Difference between Drum Brake and other brake systems
3. Introduction about Body and Practical
  - Understanding Three-wheeler Body Structure
4. Working Principle of Differential
  - Introduction and understanding Working Principle of Differential
5. Steering System
  - Function of Steering system
  - key Components of Steering system
6. EV Electrical System (Head Light, Brake Light)
  - Working and Functions of Head Light and Brake Light
7. EV Electrical System (Horn, Indicator, Number Plate Light)
  - Working and Functions of Horn, Indicator and Number Plate Light Systems
8. EV Controller Wiring System
  - Introduction and understanding of EV Controller Wiring System
  - Key Components of EV Controller wiring system
9. EV Controller Wiring Harness Voltage Testing
  - Importance of Voltage Testing
10. Integration and Practical Assessment
  - Understanding the Integration of EV System

## EV Electronics Course Topics (In English)

1. EV Electronics Module Repairing
  - Introduction to EV Modules & Basic Electronics. Practical: Soldering & De-soldering Techniques.
2. Ohm's Law & Circuit Analysis
  - Use of Multi meter, Resistors, Capacitors, and Inductors Testing. Practical: Soldering & De-soldering Techniques.
3. Introduction of Basic Components and its testing.
  - Bridge Rectifier, Relays, Switches Practical: Soldering & De-soldering Techniques.
4. Introduction of Basic Components and its testing.
  - Transistor, Mosfet, Diode, etc. Practical: Soldering & De-soldering Techniques.
5. Troubleshooting of EV Chargers
  - Training in Diagnosis EV charger.
6. Repair of EV Chargers
  - Fixing Charger Faults.
7. Advanced Charger Repair (SMPS, Transformer, PCB Repair)
  - Hands-on repair Sessions
8. Controller Basics (Types of Controllers), Controller Components
  - Controller components and its testing
9. Controller Basics, Fault Finding & Troubleshooting
  - Fault Finding in Controllers, Diagnosing Controller Issues
10. Cluster Meter Basics
  - Controller components and its testing
11. Cluster Meter Repair (Common Meter Issues) (Hardware)
  - Hands-on practical

## Electric Vehicle (EV) Two-Wheeler and Three-Wheeler Repairing Training Course Including EV Electronics Module Repair, EV Charger and Controller Repair (In Hindi)

### Electric Two Wheeler Course Topics (In Hindi)

1. Electric Vehicles and EV Technology का परिचय
  - EV Technologies का परिचय
  - EVs के ज़रूरी भाग
2. Braking System (Drum Brake)
  - Drum Brake System के कार्य और कामकाज
  - Drum Brake और अन्य Brake Systems के बीच अंतर
3. Braking System (Disc Brake)
  - Disc Brake System के कार्य और कामकाज
  - Disc Brake और Drum Brake के बीच अंतर
4. Front Suspension Open और Fitting
  - Front Suspension को खोलना और सिट करना
5. Steering System
  - Steering System का function के कार्य
  - Steering System के ज़रूरी तत्व
6. EV Electrical System (Head Light, Brake Light)
  - Head Light और Brake Light Systems के Functions और कार्य
7. EV Electrical System (Horn, Indicator, Number Plate Light)
  - Horn, Indicator और Number Plate Light System के कार्य और कामकाज
8. EV Controller Wiring System
  - EV Controller Wiring System का परिचय और समझ
  - EV Controller Wiring System के Key Components
9. EV Controller Wiring Harness Voltage Testing
  - Voltage Testing का महत्व
10. Integration और Practical Assessment
  - EV System के Integration को समझना

## Electric Three Wheeler Course Topics (In Hindi)

1. Electric Vehicles (EVs) और EV Technologies के बारे में परिचय
  - EV Technologies का परिचय
  - EVs के ज़रूरी भाग
2. Braking System (Drum Brake)
  - Drum Brake का कामकाज और कार्य
  - Drum Brake और अन्य Brake Systems के बीच अंतर
3. Body और Practical के बारे में परिचय
  - Three-Wheeler Body Structure की समझ
4. Differential का कार्य के सिद्धांत
  - Differential का परिचय और कार्य सिद्धांत की समझ
5. Steering System
  - Steering System का Function के कार्य
  - Steering System के ज़रूरी भाग
6. EV Electrical System (Head Light, Brake Light)
  - Head Light और Brake Light का कामकाज और कार्य
7. EV Electrical System (Horn, Indicator, Number Plate Light)
  - Horn, Indicator और Number Plate Light Systems का कामकाज और कार्य
8. EV Controller Wiring System
  - EV Controller Wiring System का परिचय और समझ
  - EV Controller Wiring System के ज़रूरी भाग
9. EV Controller Wiring Harness Voltage Testing
  - Voltage Testing का महत्व
10. Integration and Practical Assessment
  - EV System के Integration को समझना

## EV Electronics Course Topics (In Hindi)

1. EV Electronics Module Repairing
  - EV मॉड्यूल्स और बुनियादी इलेक्ट्रॉनिक्स का परिचय Practical: Soldering & De-soldering Techniques.
2. Ohm's का नियम और सर्किट Analysis
  - Use of Multi Meter, Resistors, Capacitors, and Inductors Testing. Practical: Soldering & De-soldering Techniques.
3. Introduction of Basic Components and its testing.
  - Bridge Rectifier, Relays, Switches Practical: Soldering & De-soldering Techniques.
4. Introduction of Basic Components and its testing.
  - Transistor, Mosfet, Diode, etc. Practical: Soldering & De-soldering Techniques.
5. Troubleshooting of EV Chargers
  - EV charger की Diagnosis में Training
6. Repair of EV Chargers
  - Fixing Charger Faults.
7. Advanced Charger Repair (SMPS, Transformer, PCB Repair)
  - Hands-on repair Sessions
8. Controller Basics (Types of Controllers), Controller Components
  - Controller components and its testing
9. Controller Basics, फॉल्ट फाइंडिंग और Troubleshooting
  - Controllers में Fault Finding, Diagnosing Controller Issues
10. क्लस्टर मीटर Basics
  - Controller Components और उनका Testing
11. क्लस्टर मीटर Repair ) Common Meter Issues ( Hardware)
  - Hands-on Practical



## Details of the Course

**Fees** – 50,000 including GST

**Hostel facility** – 7,000/- Per Month including food

**Duration** – 30 Days (Minimum)

**Location** – JustAuto Solutions Pvt. Ltd., Plot No: B1, B2, B3/15, Electronics Estate, GIDC, Sector 25, Gandhinagar, Gujarat

## Photo Gallery

