



BISD
BHARAT INSTITUTE
FOR SKILL DEVELOPMENT



BECOME AN
INDUSTRY-READY
**EV SERVICE
TECHNICIAN**

EV SERVICE TECHNICIAN TRAINING PROGRAM

BECOME AN INDUSTRY-READY
EV SERVICE TECHNICIAN



Industry-Focused Training for
Electric 2-Wheelers,
3-Wheelers & 4-Wheelers



PRACTICAL TRAINING
Hands-on learning in labs
with real EV systems



INDUSTRY EXPERTS
Learn from experienced
professionals



INDUSTRY CERTIFICATION
Boost your skills and
career opportunities



HIGH DEMAND CAREER
Join the EV revolution and
build a future-proof career



LEARN | PRACTICE | SERVE | SUCCEED

Your Journey to Becoming a Skilled **EV Service Technician** Starts Here!



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Dr. Mahesh Patil

WHY BECOME AN EV SERVICE TECHNICIAN?

A FUTURE-PROOF CAREER IN THE **ELECTRIC REVOLUTION**

The world is moving towards electric mobility, and **EV Service Technicians** are the backbone of this transformation. Skilled technicians are in high demand across the globe to keep EVs running safely, efficiently and reliably.



EV SERVICE TECHNICIAN

Skilled Today.
Essential Tomorrow.
Always in Demand.



WHY THIS CAREER **MAKES SENSE?**



RAPID INDUSTRY GROWTH

EV market is expanding fast globally and in India.



HIGH DEMAND FOR TECHNICIANS

Skilled EV Service Technicians are in short supply.



ATTRACTIVE EARNINGS

Great salary potential with excellent career advancement.



IMPACTFUL CAREER

Be part of a greener, cleaner and sustainable future.



LONG-TERM STABILITY

A future-ready career with continuous growth opportunities.

WHERE CAN **EV SERVICE TECHNICIANS** WORK?



EV SERVICE
CENTERS



AUTOMOTIVE
DEALERSHIPS



BATTERY & EV
MANUFACTURERS



CHARGING STATION
COMPANIES



FLEET OPERATORS
& LOGISTICS



ENTREPRENEURSHIP
& SELF-EMPLOYMENT

WHAT YOU'LL MASTER AS AN EV SERVICE TECHNICIAN

70% HANDS-ON PRACTICAL LEARNING | 30% ESSENTIAL TECHNICAL CONCEPTS

BATTERY PACK ASSEMBLY & SERVICING

Learn to assemble,
test and service
EV battery packs.



BATTERY MANAGEMENT SYSTEM (BMS)

Understand BMS
architecture, cell balancing,
fault codes and
system protection.



BLDC MOTOR & CONTROLLER DIAGNOSTICS

Diagnose and service
motors and controllers
for smooth and
efficient performance.



EV CHARGING SYSTEMS

Learn AC & DC
charging technology,
chargers, connectors
and safety protocols.



FAULT DETECTION & TROUBLESHOOTING

Use diagnostic tools
to identify faults and
apply real-world
troubleshooting
techniques.



WORKSHOP SAFETY & SERVICE PRACTICES

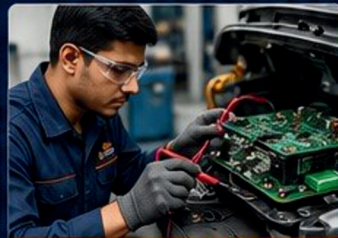
Follow industry safety
standards and best
practices for reliable
and safe servicing.



YOU WON'T JUST LEARN... YOU'LL DO.



**SERVICE
REAL EV
COMPONENTS**



**DIAGNOSE
LIVE
FAULTS**



**USE INDUSTRY
TOOLS &
EQUIPMENT**



**PRACTICE IN
MODERN EV
LABS**



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BECOME AN
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TECHNICIAN**

HANDS-ON TRAINING. REAL-WORLD EXPERIENCE.

Learn by doing in fully equipped EV labs with real components, industry-standard tools and expert guidance.



BATTERY PACK SERVICING

Work on real high-voltage battery packs and cells.



CONTROLLER DIAGNOSTICS

Analyze and troubleshoot motor controllers.



CHARGING SYSTEM SETUP & TESTING

Install, test and maintain AC & DC charging systems.



LIVE FAULT DIAGNOSIS

Identify, analyze and fix real-time faults.



MOTOR TESTING & SERVICING

Test, diagnose and service BLDC motors.

PRACTICE. EXPLORE. MASTER. THAT'S OUR PROMISE.



REAL COMPONENTS

Train on actual EV components like batteries, motors, controllers and more.



EXPERT GUIDANCE

Learn from experienced industry professionals and EV experts.



INDUSTRY TOOLS

Get skilled with advanced tools and diagnostic equipment used in the industry.



PRACTICAL CONFIDENCE

Build the confidence to handle any EV with hands-on experience.



70% HANDS-ON PRACTICAL TRAINING | NOT JUST THEORY, REAL SKILLS FOR REAL CAREERS.



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**200-HOUR
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YOUR CAREER AFTER THE 200-HOUR EV SERVICE TECHNICIAN TRAINING PROGRAM

200-HOUR INDUSTRY-READY EV SERVICE TECHNICIAN PROGRAM



TRAINING

Gain hands-on skills in advanced EV technologies.



CERTIFIED EV TECHNICIAN

Industry-recognized certification makes you job-ready.



INDUSTRY EXPOSURE

Work on real EV systems with expert mentors.



CAREER GROWTH

Grow, specialize and lead in the EV industry.



SUCCESS YOUR WAY

Build a stable career or start your own EV venture.

WHERE YOU CAN WORK

01 EV SERVICE CENTRES



Repair, maintain and service Electric Vehicles of all categories.

02 AUTOMOBILE DEALERSHIPS



Join OEM service networks and work with advanced EV models.

03 BATTERY MANUFACTURING



Work in battery assembly, testing, quality control and R&D.

04 CHARGING INFRASTRUCTURE



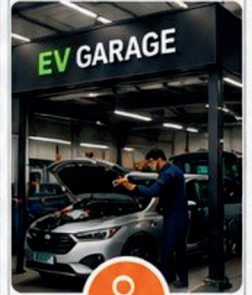
Install, maintain and troubleshoot EV charging stations.

05 FLEET COMPANIES



Maintain EV fleets including buses, cabs and delivery vehicles.

06 ENTREPRENEURSHIP



Start your own EV service centre or multi-brand workshop.

CAREER GROWTH OPPORTUNITIES



ENTRY-LEVEL TECHNICIAN

Start your journey in the EV industry.



SENIOR SERVICE ENGINEER

Handle complex systems and diagnostics.



WORKSHOP SUPERVISOR

Lead teams and ensure service excellence.



SERVICE MANAGER

Manage operations and drive customer satisfaction.



ENTREPRENEUR / BUSINESS OWNER

Build your own brand and grow your business.



SKILLS THAT OPEN DOORS TO MULTIPLE CAREERS



PLACEMENT ASSISTANCE

Guidance and support for job placement.



INDUSTRY NETWORK

Connect with leading EV companies.



EXPERT GUIDANCE

Learn from experienced industry professionals.



CAREER SUPPORT

Continuous support for your career growth.



**A FUTURE-PROOF CAREER.
GROW AS FAR AS YOU AIM.**



TOOLS & EQUIPMENT YOU'LL MASTER

IN THE 200-HOUR EV SERVICE TECHNICIAN TRAINING PROGRAM

Work with industry-standard tools and advanced equipment used in real-world EV service and repair.



**200-HOUR
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TOOLS YOU WILL USE

DIGITAL MULTIMETER



Measure voltage, current, resistance and more.

BATTERY ANALYZER



Analyze battery health, voltage, capacity and performance.

BMS TESTER



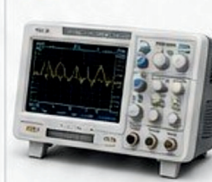
Test and diagnose Battery Management System efficiently.

EV DIAGNOSTIC SCANNER



Read fault codes, analyze systems and clear errors.

OSCILLOSCOPE



Analyze signals and electrical waveforms accurately.

INSULATION TESTER



Ensure electrical safety and insulation integrity.

TORQUE WRENCH SET



Tighten components with precision and safety.

THERMAL IMAGING CAMERA



Detect overheating issues and hidden faults.

EV CHARGER TESTER



Test EV chargers for safety, output and performance.

POWER SUPPLY UNIT



Power and test electronic modules with stability.

SOLDERING STATION



Work on circuit boards and electronic components.

SPECIALIZED HAND TOOLS



Industry-grade tools for safe and efficient servicing.

ADVANCED EQUIPMENT IN OUR EV LABS



HIGH-VOLTAGE BATTERY PACKS

Hands-on practice with real EV battery systems.



BLDC MOTORS & DRIVES

Test, analyze and service advanced electric motors.



EV CONTROLLERS

Program, test and diagnose controller systems.



CHARGING STATION SIMULATORS

Learn installation and maintenance of EVSE.



ELECTRICAL FAULT SIMULATORS

Practice fault diagnosis in a safe environment.



MODERN EV WORKSHOP LAB

Spacious, well-equipped and industry-standard.



**PRACTICE WITH
PROFESSIONAL TOOLS.
PERFORM LIKE A PRO.**



**INDUSTRY-STANDARD
EQUIPMENT**



**70% HANDS-ON
PRACTICAL TRAINING**



**SAFE & REAL-WORLD
PRACTICE**



**BUILD CONFIDENCE.
BECOME JOB-READY.**



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**200-HOUR
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SEGMENTED LEARNING FOR E2W | E3W | E4W

MASTER THE TECHNOLOGY. SERVE EVERY SEGMENT.

200-HOUR INDUSTRY-READY EV SERVICE TECHNICIAN PROGRAM

ELECTRIC 2-WHEELERS (E2W)

URBAN MOBILITY FOCUS



1 – 3 KWh BATTERY PACKS

Hands-on assembly and maintenance of compact battery packs.



HUB MOTOR SYSTEMS

Learn hub motor architecture, control and performance tuning.



HOME CHARGING SOLUTIONS

AC home charging systems, installation and troubleshooting.



CONTROLLER DIAGNOSTICS

Identify, diagnose and resolve common controller faults.



INDIVIDUAL TELEMATICS

Basic tracking, data monitoring and performance insights.

FOCUS:

Lightweight | Compact | Cost-Effective
Daily Commuter Solutions



ELECTRIC 3-WHEELERS (E3W)

COMMERCIAL & FLEET FOCUS



5 – 10 KWh BATTERY PACKS

Integration of higher capacity packs for commercial duty cycles.



MID-DRIVE SYSTEMS

Understand load-bearing mid-drive motor configurations.



FLEET TRACKING DASHBOARDS

Real-time monitoring, vehicle health and operational analytics.



BATTERY SWAPPING PROTOCOLS

Depot-based charging and high-frequency battery swapping.



COMMERCIAL DIAGNOSTICS

Battery, motor and system level fault identification.

FOCUS:

Durability | Load Handling | Efficiency
Fleet & Commercial Operations



ELECTRIC 4-WHEELERS (E4W)

ADVANCED ENGINEERING FOCUS



20 – 80 KWh BATTERY PACKS

Work with high-capacity battery packs and advanced BMS.



HIGH POWER MOTORS

Study of high torque, high power motor systems.



HIGH VOLTAGE SAFETY

Hands-on training on HV systems, safety protocols and PPE.



DC FAST CHARGING

Installation and maintenance of DC fast charging infrastructure.



THERMAL MANAGEMENT

Cooling systems, thermal control and HVAC for EVs.

FOCUS:

Performance | Safety | Advanced Tech
Next-Gen EV Solutions



ONE PROGRAM. THREE SEGMENTS. ENDLESS OPPORTUNITIES.



Industry-Relevant Curriculum

Updated with latest EV technologies.



Real-World Application

Learn with live systems and real scenarios.



Expert Mentorship

Learn from EV industry professionals.



Job-Ready Skills

Build the confidence to work across segments.



Wide Career Scope

Opportunities in service, manufacturing & more.



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200-HOUR
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YOUR 200-HOUR JOURNEY *to become an* **EV SERVICE TECHNICIAN** **CURRICULUM ROADMAP**

A structured learning path from fundamentals to industry-ready expertise.

200-HOUR INDUSTRY-READY EV SERVICE TECHNICIAN PROGRAM



WHAT MAKES OUR CURRICULUM UNIQUE?



LEARN. PRACTICE. INNOVATE. GET INDUSTRY-READY.



CAPSTONE PROJECT & INDUSTRY READINESS

LEARN. BUILD. SOLVE. SUCCEED.

The final step in your 200-hour journey – apply everything you've learned to real-world EV challenges.



**200-HOUR
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200-HOUR INDUSTRY-READY EV SERVICE TECHNICIAN PROGRAM

YOUR CAPSTONE JOURNEY

01 IDENTIFY THE PROBLEM



Analyze real EV scenarios and define the challenge.



02 DESIGN THE SOLUTION



Plan and design your system, components and logic.



03 BUILD & INTEGRATE



Assemble hardware, integrate systems and configure software.



04 TEST & VALIDATE



Test performance, troubleshoot and refine your solution.



05 PRESENT & DEPLOY



Present your project and demonstrate real-world impact.



PROJECT AREAS YOU WILL WORK ON



BATTERY SYSTEM ASSEMBLY & BMS

Design, assemble and test battery packs with BMS integration.



MOTOR & DRIVE INTEGRATION

Work with hub / mid-drive motors and control systems.



CHARGING SOLUTIONS DEVELOPMENT

Build AC / DC charging solutions and test performance.



IOT & TELEMATICS IMPLEMENTATION

Enable tracking, data monitoring and fleet analytics.



DIAGNOSTICS & FAULT MANAGEMENT

Identify, diagnose and resolve real EV system faults.



EV SYSTEM INTEGRATION

Integrate all subsystems for complete EV functionality.

INDUSTRY-READY OUTCOMES

- ✓ Build confidence through real-world projects
- ✓ Develop problem-solving and critical thinking
- ✓ Work on industry-relevant EV technologies
- ✓ Gain experience in diagnostics, safety and integration
- ✓ Strengthen your portfolio for better job opportunities



“

You don't just learn about EVs.
You **build the future of mobility.**

MENTORED BY INDUSTRY EXPERTS



Guidance from Industry Professionals



Regular Reviews & Feedback



Industry-Validated Projects



Better Placement Opportunities



Become a Future-Ready EV Professional

THIS IS WHERE
YOUR LEARNING
BECOMES IMPACT.
BUILD. TEST. EXCEL.



PLACEMENTS & INDUSTRY OPPORTUNITIES

YOUR SKILLS. THEIR HIRING NEEDS.

Learn Today. Get Placed Tomorrow.



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COMPANIES HIRING EV SERVICE TECHNICIANS

2-WHEELER COMPANIES

OLA ELECTRIC

ATHER

TVS

BAJAJ

Hero

REVOLT

HONDA

3-WHEELER COMPANIES

mahindra
LAST MILE MOBILITY

PIAGGIO

OMEGA SEIKI

EULER

ALTIGREEN

YC ELECTRIC

4-WHEELER COMPANIES

TATA MOTORS
Connecting Aspirations

mahindra Rise

MG

HYUNDAI

BYD

KIA

Mercedes-EQ

BMW

CHARGING INFRASTRUCTURE COMPANIES

POWER
EZ CHARGE

STATIQ
EV CHARGING SOLUTIONS

CHARGEZONE
POWERING THE FUTURE

ZEON

Jio bp pulse

Bharat Petroleum

HP

BATTERY & COMPONENT COMPANIES

EXIDE

AMARA RAJA
Gotta be a better way

LOG9
MATERIALS SCIENCES

SUN
MOBILITY

INDIA'S EV WORKFORCE DEMAND

The EV industry is expected to generate **millions of employment opportunities** over the coming decade across manufacturing, servicing, charging infrastructure and battery technologies.

JOB OPPORTUNITIES ACROSS THE EV ECOSYSTEM



EV MANUFACTURING

High demand for skilled technicians in production and assembly.



EV SERVICE CENTERS

Huge requirement for trained professionals for maintenance, repair and diagnostics.



CHARGING INFRASTRUCTURE

Growing need for installation, operation and maintenance experts.



FLEET OPERATIONS

Skilled technicians needed to support and maintain EV fleet performance.



BATTERY INDUSTRY

Opportunities in battery assembly, testing, recycling and advanced technologies.



DEALERSHIPS & AFTERSALES

Service technicians are key in dealerships and customer support services.

OUR COLLABORATION PARTNERS



WE SUPPORT YOUR CAREER JOURNEY



PLACEMENT ASSISTANCE

Connecting you with top employers.



INDUSTRY CONNECT

Strong network with EV companies.



RESUME BUILDING

Professional CV & portfolio support.



INTERVIEW PREPARATION

Mock interviews & expert guidance.



CAREER GUIDANCE

Personalized career counseling.



INTERNSHIP OPPORTUNITIES

Hands-on exposure with real projects.

YOUR EV CAREER STARTS HERE.

TRAIN WITH BISD. BUILD SKILLS. GET INDUSTRY READY.



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Dr. Mahesh Patil

YOUR FUTURE.
OUR MISSION.

BECOME AN INDUSTRY-READY EV SERVICE TECHNICIAN IN JUST 200 HOURS!

Learn. Practice. Innovate. Get **Industry-Ready**.



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TECHNICIAN
TRAINING
PROGRAM**

BISD
EV TECHNICIAN



INDUSTRY-RECOGNIZED CERTIFICATION

Boost your credibility
and career prospects.



EXPERT MENTORSHIP

Learn from experienced
EV professionals.



HANDS-ON PRACTICALS

Work on real EV systems
and live projects.



HIGH DEMAND CAREERS

Step into a future-proof
and high-growth industry.



POWER THE FUTURE

Be a part of the electric
mobility revolution.

**ADMISSIONS
OPEN!**

Take the first step towards a
high-impact EV career.



SCAN TO
ENROLL NOW!

GET IN TOUCH



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Dr. Mahesh Patil



Bharat Institute for Skill Development (BISD)
Hyderabad, India

Thank You!

Let's build a smarter, greener and better tomorrow together.



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