



Transforming Aspirations into Achievement

HYBRID AND ELECTRIC VEHICLE

Master **Hybrid and electric vehicle** with Expert Guidance!
SELF-PACED | MENTOR LED | PROFESSIONAL





A Brief Story About The Company



ABOUT US

Our team is dedicated to empowering students with the skills needed to thrive in today's ever-evolving job market. We believe that staying ahead requires continuous skill development to meet industry demands.

At innoKNOWVEX, we bridge the gap between current capabilities and the expertise sought by leading organizations. Our platform offers industry-specific training in a professional setting, equipping students with the knowledge and practical skills essential for securing employment in their chosen fields.



About the Program

InnoKnowvex Edu Tech's 3-month program includes two months of industrial training with experts through live sessions & recorded materials.

The final month involves an individual project and a major project with affiliated companies, offering industry exposure and MNC work experience. This program prepares interns for successful careers in the field.

Modes of Training

★ SELF PACED

- Recorded Sessions with doubt-clearing opportunities
- Lifetime access to study material
- Training Certification+Internship Opportunity

★ MENTOR LED

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity

★ PROFESSIONAL

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity+placement assistance



FIRST TWO MONTHS

- Comprehensive industrial training from experts
- Live interactive sessions
- Lifetime access to session recordings
- Hands-on practice
- Mini-projects and exercises
- Real time engagement
- Immediate feedback
- Supportive learning environment
- Mentorship and peer collaboration
- Solid foundation
- Real-world projects in the internship phase

THIRD MONTH

Two key projects:-

1. Minor project focused on implementing and evaluating their skills independently.
2. Major collaborative project, providing industry exposure and experience in a multinational corporation environment.

***Interns work on real-world challenges under the guidance of experienced professionals, gaining valuable insights into industry practices while refining their technical skills. This hands-on experience prepares them for successful careers, giving them a competitive edge in the job market.**



Explore the **CAREER PATHS**

**EV Design
Engineer**

**Battery &
Energy Storage
Engineer**

**Power
Electronics &
Motor Control
Engineer**

**EV Charging
Infrastructure
Engineer**

**Autonomous &
AI Vehicle
Engineer**

**Thermal
Management
Engineer**

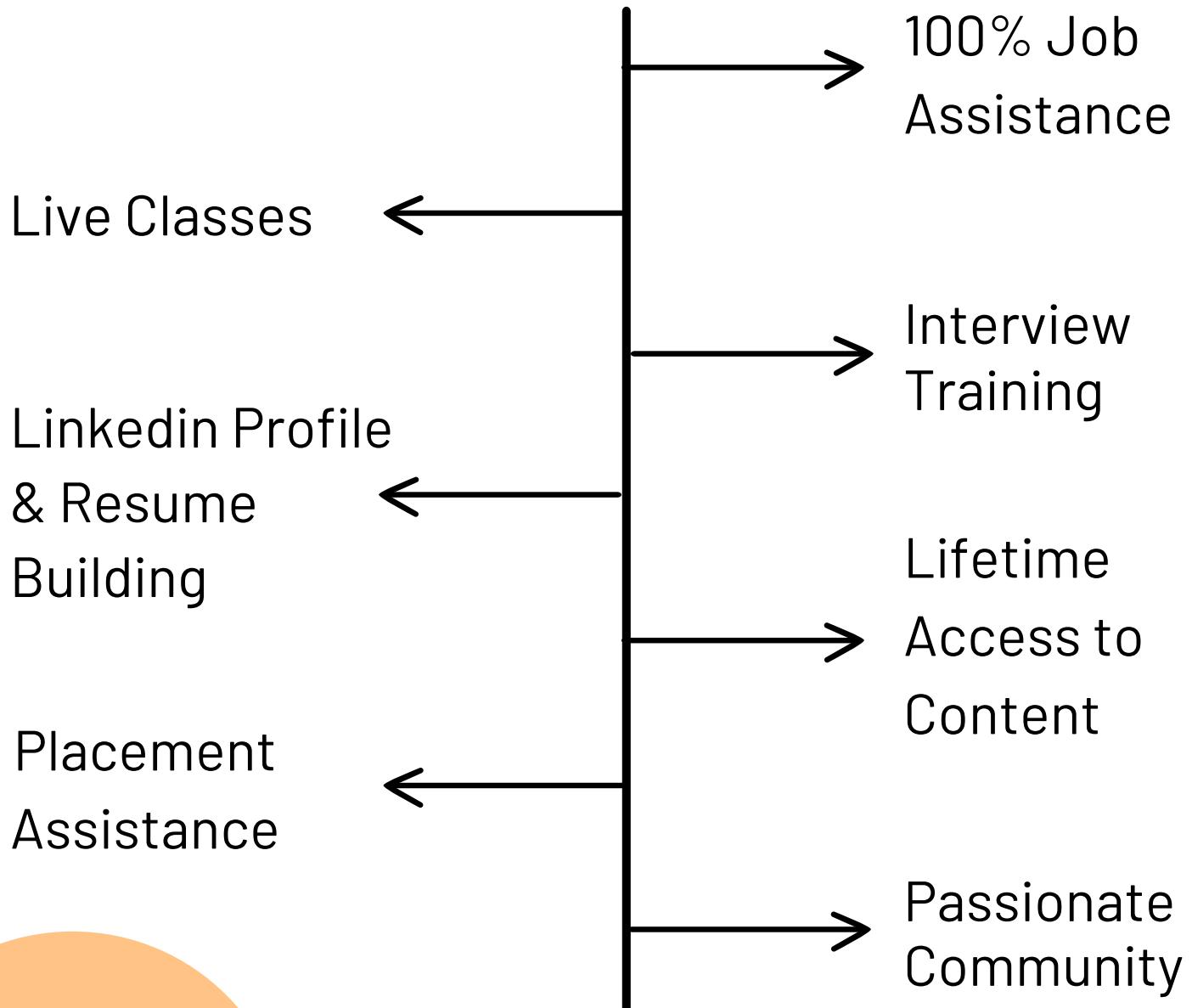
**EV Software
& Embedded
Systems
Engineer**

**EV Safety &
Regulations
Expert**

**Renewable
Energy &
Sustainability
Expert**

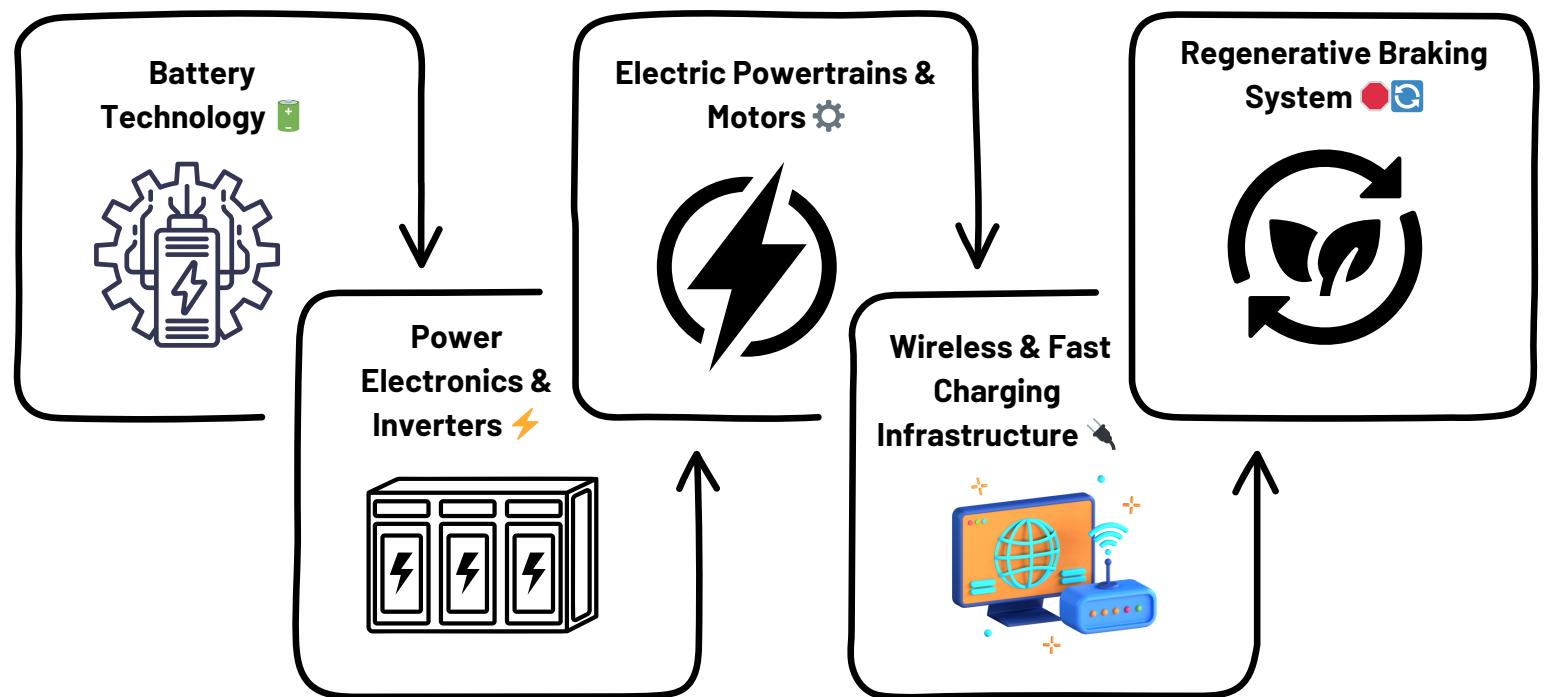


WHY US?



TOOLS

You will learn





KEY HIGHLIGHTS OF PROGRAM

Introduction

Fundamentals of EV & Hybrid Technology

Battery Management & Energy Storage

EV Powertrain & Motor Design

Electric Vehicle Charging Systems

Power Electronics & Control Systems

Autonomous & AI Integration in EVs

Thermal Management & Safety Systems

Sustainable Materials & Lightweight Design

Industry Projects & Hands-on Training

Course Curriculum



Week 1- INTRODUCTION TO ELECTRIC VEHICLE

01

- Historical Aspect Of Electric Vehicle
- Basics Of Electric Vehicle
- Indian Perspective For Electric Vehicle



Week 2- DRIVE TRAIN OF HYBRID VEHICLE

02

- Series Hybrid Drive Train
- Parallel Hybrid Drive Train
- Combined Hybrid Drive Train
- Three Advantages And Disadvantages





Week 3 - BATTERIES OF ELECTRIC VEHICLE

03

- Battery Characteristics**
- Types Of Batteries**



Week 4 - CHARGING INFRASTRUCTURE

04

- Types Of Charging Station**
- Renewable Energy Concept For EV**
- FAME India Scheme**



★ RESUME BUILDING WORKSHOP



Week 5 - MOTORS FOR ELECTRIC VEHICLE

05

- Types Of Motors**
- Selection Of Electric Motor**



★ SOFT SKILL DEVELOPMENT WORKSHOP



Week 6- REGENERATIVE BRAKING FOR EV

06

- Battery Characteristics**
- Types Of Batteries**



Week 7 - INTRODUCTION TO BMS

07

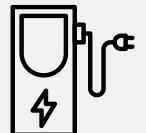
- Concept Of Battery Management System**
- Monitoring and Control Using BMS**
- Battery Monitoring**
- Battery Protection and Safety**



Week 8 - BATTERY TOPOLOGY

08

- Concept Of Topologies And Their Use In The Drive Train**
- Types Of Battery Topologies**



★ HOW TO CRACK TECH INTERVIEWS



Week 9 - BASIC OF DESIGN OF ELECTRIC VEHICLE

09

- Concept Of Design
- Problem Based On Design
- Powertrain Design
- Battery Sizing and Selection



Week 10 -CHASSIS FOR EV

10

- Concept Of Chassis Of Vehicle
- Various Types Of Chassis Frame
- Suspension System Design



Week 11 - VEHICLE CONTROL UNIT FOR EV

11

- Understanding Of Power Flow In EV Drive Train
- Fuzzy Logic
- Various Types Of Control System





CERTIFICATIONS





Pricing

PLAN

Live Sessions>

Get real-time Assistance

₹2,500

Self Paced>

Learn at your own pace

₹2,500



OUR COLLABORATIONS

Capgemini

IBM

wipro

accenture

meesho

SWIGGY

Razorpay

PhonePe

boAt



COMPANY DETAILS

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