



BATTERY ELECTRIC VEHICLES

About Us

InternsForge is the bridge that takes you from books to the on-field application of any and everything you want to learn. You should be trained to apply all your learnings in the real world right from the start. This not only makes your learning process a lot more fun but sets you apart from the dense competition through your exceptional skills from our holistic learning approach.



“We're not here to just teach;
we're here to transform”

30,000+ Students Turned Industry-Ready Professionals

4.5+ Star rating on Google from 325+ Happy customers

Have our presence in over 4000+ colleges including top IITs, IIMs, NITs, IIITs etc

Students from InternsForge are working in Top MNCs like IBM, Accenture, Innodata, Cognizant etc



BATTERY ELECTRIC VEHICLES



What is BEVs

Battery Electric Vehicle (BEV) – the car that looked at the fuel pump, waved goodbye, and said, “I’m all charged up and ready to roll!” Imagine a vehicle that doesn’t just flirt with electricity like a hybrid – it’s fully committed. No gas. No tailpipe. Just pure, unadulterated electrons coursing through its veins.

A BEV is like that friend who went vegan and started composting – seriously eco-conscious, unapologetically futuristic, and always ready to remind you how quiet their ride is. It doesn’t stop to fuel up, it finds the nearest charger and powers through life, one volt at a time.

Scope of BEVs

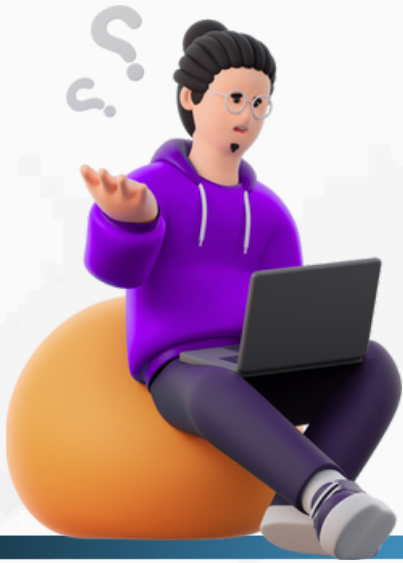
Congrats!! 🎉
You just made a great
choice



Did You Know ??

According to data from leading market research firms such as BloombergNEF and Allied Market Research, the global Battery Electric Vehicle (BEV) market is experiencing robust growth, with a projected compound **annual growth rate (CAGR) ranging from 20% to 25% over the forecast period**. Major automotive players like Tesla, BYD, Nissan, Hyundai, and Volkswagen are heavily investing in BEV technology, expanding their all-electric lineups to meet increasing consumer demand. Industry reports indicate that BEVs are gaining a significant share in the global EV market, driven by advancements in battery technology, supportive government policies, and a growing emphasis on zero-emission transportation.

Are We Really Different ??



‘This is NOT a Course, This is a Commitment’

The internet is full of online courses- free as well as paid, college students have access to top professors and high quality study materials.

Still our unemployment ratio continues to grow.

At the same time, the stress and worry faced by today's college students reach the sky!



“ Now it's time to leave all your worries up to us and experience a transformed way to learning ”



4 Gaps That We Fill for You

1 Learn From Your Idols

- **Learn from Your Idols Currently Working At Your Dream Jobs**

You are already getting trained by top quality college professors, now time to cover the gap between theory and actual industry work. Get trained by professionals working at your dream jobs, get inspired, get guided, and get ready to reach your dreams.

- **Interactive-Live Classes**

90% of the students never finish the online courses they enroll in. Get ready of an entirely different experience, where you learn while interacting with your mentors in a motivational environment where you can't wait for the next session. Get Inspired! Get Going!



2 Certifications

- **Course Completion Certificate & Project completion certificate in collaboration with E-Cell IIT Indore**

At the end of course you will get some time to submit your project report. After submission of your project report you will get a course completion certificate and project completion certificate in collaboration with E-Cell IIT Indore.

- **Internship certificate from our partnered companies :**

We have some of our partnered Companies like Datex, Corevo, Smart swift Innovation etc which operates in different type of technologies. You will get a chance to work on some live-projects from these companies and after the completion of project and submission of project report; you will be awarded with an internship certificate from these companies.



3 Experience Working on Live Industry Level Projects

- **4 Live Industry Level Projects**

There is a humongous difference between learning from your classroom, books, notes vs. having industry experience where you know the current industry demands and are an expert at fulfilling those demands.

At InternsForge we make sure that your learning runs parallel to the applications of your learning, i.e right from the start till the end you are consistently applying everything you are learning in form of 4 main projects that are going on in the current industry



- **Projects Assigned and Guided by Industrial Mentors**

Since the purpose of this program is to get you industry ready. You will be assigned projects through your mentors who are working in the industry. You get to work on the projects that are highest in demand as per the industry requirements of the time you are taking the course.

You get consistent guidance from your mentors with additional doubt clearing sessions as per your demand for the smooth running of your projects.



ROADMAP

Introduction Webinar

Between 20 to 25th of the month, you will have your introduction webinar where you will get expert insights on the scope of the subject and your growth graph with the selected career.

Orientation Session

Within the first week of initial payment you will have your first orientation session where you will get an in-depth introduction to our process.

2 Months of Intensive Training

Then we will start your 25+ hrs of intensive training. Where we make sure you are industry-ready.

During 2 Months of Intensive Training

During your training the following will be covered:

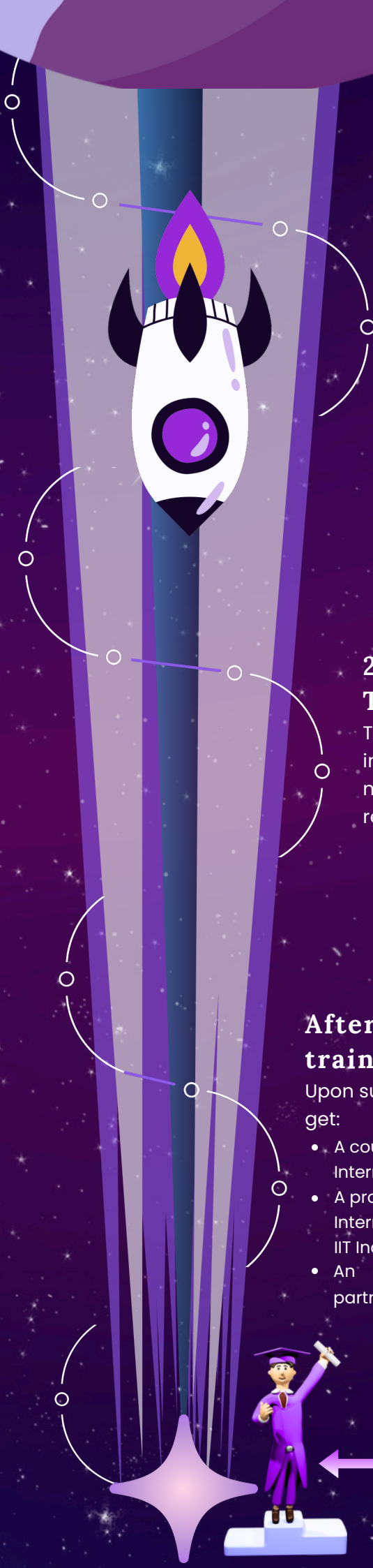
- 25+ hrs of interactive-live sessions with industry experts
- 2 Industry Level Projects

After Completion of training:

Upon submission of project report You will get:

- A course completion certificate from InternsForge
- A project completion certificate from InternsForge in collaboration with E-cell of IIT Indore
- An internship certificate from our partnered companies

“The best version of you
all set to conquer your
Dreams”



Curriculum

MODULE 1

Fundamentals of EV

- ***Introduction to EV Domain***
- ***Evolution of EV***
- ***Types of EV***
- ***Architecture of EV***
- ***Sensors Used in EV***



MODULE 2

Dynamics of EV

- ***Introduction to Matlab***
- ***Tyre Construction***
- ***Calculations of Traction Forces***
- ***Matlab Designs of Motor sizing & Battery sizing***

MATLAB Designs of Forces on the Vehicles



MODULE 3

Battery Technology(Li-Ion)

- ***Introduction to Battery Technology***
- ***Physics and Chemistry of Battery***
- ***Types of batteries***
- ***Criteria for Battery Selection***
- ***Battery Management System***

MATLAB Designs of Battery Pack



Curriculum

MODULE 4

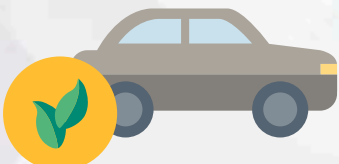
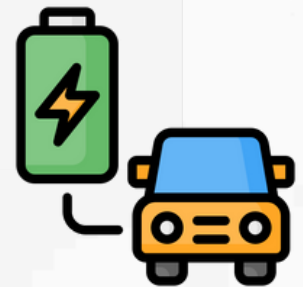
Power Train Design

- ***Introduction to Power Train of EV***
- ***On Boarding Charger (DC-AC Converter)***
- ***Construction of Power Electronics Segment***
- ***Design and Development of the 3-Phase Inverter***
- ***Motor Construction & Working***



Minor Project Discussion

Major Project Discussion



THANK YOU



For More Details :

 **+91- 8660501030**

 **support@Internsforge.com**

 **www.Internsforge.com**