



## **E – Oxigen Automotive PVT LTD**

Website : [www.eOxygen.com](http://www.eOxygen.com)  
WIP

India's first Micro Service and Distribution firm providing Multi Brand **Electrical Vehicle** Servicing and Sales with online support On PAN India Basis



## **DIYguru Education and Research PVT LTD**

Website : [www.diyguru.org](http://www.diyguru.org)

India's first Online Training Company in the field of Electrical Vehicles and INDUSTRY 4.0 relevant topics



# Introduction

Introduction: Hi, I'm Sujoy Chourasia, Owner of eOxygen Automotive Pvt. Ltd. a start up in the field of Onsite EV servicing for Fleet owners of E comm Logistics as well as a Training company for EV servicing related eco system.

I have 22 years of experience since 1994, I am an MBA and a computer Science graduate.

I have been in business since 2010, prior to which I was a corporate employee and have served in Satyam Info way, Reliance Info comm, Tata Teleservices, Big Bazaar, Pantaloon Retail, Reliance Retail in various capacities.



# Scope of our Presentation

We will be covering the following sections in our Presentation

- Electric Vehicles
- Basic Science of Electric Vehicle
- Types of Electric Vehicles
- Current usage of Electric Vehicles
- Commercial usage
- Two Wheelers and Three Wheelers being used in Electrical for logistics
- Three Wheeler Category in India L3 and L5
- Details about L5 e-loaders, and what we can expect from the Industrial training to be held on 25<sup>th</sup> February to 2<sup>nd</sup> March
- Who should participate, and Benefits of Such courses

# Electrical Vehicles

Electrical Vehicles are a 100 year old Technology  
First Crude Electric Vehicle Is Developed around 1832, Robert Anderson develops the first crude electric vehicle, but it isn't until the **1870s** or later that electric cars become practical. Pictured here is an electric vehicle built by an English inventor in 1884.





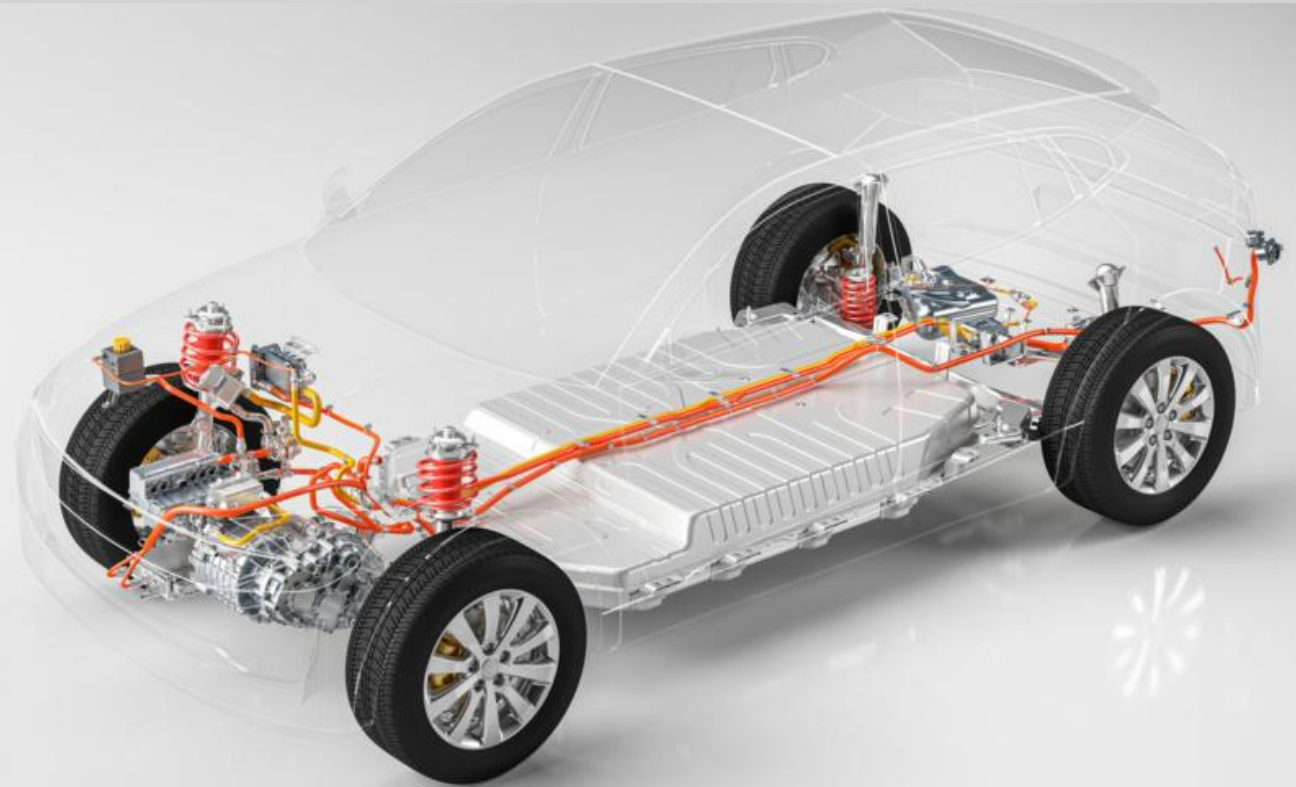
# Electrical Vehicles were available as early as 1908

- Electric cars were quiet, easy to drive and didn't emit a smelly pollutant like the other cars of the time. Electric cars quickly became popular with urban residents in 1908-- especially women.
- They were perfect for short trips around the city, and poor road conditions outside cities meant few cars of any type could venture farther. As more people gained access to electricity in the 1910s, it became easier to charge electric cars, adding to their popularity with all walks of life .
- Yet, it was Henry Ford's mass-produced Model T that dealt a blow to the electric car. Introduced in 1908, the Model T made gasoline-powered cars widely available and affordable. By 1912, the gasoline car cost only \$650, while an electric roadster sold for \$1,750.
- Pricing was a major concern that lead to its down fall

# Basics of a Electrical Vehicle

An Electrical Vehicle primarily consist of the Following

- Body or Structure of the Vehicle
- Its Powering Motor
- Battery
- Electrical Wires &
- Controller
- Accessories breaks lights etc...





# Which Vehicle do we do our practical's on



- We will be explaining and trying our hands on proper Indian Homologated L5 Heavy duty E loader which has been ruthlessly used by E comm Logistics Providers.
- Used in Amazon, Flipkart, Udaan, Myntra, Lenskart etc..



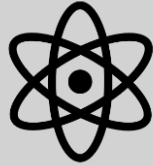
# What Does the course offer in 5 days + 1 day live trial

- **Day 1:** Introductions along with the introduction to L5 Commercial Vehicles. The second half, Physical inspection of the vehicle along with its parts.
- **Day 2:** A complete introduction to wire harness electrical and connectivity of the power train.
- **Day 3:** Complete mechanical parts of a heavy L5 EV, along with movable parts possible wear and tear points.
- **Day 4:** Battery configuration of the vehicle (60 Volt and 72 volts) batteries both legacy as well as LFP battery. How to check the health of the battery procedures to find anomalies, risk of leaking electricity, points of leakages etc.
- **Day 5:** Actual welding denting and painting of components or parts of the vehicle (post wear and tear) (the first half is a demo). The second half is an examination for hands-on of such skill (basic knowledge will be imparted) students can convey if he/she wants to participate in this exercise. Those passing this exercise will be given exposure to actual Internship.
- **Day 6:** Internship Examination, Practical's actual Hands-on of a L5 vehicle





# USP of the Industrial Training



HANDS-ON  
In a Live Garage environment  
, On a Shop Floor,  
3 Hours Theory daily,  
5 hours practical



No Frills  
Live Practical's , Actual  
Vehicles, Experience with  
actual user of Electrical  
Vehicles



Business Idea-  
The Practical side of  
Training Gives not only  
actual exposure, but you  
can plan the Do's and  
dents of your Business /  
Professional Carrier



Networking -  
The Batch is limited to 25  
Candidates, who come  
from similar field Including  
Corporate hence more  
knowledge of Industry .



Multi Corporate Digital  
Certificate which carries weight, a  
Joint Certificate of participation by  
DIYguru, eOxigen, MASS  
Foundation and Green Valley  
Energy



# Who Should participate

- Young Professionals (interested in EV field)
- Diploma Holders and Engineers
- Start ups or wanna-be start-ups
- Corporate in EV (e-rickshaw manufacturing field)
- Battery specialist in LFP and NMC battery development and manufacturing ,  
Or interested to know about Testing and Repairs
- Businessmen interested to start or enter the EV business in an easy manner





# The Offer

The Course Fee for 6 days is INR **10,000/- Plus GST : TOTAL = 11800/-**

**Till 10<sup>th</sup> February we were offering a Discount of 50% (And we have booked upwards of 50% of our capacity)** We Offer a Very Special Discount only for the Day:

**The offer is a fabulous 45% Discount ONLY for the Day.**

We Will share the Links right now for the Booking.

Discount decreases daily by INR 500/- Till we reach Course price, the more you delay the more you pay



# What Do you Get in six days

- What you Get in Six Days:
- Complete Details of a Build of an L5 Electrical Vehicle
- Not Only Theory but 100% practical Training, Our Industrial training is 3 hours Theory and 5 hours practical's (Daily)
- Digital Access to our entire library (On WhatsApp)
- (Physical prints are available on payment of actual Printing cost)
- This is On floor No Frills Training (kindly bring Tiffin or local arrangement for Lunch and Tea will be made on demand),
- For Outstation Students a Six day sharing accommodation facility is available for INR 500/- per day (plus Taxes) inclusive of Breakfast Or Dinner, Within 4 to 5 km of Training Area.

# Electric Vehicle Nanodegree Program

Fundamental + Intermediate + Advanced



Fundamentals of  
Electric Vehicle  
Vehicle Dynamics

Software Tools  
• MATLAB

Software Tools  
• MATLAB  
• SciLab  
• MS Excel

Software Tools  
• MATLAB  
• Solidworks  
• CATIA  
• SimScale



# THANK YOU

Question and Answers .....