



Shri Yashwantrao Bhonsale Education Society's
**YASHWANTRAO BHONSALE INSTITUTE OF
TECHNOLOGY**

(DTE CODE: 3470) (MSBTE CODE: 1742)

Approved by AICTE, DTE & Affiliated to Mumbai University & MSBTE Mumbai
(NBA Accredited ME, CE, EE Diploma Programs)

Report Of Industrial Visit to EV manufacturing facility ELAY GO

On the 15th October 2024, Yashwantrao Bhonsale Institute of Technology (Degree Section) organized an Industrial visit to EV manufacturing facility "ELAY GO" at Majgaon industrial estate, Sawantwadi for all the second-year mechanical engineering degree students.

Objective:

1. To generate awareness about future scope in Electric vehicle technology.
2. To develop a deeper understanding of role of mechanical engineers in design & development of Electric vehicles.

Summary:

Students of Mechanical Engineering degree at YBIT visited an electric vehicle manufacturing facility "Elay Go" situated at Majgaon industrial estate, Sawantwadi. Upon arriving students and the accompanying faculty Prof Hemant Dongare & Prof Varun Mahabal were welcomed by the proprietor Mr. Rewan Gawas. He gave a brief history of the firm, explaining their journey from its inception days operating in a rented shed to the upcoming dedicated manufacturing facility at kalambist.

He further explained the various components, mechanical as well as electrical that go into an ev vehicle. Various style of chassis, battery management systems, different types of hub motors, battery packs etc were explained in detail to the students. Battery pack construction was explained with hands on experience in spot welding nickel plate connectors to battery terminals.

Students engaged in a Q&A session with the owner & had their doubts answered. Battery life, cost of owning & running EV versus an IC engine driven vehicle, manufacturing methodologies, design & development of components, vendor management etc were some of the few topics that were discussed. The proprietor offered their latest development electric bike "shekru" for test drive to students and faculty. & collected their feedback on the same.

Prof. Hemant P. Dongare arranged for the visit & accompanied the students along with Prof. Varun A. Mahabal to the unit. Prof. Hemant P. Dongare expressed sincere best wishes to the owner for their future endeavours thanking him for the guidance & support he provided to our students.

Outcome:

The proprietor of unit highlighted to students about increasing demand for Electric Vehicles in near future. Role of mechanical engineers in the EV manufacturing space.



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Glimpse Of the Event:



Prof. Hemant Dongare

Event Co-Ordinator

Prof. Swapneel Rawool

HOD-Dept. of Mechanical
Engineering

Dr Raman R Bane

Principal-YBIT