



Industry Visit Report

Amity Institute of Technology

Piston Craft Club

Name of the industry: IPL Tech Pvt. Ltd.

Address: 9VHG+4J Manesar, Haryana

Date, Day, and Time of the visit: 1 September, 2023, Friday, 9:00 am – 4:30 pm

Mode of the transport used (Amity Bus or Car / Own): Own car

No. of students visited: 10

No. of Faculty members visited: 2

Faculty Coordinator: Dr Gaurav Ninawe, Dr. Eswara Mussada Krishna

Student Coordinators: Sukrit Kumar

General Introduction (50-80 words): IPLTech Electric is an Indian company that designs and manufactures India's first 55-ton payload capacity EV Truck. Their mission is to provide electric trucks for the commercial transportation industry and make India's freight more environmentally friendly.

Objective(s) of the Visit: The objective of the visit to the IPL Tech Electric, Manesar Plant was to gain industry-level knowledge about the Manufacturing and assembly of the industrial heavy payload capacity vehicles and learn from industry experts working in the plant from the lower to upper level in the pyramid of the firm.

Brief report of the visit:

Situated in Manesar, the plant is set up by neighbouring big brands like Maruti Suzuki. The design objective of the trucks was to build an EV truck with an already designed great design philosophy of the IC engine trucks and incorporate design changes for the specifications, performance, and stability of the vehicle. During the visit of the plant, the assembly line was not stopped, and many insights were also seen in the process ranging from assembly components to the welding of the battery structures. The firm has strong opportunities and plans for its future scope in the segment expanding day by day.

Key takeaways:

- They are India's first 55-ton Capacity EV Company
- The company has a strong commitment to its better future and its upcoming products
- The plant is well-organized and clean, and the employees are highly skilled.
- IPL Tech Electric is a company with a bright future.

FACULTY MEMBERS

Sl. No.	Name
1.	DR GAURAV NINAWE
2.	DR. ESWARA MUSSADA KRISHNA

STUDENTS LIST

Sl. No.	Student Name
1.	SUKRIT KUMAR
2.	SHANTANU RUSIA
3.	SANJIT MATHUR
4.	NOEL ABRAHAM CHERIYAN
5.	ABHAY KUMAR KAUSHIK
6.	HARDIK SEHGAL
7.	NAVYA RATHI
8.	SANJAY SINGH
9.	RAJAT CHOUDHARY
10.	PRIYANSH MATHUR

Pictures of the Visit:



- 1. Students learn about industry standards and regulations specific to electric vehicles, gaining insights into safety measures, environmental considerations, and quality control practices.**
- 2. They get exposure to cutting-edge technologies used in electric truck manufacturing, such as battery technology, electric drivetrains, autonomous systems, and connectivity features.**
- 3. Through interactions with industry professionals, students gain insights into various career paths within the electric vehicle sector, such as engineering, manufacturing, marketing, and research.**
- 4. Overall a valuable educational experience that broadens students' perspectives, enhances their skills and inspires them to become future leaders in the field of sustainable transportation.**